

Item #9:

**Res. Approving 2016 Road Paving Program
& Authorizing Use Of MFT Funds**



**Illinois Department
of Transportation**

**Resolution for Improvement by
Municipality Under the Illinois
Highway Code**

BE IT RESOLVED, by the President and Board of Trustees of the
Council or President and Board of Trustees
 Village _____ of Long Grove Illinois
City, Town or Village

that the following described street(s) be improved under the Illinois Highway Code:

Name of Thoroughfare	Route	From	To
Hilltop Road		Illinois Route 83	Terminus
Golf Road		Hilltop Road	Sunshine Lane
Sunshine Lane		Golf Road	Terminus
Holly Court		Schaeffer Road East	Terminus
Country Club Drive		Tanager Way	Checker Road
Holly Court		Schaeffer Road West	Tanager Way
Tanager Way		Holly Court	Country Club Drive
Brittany Court		Brittany Lane	Terminus
Picardy Court		Picardy Lane	Terminus
Brittany Lane		Arlington Heights Road	Picardy Court
Picardy Lane		Brittany Court	Picardy Court
Cumberland Circle		Lexington Drive	Lexington Drive

BE IT FURTHER RESOLVED,

1. That the proposed improvement shall consist of Full-Depth pulverization with HMA binder and HMA surface
placement on the above listed roads. Work will also include shoulder restoration, culvert replacements and other
associated improvements. and shall be constructed Varies wide
 and be designated as Section _____

2. That there is hereby appropriated the (additional Yes No) sum of Two Hundred Thousand and 00/100
 Dollars (\$200,000.00) for the
 improvement of said section from the municipality's allotment of Motor Fuel Tax funds.

3. That work shall be done by September 15, 2016 ; and,
Specify Contract or Day Labor

BE IT FURTHER RESOLVED, that the Clerk is hereby directed to transmit two certified copies of this resolution to the
 district office of the Department of Transportation.

<p>Approved _____</p> <p>Date _____</p> <p>Department of Transportation</p> <p>_____</p> <p>Regional Engineer</p>	<p>I, <u>Heidi Locker-Scheer</u> Clerk in and for the <u>Long Grove</u> <small>City, Town or Village</small> <u>Lake</u> County, hereby certify the foregoing to be a true, perfect and complete copy of a resolution adopted by the <u>President and Board of Trustees</u> <small>Council or President and Board of Trustees</small> at a meeting on <u>January 12, 2016</u> <small>Date</small> IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this _____ day of _____ (SEAL) _____ <small>City, Town, or Village Clerk</small></p>
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MEMORANDUM



CONSULTING ENGINEERS

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: Updated January 8, 2016

Re: 2016 Road Maintenance Program
Proposed Road List and Preliminary Cost Estimate
Village of Long Grove

625 Forest Edge Drive, Vernon Hills, IL 60061

TEL 847.478.9700 ■ FAX 847.478.9701

www.gha-engineers.com

In preparation for the Village's 2016 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 have included Cumberland Circle in this recommendation. As the Board is aware, we can reduce roads, but it is difficult to add them in after receiving bids. Although this pushes the estimate over the budget, we are hopeful the costs will come in lower than the preliminary estimate and would be able to include Cumberland. Based on a proposed paving construction budget of \$1 million dollars, we recommend the following be roads be bid:

Road List:

ROADWAY	FROM	TO	PCS		LENGTH, FT.	WIDTH, FT.	Area, S.Y.	Cost (\$32/S.Y.)
			PCI	Year				
Hilltop Road	Illinois Route 83	Terminus	4	2016	2,343	19	4,946	\$148,380
Golf Road	Hilltop Road	Sunshine Lane	10	2016	846	15	1,410	\$42,300
Sunshine Lane	Golf Road	Terminus	11	2016	473	15	788	\$23,640
Holly Court	Schaeffer Rd East	Terminus	0	2018	648	22	1,584	\$47,520
Country Club Drive	Tanager Way	Checker Road	6	2018	1,728	23	4,416	\$132,480
Holly Court	Schaeffer Rd West	Tanager Way	10	2018	764	23	1,952	\$58,560
Tanager Way	Holly Court	Country Club Dr	10	2018	1,094	23	2,796	\$83,880
Brittany Court	Brittany Lane	Terminus	7	2018	795	24	2,120	\$63,600
Picardy Court	Picardy Lane	Terminus	8	2018	1,022	24	2,725	\$81,750
Brittany Lane	Arlington Heights Rd	Picardy Court	2	2018	1,046	24	2,789	\$83,670
Picardy Lane	Brittany Court	Picardy Court	4	2018	936	25	2,600	\$78,000
Cumberland	Lexington	Lexington	6	2020	2,224	22	5,436	\$163,080
							Sub-Total:	\$1,006,860
							5% Contingency:	\$50,343

Total 2016 Road Maintenance Program Construction Costs \$1,057,203

Construction Funding Sources:		
	Village MFT Funds:	\$200,000
	Village General Funds:	\$800,000
	Total Village Construction Budget:	\$1,000,000
	Under / Over Budget:	\$57,203

Soft Costs:		
	Pavement Borings:	\$10,000
	Design Engineering (3.75%):	\$37,757
	Construction Engineering (4.25%):	\$42,792
	Total Soft Costs:	\$90,549

* Based on the expanded road program completed in 2015, our recommendations for this year's road program differ slightly from the Pavement Condition Study.

The preliminary costs 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 insure that there is adequate roadway asphalt and stone to use the pulverization methodology. This option allows for a longer and better pavement life, and the costs are below a patch and overlay approach.

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. We have provided the MFT resolution for \$200,000 for this year's work. If possible we would like the MFT resolution be approved at the first Board meeting in January.