

**Item #5I:**  
**Report On Infrastructure Projects & Reviews:**  
**Proposed Draft Road Paving Program**

December 4, 2014

President & Board of Trustees  
Village of Long Grove  
3110 Old McHenry Road  
Long Grove, Illinois 60047

Re: Year 2015 Road Maintenance Program  
Section Number – To Be Determined  
Authorization to Bid / MFT Resolution  
Village of Long Grove

Dear Ladies and Gentlemen:

We have completed the field quantities and have prepared an engineer's opinion of probable cost for the proposed 2015 Road Maintenance Program. This year's program will consist of full-depth pulverization with Hot-Mix Asphalt binder and Hot-Mix Asphalt surface paving, shoulder restoration and other associated improvements. There are three options for consideration for the Village's 2015 Road Program, as outlined on the following pages.

It is understood that the Village is proposing to partially fund this year's road program with Motor Fuel Tax (MFT) funds and partially with General Funds. As we receive the bids for this year's project we will reevaluate the project and adjust the scope of the maintenance improvements as necessary.

We recommend that the Village Board approve the attached IDOT resolution, for either option, to allocate \$200,000.00 from the Village's MFT fund. We have enclosed the IDOT MFT resolution form BLR 09111 (5 copies) for execution.

In addition to approving the resolution, we are requesting authorization from the Village Board to bid the 2015 Road Maintenance Program. This year's road maintenance program can be bid after we obtain approval by IDOT due to the use of MFT funds. Dependent on the State's review, I would anticipate that the project could be bid in late January with the bid results to be presented at the February 10, 2015 Village Board meeting.

If you should have any questions or require additional information, please do not hesitate to contact me.

Sincerely,  
Gewalt Hamilton Associates, Inc.

Geoffrey Perry, P.E.  
Assistant Village Engineer

Encl: IDOT MFT resolution form BLR 09111 (5 copies)

cc: Mr. David A. Lothspeich, Village Manager – Village of Long Grove  
Mr. Michael T. Shrake, P.E., Village Engineer – GHA

5000 004 Authorization to Bid-MFT Resolution

Option 1 includes road segments and the municipal parking lots that were included in the deferred 2014 Road Program. This option is based on the current Village Budget. Below is a break-down per location according to the engineer's opinion of probable cost:

\*Estimated Costs

**BASE:**

Road Name	From	To	Cost	PCI Rating
Lincoln Avenue	Checker Road	Terminus (North)	\$339,414.30	0,8
Indian Creek Road	Diamond Lake Road	1,200' West	\$78,362.50	N/A
Archer Road & Parking Lot			\$33,118.75	N/A
Stempel Parking Lot (Village Owned Portion)			\$27,396.55	N/A
Stempel Parking Lot (Privately Owned Portion)			\$16,940.95	N/A
<b>Total Engineer's Opinion of Probable Construction Cost:</b>			<b>\$495,233.05</b>	
*Engineering Design (3% of Construction Costs + Pavement Borings):			\$17,856.99	
*Engineering Observation and Construction Management (5% of Construction Costs):			\$24,761.65	
<b>Total Engineer's Opinion of Probable Cost:</b>			<b>\$537,851.69</b>	

\*Estimated Costs

**ALTERNATES:**

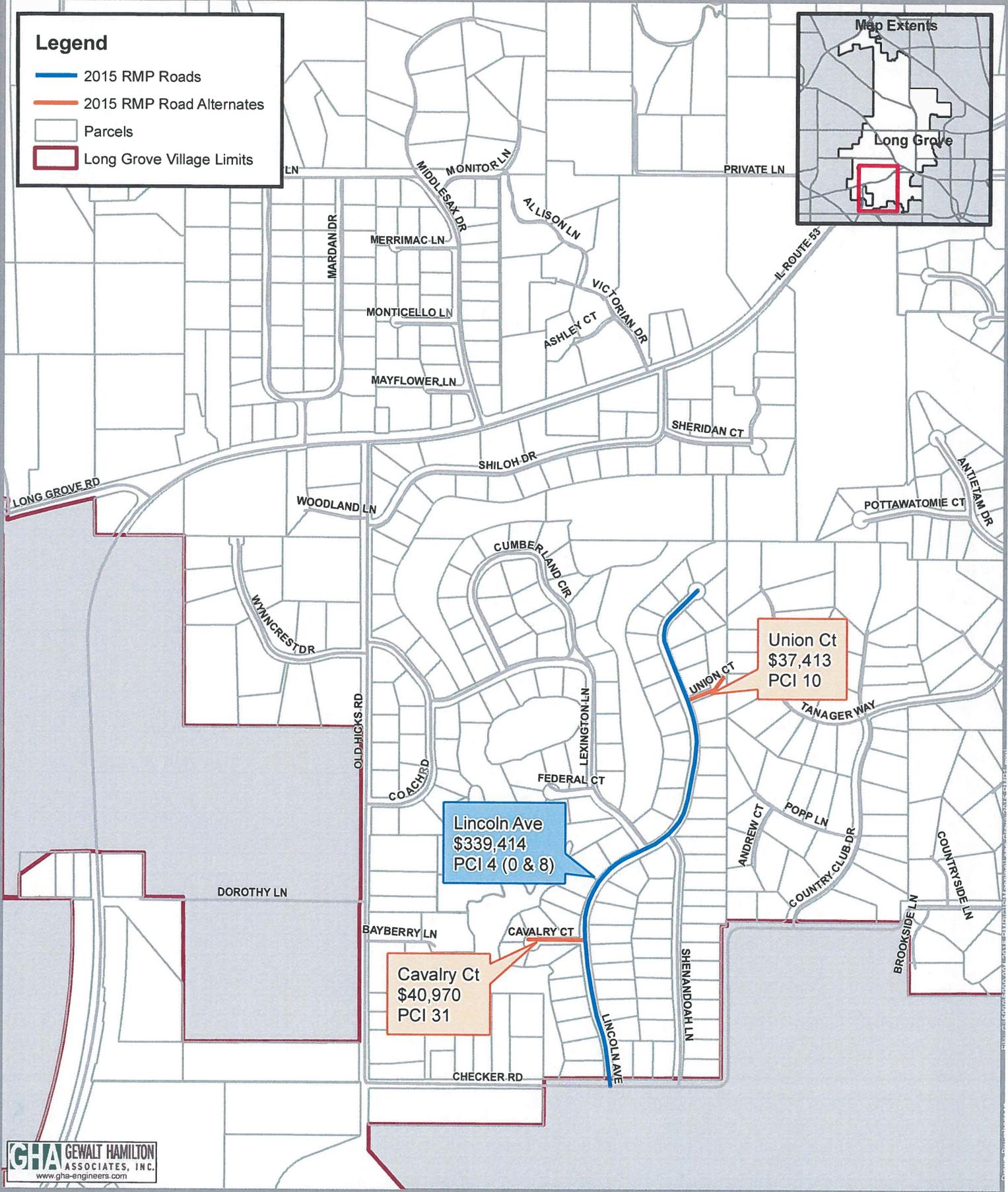
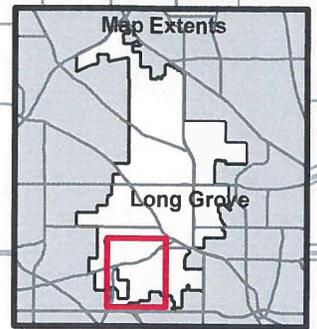
Road Name	From	To	Cost	PCI Rating
Cavalry Court	Lincoln Avenue	Terminus (West)	\$40,970.00	31
Union Court	Lincoln Avenue	Terminus (East)	\$37,413.00	10

<b>PROJECT TOTALS (BASE PLUS ALTERNATES)</b>				
<b>Total Engineer's Opinion of Probable Construction Cost:</b>			<b>\$573,616.05</b>	
*Engineering Design (3% of Construction Costs + Pavement Borings):			\$23,208.48	
*Engineering Observation and Construction Management (5% of Construction Costs):			\$28,680.80	
<b>Total Engineer's Opinion of Probable Cost:</b>			<b>\$625,505.33</b>	

\*Estimated Costs

# Legend

- 2015 RMP Roads
- 2015 RMP Road Alternates
- Parcels
- Long Grove Village Limits



1 inch = 900 Feet

## 2015 Road Maintenance Program - Option 1

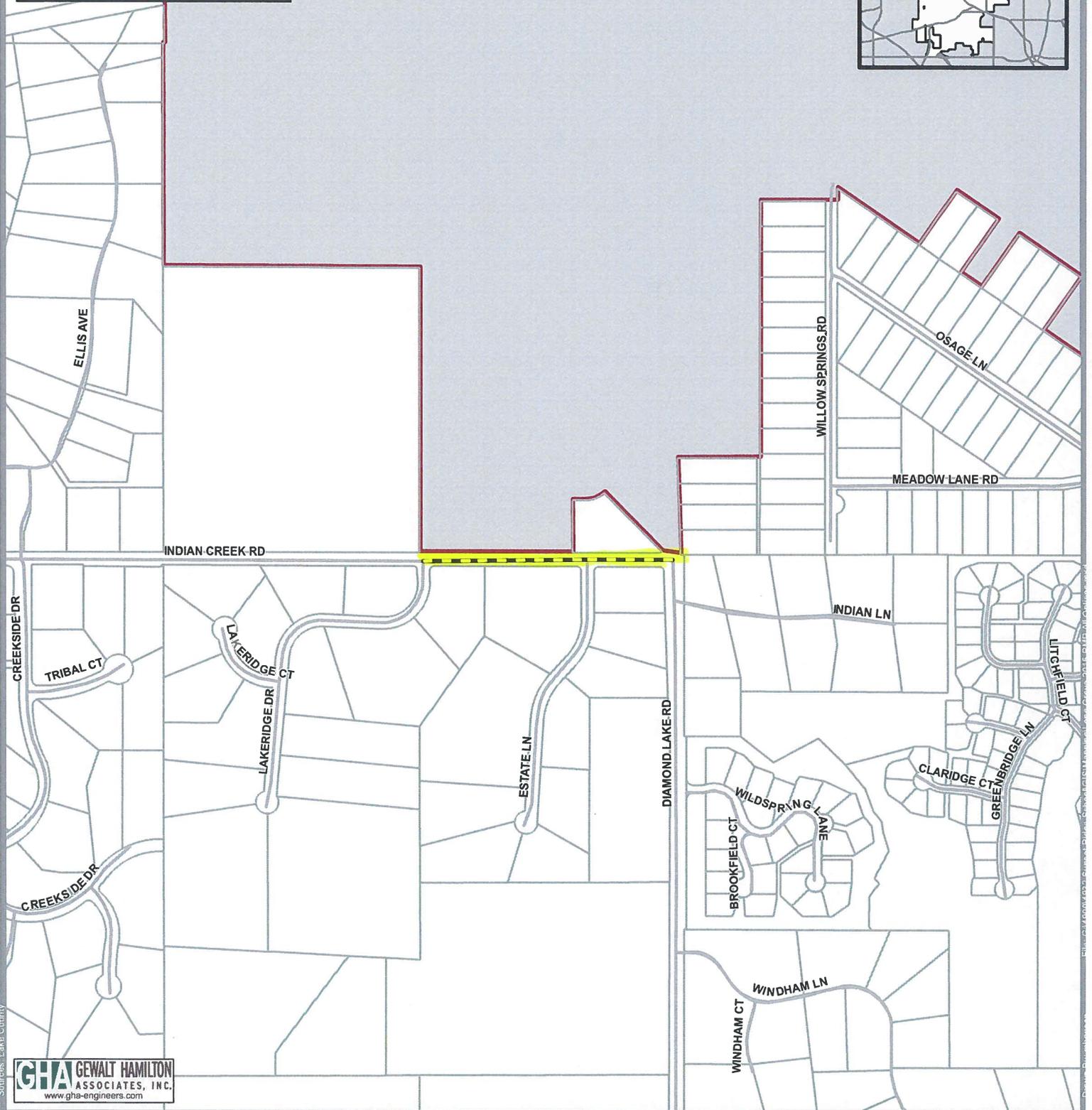
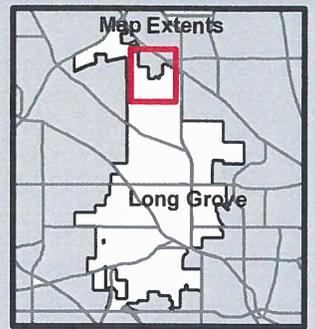
### Village of Long Grove

**Legend**

 2015 RMP - All Options

 Parcels

 Long Grove Village Limits



**GHA** GEWALT HAMILTON  
ASSOCIATES, INC.  
www.gha-engineers.com



1 inch =  700  
Feet

# 2015 Road Maintenance Program - All Options

## Carry-over from 2014 RMP

Village of Long Grove

**Legend**

 Parcels

**PATCH, SEALCOAT & RESTRIPE**

**Owner**

 Privately-Owned

 Village-Owned



**GHA** GEWALT HAMILTON  
ASSOCIATES, INC.  
www.gha-engineers.com

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



1 inch =  200  
Feet

**2015 Road Maintenance Program**  
**Carry-over from 2014 RMP**

Village of Long Grove

**Option 1A** includes road segments and the municipal parking lots that were included in the deferred 2014 Road Program plus the lowest rated roads in the Country Club Estates Subdivision (as included in the Pavement Condition Study for 2015). This option is based on an increased general fund budget. Below is a break-down per location according to the engineer's opinion of probable cost:

**BASE:**

Road Name	From	To	Cost	PCI Rating
Shenandoah Lane	Checker Road	Lincoln Avenue	\$146,876.40	3
Lincoln Avenue	Checker Road	Terminus (North)	\$339,414.30	0,8
Checker Road	Arlington Heights Rd.	710' West	\$65,301.30	N/A
Indian Creek Road	Diamond Lake Road	1,200' West	\$78,362.50	N/A
Archer Road & Parking Lot			\$33,118.75	N/A
Stempel Parking Lot (Village Owned Portion)			\$27,396.55	N/A
Stempel Parking Lot (Privately Owned Portion)			\$16,940.95	N/A
<b>Total Engineer's Opinion of Probable Construction Cost:</b>			<b>\$707,410.75</b>	
Engineering Design (3% of Construction Costs + Pavement Borings):			\$27,222.32	
Engineering Observation and Construction Management (5% of Construction Costs):			\$35,370.54	
<b>Total Engineer's Opinion of Probable Cost:</b>			<b>\$770,003.61</b>	

\*Estimated Costs

\*Portions of Country Club Estates Removed due to Budget

**ALTERNATES:**

Road Name	From	To	Cost	PCI Rating
Cavalry Court	Lincoln Avenue	Terminus (West)	\$40,970.00	31
Union Court	Lincoln Avenue	Terminus (East)	\$37,413.00	10

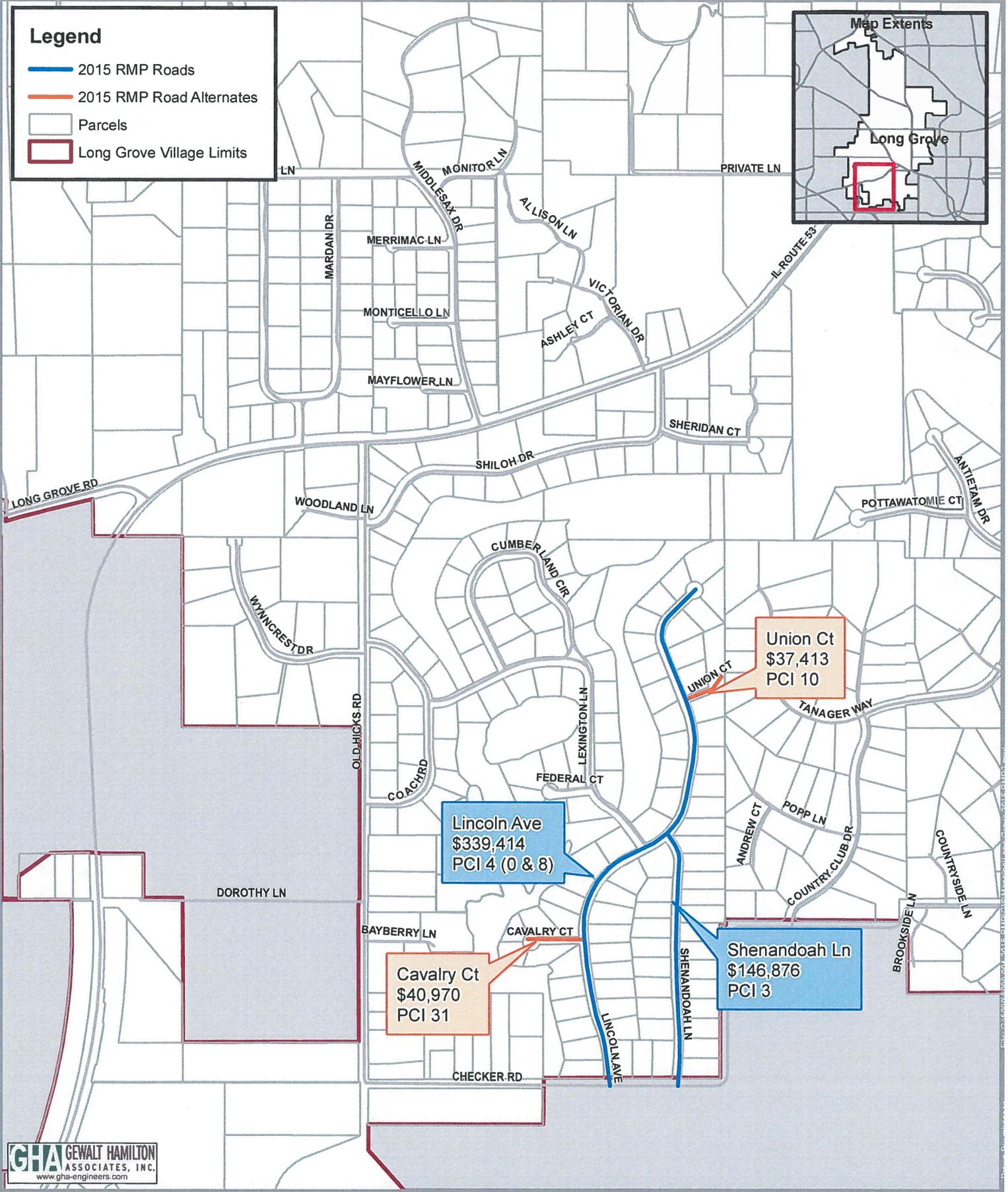
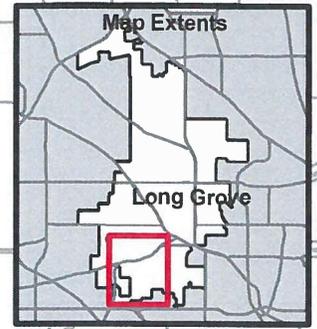
**PROJECT TOTALS (BASE PLUS ALTERNATES)**

<b>Total Engineer's Opinion of Probable Construction Cost:</b>		<b>\$785,793.75</b>	
*Engineering Design (3% of Construction Costs + Pavement Borings):		\$29,573.81	
*Engineering Observation and Construction Management (5% of Construction Costs):		\$39,289.69	
<b>Total Engineer's Opinion of Probable Cost:</b>		<b>\$854,657.25</b>	

\*Estimated Costs

### Legend

- 2015 RMP Roads
- 2015 RMP Road Alternates
- Parcels
- Long Grove Village Limits



1 inch = 900 Feet

## 2015 Road Maintenance Program - Option 1a

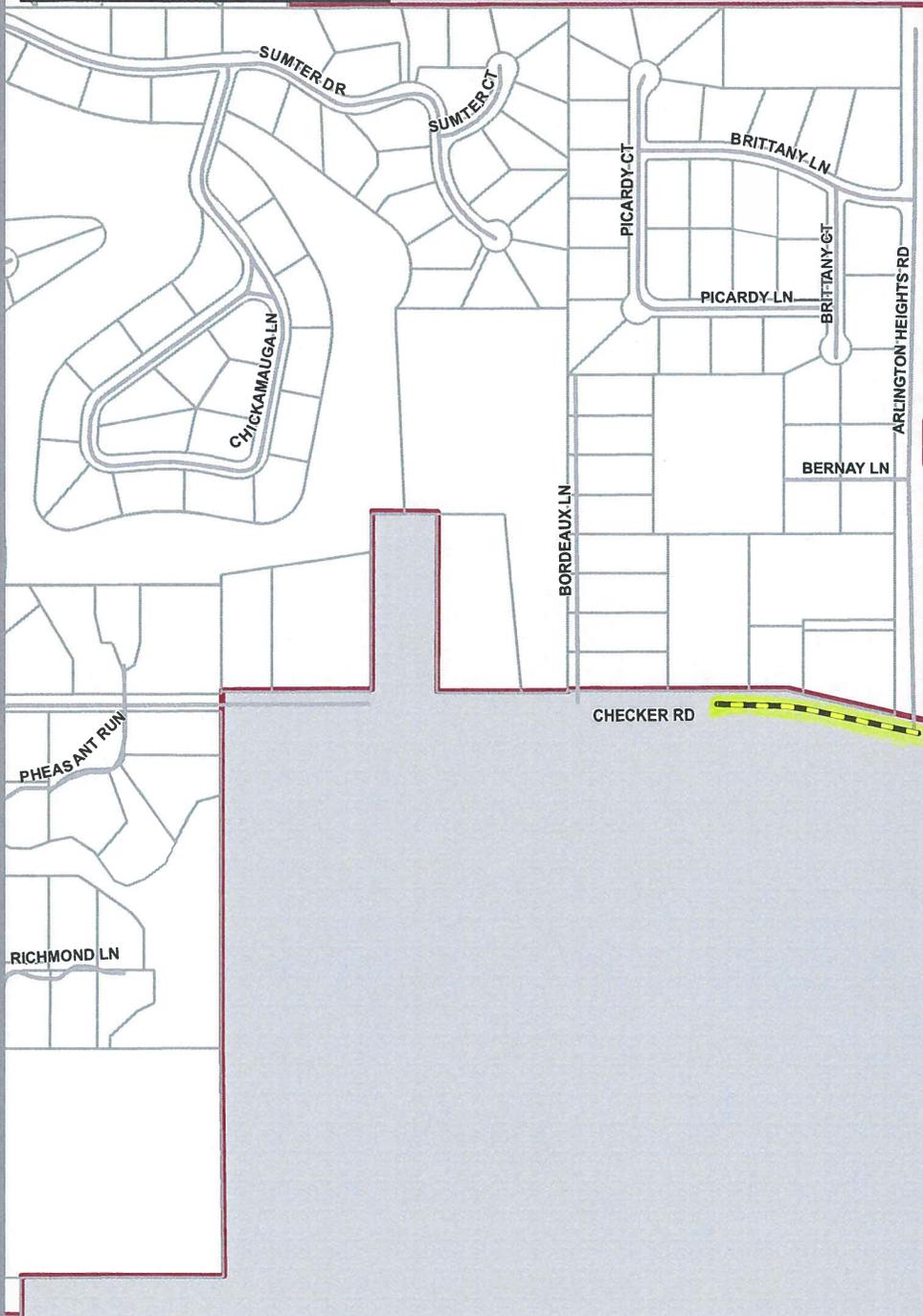
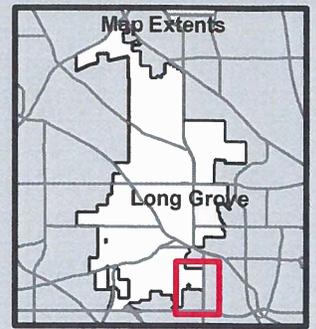
### Village of Long Grove

# Legend

 Options 1a & 1b

 Parcels

 Long Grove Village Limits



1 inch =  700 Feet

## 2015 Road Maintenance Program - Options 1a & 1b Carry-over from 2014 RMP Village of Long Grove

Option 1B includes road segments and the municipal parking lots that were included in the deferred 2014 Road Program plus Country Club Estates Subdivision (as included in the Pavement Condition Study for 2015) and also the lowest rated roads in Mardan Woods (as included in the Pavement Condition Study for 2016). This option is based on an increased general fund budget plus next year's budget. Below is a break-down per location according to the engineer's opinion of probable cost:

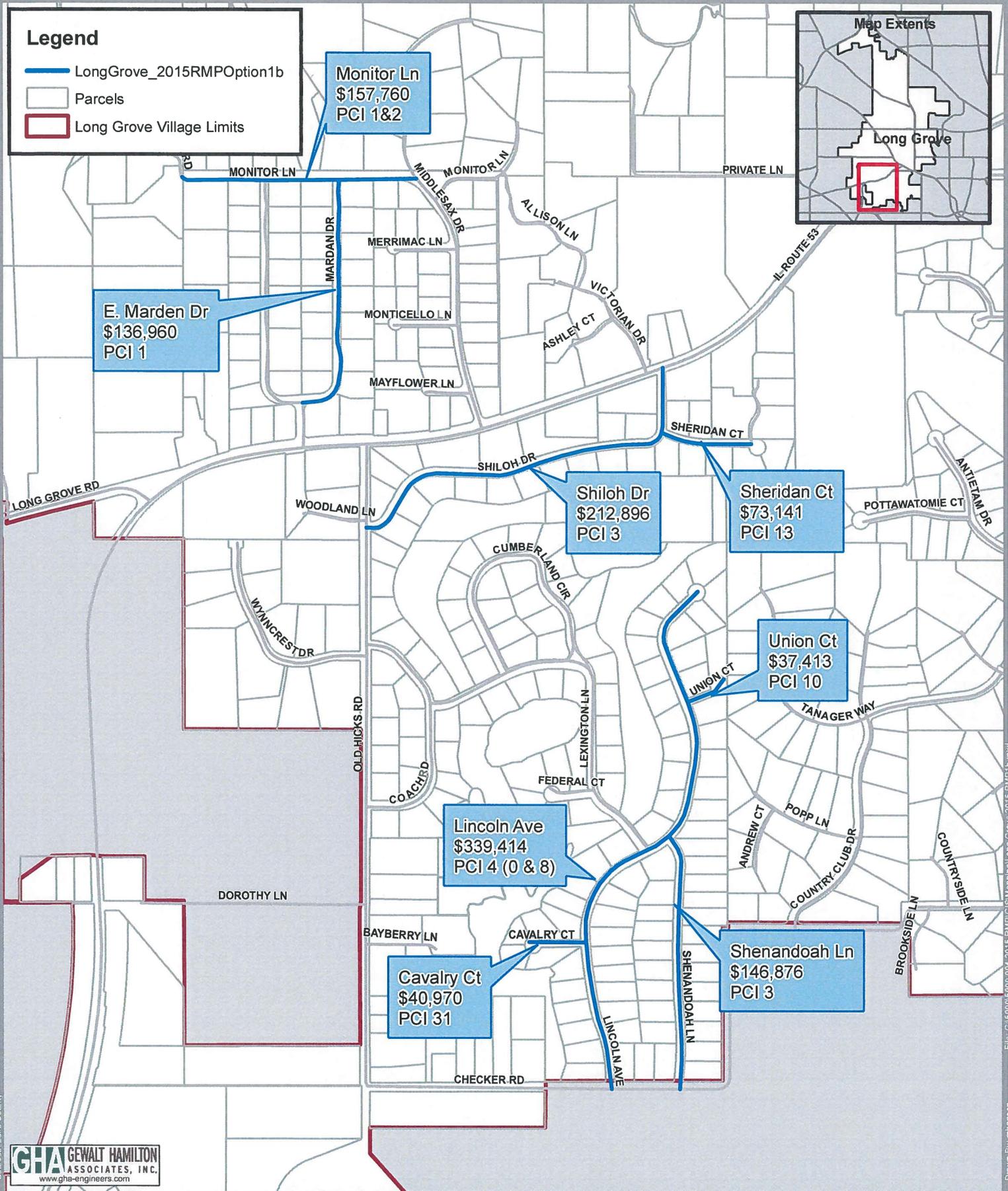
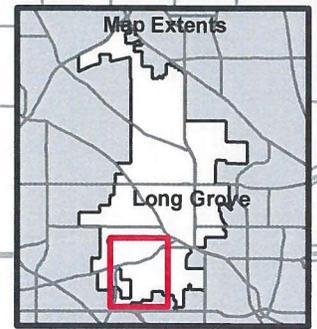
Road Name	From	To	Cost	PCI Rating
Shenandoah Lane	Checker Road	Lincoln Avenue	\$146,876.40	3
Lincoln Avenue	Checker Road	Terminus (North)	\$339,414.30	0,8
Cavalry Court	Lincoln Avenue	Terminus (West)	\$40,970.20	31
Union Court	Lincoln Avenue	Terminus (East)	\$37,413.00	10
Shiloh Drive	Old Hicks Road	Hicks Road	\$212,896.40	3
Sheridan Court	Shiloh Drive	Terminus (East)	\$73,141.20	13
Checker Road	Arlington Heights Rd.	710' West	\$65,301.30	N/A
Indian Creek Road	Diamond Lake Road	1,200' West	\$78,362.50	N/A
Archer Road & Parking Lot			\$33,118.75	N/A
Stempel Parking Lot (Village Owned Portion)			\$27,396.55	N/A
Stempel Parking Lot (Privately Owned Portion)			\$16,940.95	N/A
Monitor Lane	Hidden Valley Drive	Allison Lane	\$157,760.00	1&2
East Mardan Drive	Mardan Drive	Monitor Lane	\$136,960.00	1
<b>Total Engineer's Opinion of Probable Construction Cost:</b>			<b>\$1,366,551.55</b>	
Engineering Design (3% of Construction Costs + Pavement Borings):			\$52,996.55	
Engineering Observation and Construction Management (5% of Construction Costs):			\$68,327.58	
<b>Total Engineer's Opinion of Probable Cost:</b>			<b>\$1,487,875.67</b>	

\*Estimated Costs

\*Portions of Mardan Woods, Mardan Estates and Skycrest Removed due to Budget

**Legend**

-  LongGrove\_2015RMPOption1b
-  Parcels
-  Long Grove Village Limits



1 inch = 900 Feet

# 2015 Road Maintenance Program - Option 1b

## Village of Long Grove



**VILLAGE POLICY - PROCEDURE STATEMENT**  
**Village of Long Grove, Illinois**

**SUBJECT:** Village Public Road Paving Prioritization Policy

**ISSUED BY:** David A. Lothspeich, Village Manager

**EFFECTIVE DATE:** June 11, 2013

**CHECK ONE:**  Official Village Policy Approved by Board  
 Administrative Regulation Issued by Village Manager  
 Departmental Procedure Applying to All Departments and Sworn Personnel

**THIS IS A:**  New Policy or Procedure  
 Amends or  Supersedes Previous Policy Dated: \_\_\_\_\_

**Purpose/Goal:**

The Village of Long Grove was established in 1953 as a non-home rule local government that does not levy a municipal property tax. Prior to the late 1970's, all new roads located within the Village were accepted as public roads. In the late 1970's, the Village recognized that due to limited funding the Village could no longer accept all new roads as public and limited the acceptance of new public roads to those that were identified as thoroughfares. In 1979 and 1999, the Village amended the Long Grove Comprehensive Plan to identify the following "*Village Policy to encourage private roads and to only accept dedicated roads under special circumstances. A reduction in length of dedicated roads will assist the Village in maintaining its no tax levy policy (1979, 1991).*"

As part of the annual budgetary process, the Village of Long Grove Board Of Trustees set aside all of the Motor Fuel Tax (MFT) and Infrastructure Sales Tax and a significant portion of General Fund revenues for the sole purpose of paving the Village-owned public roads. Despite diversifying new revenue resources, the inflation rate for road paving costs has greatly exceeded revenues even with the Village significantly increasing the amounts budgeted and spent for road maintenance. As a result, the Village is increasingly unable to pave all the public streets at the generally accepted rate of every ten years. This policy is established in order to insure that the road paving funds are awarded by the Village Board based upon established priorities to maximize the greatest overall benefit throughout the Village with the limited funds available. All elected officials and employees are expected to follow this procedure.

**Village Public Road Paving Prioritization:**

With the limited funding available for funding road paving and maintenance, the Village Board establishes a formal Village policy prioritizing the paving/maintenance of public roads as follows:

1. Traffic. Roads with highest traffic counts (ADT)/use.
2. Condition. Poorest condition first.
3. Complete Paving. Paving entire length of road vs. segments. Maximize paving vs. patching.
4. Regional Equity. Distribute paving program throughout the Village.