

Item #2B:
Report On Infrastructure Funding
2014/15 Road Paving/Maintenance Program



May 1, 2014

Mr. David Lothspeich
Village Manager
Village of Long Grove
3110 Old McHenry Road
Long Grove, IL 60047

RE: 2014 Long Grove Street Program – **Paving Recommendations**
ESI Project No.: 04-026-018 BG#444

Dear Dave,

ESI Consultants, Ltd (ESI) is writing this letter to offer roadway improvement recommendations for the Long Grove 2014 Street Program. Our recommendations are based on field reconnaissance, previously completed street ratings and the Village Public Road Paving & Maintenance Prioritization Policy effective June 11, 2013. Several thoroughfares were considered for improvement this year. It is ESI's understanding that \$200,000 of Illinois Department of Transportation (IDOT) Motor Fuel Tax (MFT) funds and \$450,000 of Village General Funds will be put towards the maintenance of Village "thoroughfares" and parking facilities.

ESI has developed detailed Preliminary Opinions of Probable Costs for each of the following Village thoroughfares.

- Cuba Road (Village west limits to Old McHenry Road ROW)
- N. Krueger Road (IL Rte 22 ROW to Gilmer Road ROW)
- Indian Creek Road (Village west limits to Diamond Lake Road)
- Check Road (East 700' to Arlington Heights Road)

ESI has also put included Preliminary Opinions of Probable Costs for limited maintenance of the following Village owned parking lots.

- Archer Road and Parking Lot
- Stemple Parking Lot

SUMMARY OF PRELIMINARY PROBABLE COSTS

ROADWAY	Linear Feet of Roadway (ft / mi)	PROBABLE COSTS			TOTAL
		Construction	Prelim & Design Engineering Budget (*estimated between 5% and 7% for budgeting)	Construction Engineering Budget	
Cuba Road	7,300 / 1.38	\$478,205	\$33,480	\$33,480	\$545,165
N. Krueger Road	5,840 / 1.11	\$379,480	\$18,975	\$26,565	\$425,020
Indian Creek Road	3,942 / 0.75	\$326,760	\$16,340	\$22,875	\$365,975
Checker Road	710 / 0.13	\$81,500	\$4,075	\$5,705	\$91,280
<i>PARKING LOT</i>					
Stemple	N/A	\$16,170	\$1,135	\$1,135	\$18,440
Archer	N/A	\$60,715	\$4,250	\$4,250	\$69,215

The above costs reflect increased market costs for materials and an anticipated high demand for construction labor. At this point in the construction season, paving contractors are experiencing a high inflow of construction projects (based on increased capital spending as well as the recent harsh winter which caused more significant damage including on many private lots and roads), which leads to a shortage of laborers and means to perform the work.

ESI recommends that the Village use the allotted MFT and Village General funds to provide the necessary maintenance on N. Krueger Road and the remaining portion of Checker Road. In addition, it is recommended that pavement striping and patching be provided for Stemple Parking Lot, Archer Parking Lot and Archer Road. ESI recommends that the aforementioned roadways and parking lots are bid together such that bid unit pricing reflects the combined higher quantities. Furthermore, ESI recommends that Indian Creek Road be included in the bid package as a Bid Alternative. Should the received bids be advantageous to the Village, this will provide the Village the option of using additional General Funds to provide maintenance on another roadway utilizing the favorable bid prices.

Since there are limited funds to be allocated, we recommend waiting until future years to perform maintenance on Cuba Road. There is a pending application for Highway Safety Improvement Program funding (HSIP) for Cuba Road which would allow much of this work to be completed using these federal dollars at a 90% federal / 10% Village split. Given the accident history on Cuba Road with deaths we believe that there is a reasonable likelihood that Cuba Road will be eligible for such funding with a more significant improvement (shoulder widening and vertical profile / sight distance adjustments as well as other potential improvements including general pavement condition. If this application is successful then the design and construction would be under this funding process and would be in subsequent years (planned for 2015 or 2016). While the overall costs for a Cuba Road HSIP improvement would then be higher (for this more significant improvement), the Village's portion would likely still be much less – thereby stretching Village dollars further while gaining a more significant improvement. If this

funding application is not successful the work on Cuba Road would then still be able to occur as shown in this summary using the Village's current program in 2015

It should also be noted that the work on Stemple Lot is very limited. Given the existing condition any such maintenance will have a very limited life span. We would recommend reconstruction of this lot as funding becomes available.

Detailed preliminary cost estimates are attached for the above improvements. Should the Village have any comments or concerns please feel free to call.

Sincerely,

ESI Consultants, Ltd.

Joseph Chiczewski, PE
Village Engineer

ATTACHMENT

C: Brandt T. Zentner – *ESI*

The 2014 Street Program scopes of work are summarized in detail below:

Cuba Road Resurfacing

- a. Remove existing 2" of surface hot-mix asphalt (HMA). Place 1.5" of HMA surface course;
- b. Place 3/4" HMA leveling binder to fill roadway voids and correct roadway grades;
- c. Perform various depth Class D patching in areas where pavement is failing. Approximately 10% of total pavement area was assumed failing for calculating patching quantities.
- d. Restripe roadway and stop bars;
- e. Replace traffic signs not meeting MUTCD standards;
- f. Restore landscaping adjacent to the roadway.

Krueger Road Resurfacing

- a. Remove existing 2" of surface hot-mix asphalt (HMA). Place 1.5" of HMA surface course;
- b. Place 3/4" HMA leveling binder to fill roadway voids and correct roadway grades;
- c. Perform various depth Class D patching in areas where pavement is failing. Approximately 10% of total pavement area was assumed failing for calculating patching quantities.
- d. Restripe roadway and stop bars;
- e. Replace traffic signs not meeting MUTCD standards;
- f. Restore landscaping adjacent to the roadway.

Indian Creek Road Resurfacing

- a. Remove existing 2" of surface hot-mix asphalt (HMA). Place 1.5" of HMA surface course;
- b. Place 3/4" HMA leveling binder to fill roadway voids and correct roadway grades;
- c. Perform full various Class D patching in areas where pavement is failing. Approximately 10% of total pavement area was assumed failing for calculating patching quantities.
- d. Restripe roadway and stop bars;
- e. Replace traffic signs not meeting MUTCD standards;
- f. Restore landscaping adjacent to the roadway.

Checker Road Resurfacing (Including Lake County ROW Area)

- a. Remove existing 2" of surface hot-mix asphalt (HMA). Place 1.5" of HMA surface course;
- b. Place 3/4" HMA leveling binder to fill roadway voids and correct roadway grades;
- c. Perform various depth Class D patching in areas where pavement is failing. Approximately 10% of total pavement area was assumed failing for calculating patching quantities.
- d. Restripe roadway and stop bars;
- e. Replace traffic signs not meeting MUTCD standards;
- f. Restore landscaping adjacent to the roadway.
- g. Replace traffic signal detector loops.

Archer Road & Archer Parking Lot Striping

- a. Replace dead plants, shrubs and trees;
- b. Restripe Archer Road using Epoxy Paint;

- c. Restripe Archer Parking Lot using Epoxy Paint;
- d. HMA Surface Patching.

Stemple Parking Lot Striping & HMA Patching

- a. Restripe Stemple Parking Lot using Epoxy Paint;
- b. HMA Surface Patching.

SUMMARY OF 2014 STREET PROGRAM PROBABLE COSTS

COSTS	PAVING PROGRAM OPTIONS						
	INDIAN CREEK ROAD	CUBA ROAD	N KRUEGER ROAD	CHECKER ROAD	ARCHER RD AND PARKING LOT	STEMPLE PARKING LOT	
Construction	\$ 326,755.82	\$ 478,202.82	\$ 379,480.02	\$ 81,497.26	\$ 60,714.52	\$ 16,170.00	
Preliminary/ Survey	\$ 6,535.12	\$ 9,564.06	\$ 7,589.60	\$ 1,629.95	\$ 1,214.29	\$ 323.40	
Design Engineering	\$ 9,802.67	\$ 23,910.14	\$ 11,384.40	\$ 2,444.92	\$ 3,035.73	\$ 808.50	
Construction Engineering	\$ 22,872.91	\$ 33,474.20	\$ 26,563.60	\$ 5,704.81	\$ 4,250.02	\$ 1,131.90	
TOTAL COSTS	\$ 365,966.51	\$ 545,151.22	\$ 425,017.63	\$ 91,276.93	\$ 69,214.55	\$ 18,433.80	

Schedule of Prices

Route: Various Streets
 County: Lake
 Local Agency: Village of Long Grove
 Section: 14-00000-01GM

Item No.	Items	Unit	Quantity	Unit Price	Total
CUBA ROAD (PRELIMINARY)					
1	Removal and Disposal of Unsuitable Material	CY	55.0	\$ 50.00	\$ 2,750.00
2	Porous Granular Embankment	CY	55.0	\$ 55.00	\$ 3,025.00
3	Furnishing and Placing Topsoil 4"	SY	2750.0	\$ 4.00	\$ 11,000.00
4	Seeding, CL 2A	ACRES	0.6	\$ 2,000.00	\$ 1,144.00
5	Erosion Control Blanket	SY	2750.0	\$ 3.10	\$ 8,525.00
6	Bituminous Materials (Prime Coat) (0.1 gals/sy)	GAL	2170.0	\$ 3.00	\$ 6,509.91
7	Aggregate Prime Coat (4 lbs/sy)	TON	43.4	\$ 19.00	\$ 824.59
8	Bituminous Surface Removal, 2"	SY	20720.7	\$ 2.50	\$ 51,801.75
9	Driveway Removal, 2"	SY	979.0	\$ 10.00	\$ 9,790.00
10	HMA Butt Joint	SY	38.5	\$ 8.50	\$ 327.25
11	Aggregate Shoulders, Type B	TON	44.0	\$ 75.00	\$ 3,300.00
12	HMA Partial Depth Pavement Patch, 4"	SY	220.0	\$ 50.00	\$ 11,000.00
13	Class D Patches, TY III, 8"	SY	220.0	\$ 75.00	\$ 16,500.00
14	Class D Patches, TY III, 8"	SY	220.0	\$ 70.00	\$ 15,400.00
15	Class D Patches, TY IV, 8"	SY	220.0	\$ 65.00	\$ 14,300.00
16	Traffic Control and Protection STD as Included in Details	L SUM	1.0	\$ 20,000.00	\$ 20,000.00
17	2.0" Hot-Mix Asphalt Surface Course, Mix D, N50 (Driveway Pavement)	TON	109.6	\$ 137.00	\$ 15,021.78
18	1.5" Hot-Mix Asphalt Surface Course, Mix D, N50	TON	1740.5	\$ 90.00	\$ 156,648.49
19	0.75" Leveling Binder (Machine Method), N50	TON	870.3	\$ 95.00	\$ 82,675.59
20	4" Solid Yellow Thermoplastic Pavement Marking	LF	15873.0	\$ 0.70	\$ 11,111.10
21	4" Solid White Thermoplastic Pavement Marking	LF	15719.0	\$ 0.70	\$ 11,003.30
22	24" Solid White Thermoplastic Pavement Marking (Old Hicks Rd)	LF	33.0	\$ 4.50	\$ 148.50
23	Traffic Panels, Remove and Replace (STOP, R1-1 30x30) w/ Post	EA	2.0	\$ 250.00	\$ 500.00
24	Traffic Panels, Remove and Replace (STOP AHEAD SYM, W3-1 30x30) w/ Post	EA	1.0	\$ 250.00	\$ 250.00
25	Traffic Panels, Remove and Replace ("School Bus Stop Ahead", S3-1 30x30) w/ Post	EA	2.0	\$ 250.00	\$ 500.00
26	Traffic Panels, Remove and Replace (Speed Limit 30 mph, R2-1 24x30) w/ Post	EA	4.0	\$ 250.00	\$ 1,000.00
27	Traffic Panels, Remove and Replace ("Weight Limit 4 Tons", R12-1 24x30)	EA	2.0	\$ 125.00	\$ 250.00
28	Traffic Panels, Remove and Replace ("Old McHenry Road", W17-1100)	EA	1.0	\$ 125.00	\$ 125.00
			Total	\$455,431.26	

Construction Costs = \$ 455,431.26

Contingency (5%) = \$ 22,771.56

Subtotal = \$ 478,202.82

Preliminary/Survey (2%) = \$ 9,564.06

Design Engineering (5%) = \$ 23,910.14

Construction Engineering (7%) = \$ 33,474.20

TOTAL = \$ 545,151.22

Schedule of Prices

Route: Various Streets
 County: Lake
 Local Agency: Village of Long Grove
 Section: 14-00000-01GM

Item No.	Items	Unit	Quantity	Unit Price	Total
NORTH KRUEGER ROAD (PRELIMINARY)					
1	Removal and Disposal of Unsuitable Material	CY	55.0	\$ 50.00	\$ 2,750.00
2	Porous Granular Embankment	CY	55.0	\$ 55.00	\$ 3,025.00
3	Furnishing and Placing Topsoil 4"	SY	3212.0	\$ 4.00	\$ 12,848.00
4	Seeding, CL 2A	ACRES	0.7	\$ 2,000.00	\$ 1,320.00
5	Erosion Control Blanket	SY	3212.0	\$ 3.10	\$ 9,957.20
6	Bituminous Materials (Prime Coat) (0.1 gals/sy)	GAL	1583.2	\$ 3.00	\$ 4,749.67
7	Aggregate Prime Coat (4 lbs/sy)	TON	31.7	\$ 19.00	\$ 601.63
8	Bituminous Surface Removal, 2"	SY	15768.2	\$ 2.50	\$ 39,420.49
9	Driveway Removal, 2"	SY	64.0	\$ 10.00	\$ 640.44
10	HMA Butt Joint	SY	33.0	\$ 8.50	\$ 280.50
11	Aggregate Shoulders, Type B	TON	44.0	\$ 75.00	\$ 3,300.00
12	HMA Partial Depth Pavement Patch, 4"	SY	220.0	\$ 50.00	\$ 11,000.00
13	Class D Patches, TY III, 8"	SY	220.0	\$ 75.00	\$ 16,500.00
14	Class D Patches, TY III, 8"	SY	220.0	\$ 70.00	\$ 15,400.00
15	Class D Patches, TY IV, 8"	SY	220.0	\$ 65.00	\$ 14,300.00
16	Traffic Control and Protection STD as Included in Details	L SUM	1.0	\$ 20,000.00	\$ 20,000.00
17	2.0" Hot-Mix Asphalt Surface Course, Mix D, N50 (Driveway Pavement)	TON	44.3	\$ 137.00	\$ 6,074.35
18	1.5" Hot-Mix Asphalt Surface Course, Mix D, N50	TON	1296.7	\$ 90.00	\$ 116,698.89
19	0.75" Leveling Binder (Machine Method), N50	TON	648.3	\$ 95.00	\$ 61,591.08
20	4" Solid Yellow Thermoplastic Pavement Marking	LF	12848.0	\$ 0.70	\$ 8,993.60
21	4" Solid White Thermoplastic Pavement Marking	LF	12551.0	\$ 0.70	\$ 8,785.70
22	24" Solid White Thermoplastic Pavement Marking (Old Hicks Rd)	LF	44.0	\$ 4.50	\$ 198.00
23	Traffic Panels, Remove and Replace (STOP AHEAD (SYM), W3-1 30x30) w/Post	EA	3.0	\$ 250.00	\$ 750.00
24	Traffic Panels, Remove and Replace ("Dangerous Intersection", 30x30)	EA	2.0	\$ 150.00	\$ 300.00
25	Traffic Panels, Remove and Replace (Speed Limit 30 mph, R2-1 24x30) w/Post	EA	2.0	\$ 250.00	\$ 500.00
26	Traffic Panels, Remove and Replace ("Weight Limit 4 Tons", R12-1 24x30)	EA	2.0	\$ 125.00	\$ 250.00
27	Traffic Panels, Remove and Replace ("Gilmer Road", W17-1100)	EA	1.0	\$ 125.00	\$ 125.00
28	Traffic Panels, Remove and Replace ("No Littering \$500 Fine", 24x30)	EA	2.0	\$ 125.00	\$ 250.00
29	Traffic Panels, Remove and Replace ("Deer Crossing SYM", W11-3 30x30)	EA	2.0	\$ 250.00	\$ 500.00
30	Remove Existing Sign (No Littering \$500 Fine) and Sign Post	EA	1.0	\$ 150.00	\$ 150.00
31	Remove and Re-install Existing Sign (Village of Long Grove)	EA	1.0	\$ 150.00	\$ 150.00
			Total		\$361,409.55

Construction Costs = \$ 361,409.55

Contingency (5%) = \$ 18,070.48

Subtotal = \$ 379,480.02

Preliminary/Survey (2%) = \$ 7,589.60

Design Engineering (3%) = \$ 11,384.40

Construction Engineering (7%) = \$ 26,563.60

TOTAL = \$ 425,017.63

Schedule of Prices

Route: Various Streets
 County: Lake
 Local Agency: Village of Long Grove
 Section: 14-00000-01GM

Item No.	Items	Unit	Quantity	Unit Price	Total
CHECKER ROAD WITH LAKE COUNTY ROW AREA (PRELIMINARY)					
1	Removal and Disposal of Unsuitable Material	CY	27.5	\$ 50.00	\$ 1,375.00
2	Porous Granular Embankment	CY	27.5	\$ 55.00	\$ 1,512.50
3	Furnishing and Placing Topsoil 4"	SY	412.5	\$ 4.00	\$ 1,650.00
4	Seeding, CL 2A	ACRES	0.1	\$ 2,000.00	\$ 176.00
5	Erosion Control Blanket	SY	412.5	\$ 3.10	\$ 1,278.75
6	Bituminous Materials (Prime Coat) (0.1 gals/sy)	GAL	234.0	\$ 3.00	\$ 701.91
7	Aggregate Prime Coat (4 lbs/sy)	TON	4.7	\$ 19.00	\$ 88.91
8	Bituminous Surface Removal, 2"	SY	2208.3	\$ 2.50	\$ 5,520.63
9	Driveway Removal, 2"	SY	131.5	\$ 10.00	\$ 1,314.50
10	HMA Butt Joint	SY	59.4	\$ 8.50	\$ 504.90
11	Aggregate Shoulders, Type B	TON	27.5	\$ 75.00	\$ 2,062.50
12	HMA Partial Depth Pavement Patch, 4"	SY	55.0	\$ 50.00	\$ 2,750.00
13	Class D Patches, TY III, 8"	SY	55.0	\$ 75.00	\$ 4,125.00
14	Class D Patches, TY III, 8"	SY	55.0	\$ 70.00	\$ 3,850.00
15	Class D Patches, TY IV, 8"	SY	55.0	\$ 65.00	\$ 3,575.00
16	Traffic Control and Protection STD as Included in Details	L SUM	1.0	\$ 12,500.00	\$ 12,500.00
17	2.0" Hot-Mix Asphalt Surface Course, Mix D, N50 (Driveway Pavement)	TON	14.7	\$ 137.00	\$ 2,016.97
18	1.5" Hot-Mix Asphalt Surface Course, Mix D, N50	TON	185.5	\$ 90.00	\$ 16,694.37
19	0.75" Leveling Binder (Machine Method), N50	TON	92.7	\$ 95.00	\$ 8,810.92
20	4" Solid Yellow Thermoplastic Pavement Marking	LF	1597.2	\$ 0.70	\$ 1,118.04
21	4" Solid White Thermoplastic Pavement Marking	LF	1666.5	\$ 0.70	\$ 1,166.55
22	24" Solid White Thermoplastic Pavement Marking (Old Hicks Rd)	LF	22.0	\$ 4.50	\$ 99.00
23	Traffic Panels, Remove and Replace ("School Bus Stop Ahead", S3-1 30x30) w/Post	EA	1.0	\$ 250.00	\$ 250.00
24	Traffic Panels, Remove and Replace ("No Thru Traffic", 18x24)	EA	1.0	\$ 150.00	\$ 150.00
25	Traffic Panels, Remove and Replace (Speed Limit 30 mph, R2-1 24x30) w/Post	EA	1.0	\$ 250.00	\$ 250.00
26	Traffic Panels, Remove and Replace ("Weight Limit 4 Tons", R12-1 24x30) w/Post	EA	1.0	\$ 250.00	\$ 250.00
27	Traffic Panels, Remove and Replace ("No Parking (SYM) Entire Subdivision", 24x30) w/Post	EA	1.0	\$ 250.00	\$ 250.00
28	Traffic Panels, Remove and Replace ("No Littering \$500 Fine", 24x30)	EA	1.0	\$ 125.00	\$ 125.00
29	Remove and Re-install Existing Sign (Village of Long Grove)	EA	1.0	\$ 150.00	\$ 150.00
30	Detector Loop Replacement (Lake County)	LF	110.0	\$ 30.00	\$ 3,300.00
			Total		\$77,616.44

Construction Costs = \$ 77,616.44
 Contingency (5%) = \$ 3,880.82
Subtotal = \$ 81,497.26

Preliminary/Survey (2%) = \$ 1,629.95
 Design Engineering (3%) = \$ 2,444.92
 Construction Engineering (7%) = \$ 5,704.81

TOTAL = \$ 91,276.93

Schedule of Prices

Route: **Various Streets**
 County: **Lake**
 Local Agent: **Village of Long Grove**
 Section: **14-00000-01GM**

Item No.	Items	Unit	Quantity	Unit Price	Total
ARCHER ROAD AND PARKING LOT					
1	Epoxy Pavement Striping, 4"	LF	18150.0	\$ 0.80	\$ 14,520.00
2	HMA Partial Depth Pavement Patch, 2"	SY	330.0	\$ 40.00	\$ 13,200.00
3	BIOSWALE SEED MIX	SY	412.5	\$ 1.20	\$ 495.00
4	EROSION CONTR BLANKET	SY	412.5	\$ 3.10	\$ 1,278.75
5	SHADE TREE, 3" CALIPER B&B	EACH	5.0	\$ 690.00	\$ 3,450.00
6	ORNMNTL TREE 8' HT B&B	EACH	3.0	\$ 597.00	\$ 1,791.00
7	EVERGREEN TR B&B	EACH	5.0	\$ 786.00	\$ 3,930.00
8	DECIDUOUS SHRUB 5 GAL 36" B&B	EACH	94.0	\$ 60.00	\$ 5,640.00
9	EVERGREEN SHRUB	EACH	12.0	\$ 82.80	\$ 993.60
10	PERENNIAL, 1 GAL POT	EACH	611.0	\$ 15.00	\$ 9,165.00
11	GROUNDCOVER 3" POT	EACH	140.0	\$ 24.00	\$ 3,360.00
			Total		\$57,823.35

Construction Costs = \$ 57,823.35

Contingency (5%) = \$ 2,891.17

Subtotal = \$ 60,714.52

Preliminary/Survey (2%) = \$ 1,214.29

Design Engineering (5%) = \$ 3,035.73

Construction Engineering (7%) = \$ 4,250.02

TOTAL = \$ 69,214.55

Schedule of Prices

Route: Various Streets
 County: Lake
 Local Agent: Village of Long Grove
 Section: 14-00000-01GM

Item No.	Items	Unit	Quantity	Unit Price	Total
STEMPLE PARKING LOT					
1	Epoxy Pavement Striping, 4"	LF	4400.0	\$ 1.00	\$ 4,400.00
2	HMA Partial Depth Pavement Patch, 2"	SY	275.0	\$ 40.00	\$ 11,000.00
			Total		\$15,400.00

Construction Costs = \$ 15,400.00
 Contingency (5%) = \$ 770.00
Subtotal = \$ 16,170.00

Preliminary/Survey (2%) = \$ 323.40
 Design Engineering (5%) = \$ 808.50
 Construction Engineering (7%) = \$ 1,131.90

TOTAL = \$ 18,433.80



Memorandum

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CHICAGO
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CHARLESTON
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Charleston, IL 61920
p 217.348.1900 f 217.348.1903

Date: May 9, 2015 R

Page 1 of 2

To: Dave Lothspeich

Address: Village of Long Grove

From: Joe Chiczewski

Subject: Cuba Road Highway Safety Improvement Program Funding (HSIP)

Project Number: 04-026-018

Dave:

In preparation for our meeting on Friday I am providing the following summary (please let me know if you would like this in a different format for the board review)

1) **Cuba Road HSIP –**

We have evaluated a conceptual HSIP project for Cuba Road.

We will only be able to include the fatal crash from 2008, but not the one from 2004. This counts as one fatal crash, even though there were 2 fatalities. There were 3 other injuries crashes in the data we received, but we are not sure of the type (A-injury, B-injury or C-injury), so we assumed A.

Based on this crash history, we can do a HSIP project with a preliminary/conceptual cost of \$3.25M (including construction cost and engineering fees). This would conceptually include a combination of reconstruction to improve vertical grades, resurfacing in areas where we are not reconstructing and shoulder widening. This has a benefit cost ratio of 1.5 which would have a good chance of being approved by IDOT.

HSIP is a 90/10 split, so Long Grove's portion of the project would be \$325,000. Note that the previous cost estimates for resurfacing on Cuba Road (about \$545,000) would not need to be spent by the Village as these improvements would be incorporated into the HSIP project

allowing for a more significant improvement on Cuba Road while saving an estimated \$220,000 of Village funds.

We anticipate work could be completed for an engineering fee of \$9,000 which would include some additional analysis and refine our conceptual concept and costs before submitting the application to IDOT.

Applications for Local HSIP projects are accepted on an annual basis, with this year's submittal due on May 30. In order to complete the application in this timeframe, we would need approval as soon as possible.

After submittal, and upon HSIP funding approval the detailed engineering plans would be developed and we would anticipate construction in the year 2015.

Please let me know if you have further questions.

Thanks
Joe