

Old McHenry Road
Section No. 11-00083-09-RS
Village of Long Grove
Phase I Study
Lake County

PRELIMINARY ESTIMATE OF COST
Roadway Reconstruction/Traffic Signal Installation/Streetscaping
October 2014

<u>ITEMS</u>	<u>UNIT PRICE</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>COUNTY TOTAL</u>	<u>VILLAGE TOTAL</u>	<u>ITEM TOTAL</u>
1 Removal						
1a Pavement Removal - Full Depth	\$20	SQ YD	7,040	\$ 141,000	\$ -	\$ 141,000
1b Pavement Removal - Milling	\$5	SQ YD	0	\$ -	\$ -	\$ -
1c Shoulder Removal	\$20	SQ YD	2,830	\$ 57,000	\$ -	\$ 57,000
1d Curb and Gutter Removal	\$20	FOOT	370	\$ 8,000	\$ -	\$ 8,000
1e Sidewalk Removal	\$5	SQ FT	9,870	\$ 50,000	\$ -	\$ 50,000
1f Driveway Removal	\$30	SQ YD	2,060	\$ 62,000	\$ -	\$ 62,000
1g Tree Removal (6"-15")	\$40	INCH	120	\$ 5,000	\$ -	\$ 5,000
1h Tree Removal (>15")	\$50	INCH	40	\$ 2,000	\$ -	\$ 2,000
1i Storm Sewer Removal	\$20	FOOT	1,080	\$ 22,000	\$ -	\$ 22,000
1j Culvert Removal	\$30	FOOT	240	\$ 8,000	\$ -	\$ 8,000
2 Earthwork						
2a Earth Excavation	\$35	CU YD	2,000	\$ 70,000	\$ -	\$ 70,000
2c Furnished Excavation	\$40	CU YD	1,900	\$ 76,000	\$ -	\$ 76,000
2b Removal and Disposal of Unsuitable Materials	\$40	CU YD	1,259	\$ 51,000	\$ -	\$ 51,000
2d Undercut and Aggregate Subgrade Improvement	\$80	CU YD	0	\$ -	\$ -	\$ -
3 Landscaping						
3a Seeding/Sodding and Restoration	\$15	SQ YD	6,890	\$ 104,000	\$ -	\$ 104,000
3b Trees	\$800	EACH	15	\$ 12,000	\$ -	\$ 12,000
4 Drainage						
4a Culverts including End Sections and TBF	\$100	FOOT	70	\$ 7,000	\$ -	\$ 7,000
4b Storm Sewers, Structures, and TBF	\$150	FOOT	2,600	\$ 390,000	\$ -	\$ 390,000
4c Underdrains	\$20	FOOT	4,576	\$ 92,000	\$ -	\$ 92,000
4d Water Quality Treatment Structure	\$35,000	EACH	1	\$ 35,000	\$ -	\$ 35,000
5 Erosion Control	10	%	Drainage & Landscaping	\$ 64,000	\$ -	\$ 64,000
6 Pavement						
6a Pavement including Aggregate Subgrade Improvement	\$90	SQ YD	8,210	\$ 739,000	\$ -	\$ 739,000
6b Aggregate Shoulder	\$25	SQ YD	220	\$ 6,000	\$ -	\$ 6,000
6c Bituminous Shoulder	\$35	SQ YD	60	\$ 3,000	\$ -	\$ 3,000
6d Mail Box Turn Out	\$180	SQ YD	20	\$ 4,000	\$ -	\$ 4,000
6e Pavement - Widening	\$80	SQ YD	0	\$ -	\$ -	\$ -
6f Pavement - Resurfacing	\$25	SQ YD	0	\$ -	\$ -	\$ -
6g Driveways/Parking Lots including Temporary Access	\$70	SQ YD	1,140	\$ 80,000	\$ -	\$ 80,000
6h Curb and Gutter	\$25	FOOT	4,420	\$ 111,000	\$ -	\$ 111,000
6i Pavement Patching	\$20	SQ YD	260	\$ 6,000	\$ -	\$ 6,000
7 Pavement Marking	\$2	FOOT	10,100	\$ 21,000	\$ -	\$ 21,000
8 Signing including Removal and Relocation	\$25,000	L SUM	1	\$ 25,000	\$ -	\$ 25,000
9 Traffic Control						
9a Traffic Control including Detour Signing	5	%	of Roadway Construction	\$ 240,000	\$ -	\$ 240,000
9b Temporary Pavement Marking including Removal	\$3	FOOT	0	\$ -	\$ -	\$ -
10 Traffic Signals						
10a Traffic Signal - Robert Parker Coffin Road	\$225,000	EACH	1	\$ 225,000	\$ -	\$ 225,000
10b Emergency Vehicle Pre-emption	\$6,000	EACH	1	\$ 6,000	\$ -	\$ 6,000
10c Combination Lighting	\$25,000	L SUM	1	\$ 25,000	\$ -	\$ 25,000
10d Interconnect	\$25,000	L SUM	1	\$ 35,000	\$ -	\$ 35,000
11 Miscellaneous						
11a Mobilization	6	%	of Roadway Construction	\$ 288,000	\$ -	\$ 288,000
11b Construction Layout	2	%	of Roadway Construction	\$ 96,000	\$ -	\$ 96,000
11c Field Office	3,000	MONTH	9	\$ 27,000	\$ -	\$ 27,000
12 Incidentals						
12a PCC Sidewalk	\$10	SQ FT	3,540	\$ 29,000	\$ 7,000	\$ 36,000
12b Multi-Use Path	\$30	SQ YD	910	\$ 23,000	\$ 5,000	\$ 28,000
12c Streetscaping						
Downtown Lighting	\$475	FOOT	2,000	\$ -	\$ 950,000	\$ 950,000
Brick Paver - Sidewalk	\$20	SQ FT	23,170	\$ 186,000	\$ 278,000	\$ 464,000
Brick Paver - Non-Sidewalk	\$20	SQ FT	9,140	\$ -	\$ 183,000	\$ 183,000
Trash Receptacles/Recycling Bins	\$1,500	EACH	6	\$ -	\$ 9,000	\$ 9,000
Wayfinding Signs	\$6,500	EACH	4	\$ -	\$ 26,000	\$ 26,000
Planter Box	\$150	SFT	1,440	\$ -	\$ 216,000	\$ 216,000
Bench	\$1,800	EACH	7	\$ -	\$ 13,000	\$ 13,000
13 Structures						
13a Cast-In-Place Retaining Wall	\$120	SQ FT	2,364	\$ 228,000	\$ 56,000	\$ 284,000
13b Modular Block Retaining Wall	\$100	SQ FT	0	\$ -	\$ -	\$ -
14 Utility Adjustments	\$12,000	L SUM	1	\$ -	\$ 12,000	\$ 12,000
15 Contingency	20	%	of Roadway Construction	\$ 570,000	\$ 388,000	\$ 958,000
TOTAL CONSTRUCTION COST (rounded to \$100,000)				\$ 4,200,000	\$ 2,200,000	\$ 6,400,000
TOTAL CONSTRUCTION COST IN 2017 (assuming 3% annual inflation)				\$ 4,800,000	\$ 2,500,000	\$ 7,300,000

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<i>Other Items</i>						
16 Engineering						
16a Phase I Engineering	\$589,862	L SUM	1	\$ 590,000	\$ -	\$ 590,000
16b Phase II Engineering	\$797,639	L SUM	1	\$ 718,000	\$ 80,000	\$ 798,000
16c Phase III Engineering	10	%	of Construction	\$ 657,000	\$ 73,000	\$ 730,000
17 Right-of-Way						
17a Right-of-Way	\$10	SF	246	\$ 3,000	\$ -	\$ 3,000
17b Temporary Easements	\$2	SF	17,099	\$ 35,000	\$ -	\$ 35,000
TOTAL OTHER COSTS (rounded to \$100,000)				\$ 2,000,000	\$ 200,000	\$ 2,200,000
TOTAL PROJECT COST (rounded to \$100,000)				\$ 6,800,000	\$ 2,700,000	\$ 9,500,000

Notes: The unit prices are in 2014 construction dollars
Undercut and replacement quantities are unknown at this time since geotechnical studies have not been finished.
The estimate does not include any costs associated with utility improvements such as water main installation, sanitary sewer replacement, and burial of electric lines. The village would be responsible for 100% of these costs along with the engineering cost related to these items.
Unit prices for land acquisition are not based on property appraisals and are subject to change.