

Item #11A:
Village Trustee Jacob
DRAFT 2017-18 Road Maintenance/Paving Program

MEMORANDUM

To: David Lothspeich, Village Manager
Village of Long Grove

Fr: Geoffrey Perry, P.E., Assistant Village Engineer
Michael T. Shrake, P.E., Village Engineer

Date: November 7, 2016

Re: 2017 Road Maintenance Program
Proposed Road List and Preliminary Cost Estimate
Village of Long Grove

In preparation for the Village's 2017 Road Program, we have reviewed the Village's Pavement Condition Study (PCS) and the 5-Year Capital Improvement Plan (CIP) to prepare a preliminary Road List. We understand the Village's construction budget for the 2017 Road Program will be around \$1.15M. Based on the Village's budget, we propose the following options for roads to be resurfaced and maintained as part of the 2017 Road Maintenance Program:

ROADWAY	FROM	TO	PCS		LENGTH, FT.	WIDTH, FT.	Area, S.Y.	Cost
			PCI	Year				
Grant Place	Schaeffer Road	Terminus	12	20-21	625	20	1,389	\$41,667
Grant Court	Grant Place	Terminus	13	20-21	408	20	907	\$27,200
Rolling Glen Drive	Crestview Drive	Terminus	3	19-20	816	14	1,269	\$38,080
Crestview Drive	Cuba Road	Terminus	19	19-20	1,609	21	3,754	\$112,630
Schaeffer Road	Checker Road	Richmond Lane	3	23-24	1,303	22	3,185	\$95,553
Federal Court	Lexington Drive	Terminus	5	20-21	515	21	1,202	\$36,050
Coach Road	Lexington Road (N)	Old Hicks Road	12	20-21	665	23	1,699	\$50,983
Lexington Drive	Coach Road	Lincoln Avenue	16	20-21	2,681	24	7,149	\$214,480
Coach Road	Lexington Road (S)	Old Hicks Road	23	20-21	1,107	23	2,829	\$84,870
Meadow Lane Road	Illinois Route 83	Osage Lane	7	22-23	408	27	1,224	\$36,720
Willow Springs	Osage Lane	Terminus	8	22-23	1,340	21	3,127	\$93,800
Meadow Lane Road	Willow Spring Road	Osage Lane	10	22-23	1,449	21	3,381	\$101,430
Willow Springs Rd.	Village Limits	Osage Lane	16	22-23	480	22	1,173	\$35,190
Osage Road	Willow Spring Road	Meadow Lane	40	22-23	1,823	21	4,254	\$127,620
OMR Path Paving	Fire Station	Harborchase			1,000	5	550	\$16,000
Sub-Total:								\$1,112,260
7% Contingency:								\$77,858
Total 2017 Road Maintenance Program Construction Costs								\$1,190,118

Project Funding Sources:	
Village MFT Funds:	\$200,000
Village General Funds:	\$950,000
Total Budget:	\$1,150,000
Under / (Over) Budget: (\$40,118)	
Soft Costs:	
Pavement Borings:	\$10,000
Design Engineering (3.75%):	\$44,629
Construction Engineering (4.25%):	\$50,580
Total Soft Costs:	\$105,209
Total Project Costs:	\$1,295,328

* Based on the expanded road program completed in 2016, our recommendations for this year's road program differ slightly from the Pavement Condition Study.

The conceptual costs reported include hot-mix asphalt surface milling (4-1/4") and full depth pulverization (10"), with placement of a new 2-1/4" asphalt binder course and 2" asphalt surface course and shoulder restoration. We recommend that pavement borings be taken on the above street segments to determine the depth of pulverization and review subsurface conditions.

The costs above can include minor drainage replacements and improvements. We will need to complete a field evaluation within the project limits to determine if more extensive drainage improvements are required, which would affect the costs reported above.

Upon your authorization, we will complete the field work and prepare the Engineer's Opinion of Probable Cost and Project Specification Book for this year's road program. Please confirm the amount of MFT funds the Village would like to utilize for this year's road program.