

MEMORANDUM

To: Board of Trustees
Village of Barrington Hills

From: Daniel J. Strahan, P.E., CFM
Assistant Village Engineer

Date: May 17, 2013

Re: 2013 Road Program Summary

Bids were received for the 2013 Road Program on Thursday, May 16, 2013. The following pages provide a summary of the work to be completed as well as a review of the bids received.

2013 Road Program Summary

The goals of the Barrington Hills Road Program are to repair and maintain the pavement conditions of 39.0 miles of Village roadways to an acceptable condition, and to reduce maintenance costs to the Village over the life of the roadways. The 2013 Road Program includes patching and resurfacing operations on Spring Creek Road and Three Lakes Road, as well as intermittent patching on Haeger's Bend Road, River Road, Meadow Hill Road, and Old Hart Road.

Spring Creek Road



Fig. 1- Location of Platted R.O.W.- Spring Creek Road

PLATTED MUNICIPAL ROW

- ◆◆◆◆ ONE SIDE ONLY
- BOTH SIDES

- Physical Conditions
 - 15,664 FT (2.97 miles)
 - Existing Width Varies- Generally 20'-21'.
 - Platted right-of-way limited (See Figure 1)

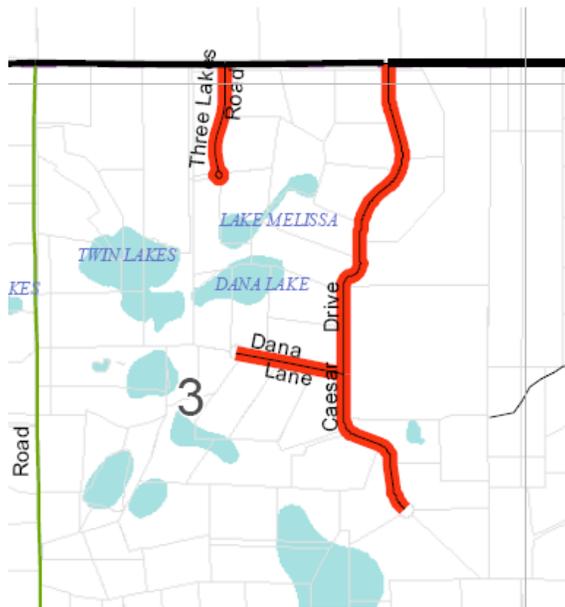


Fig. 2- Spring Creek West of Braeburn- Looking West



Fig. 3- Spring Creek Road- East of Meadow Hill

Three Lakes Road



- Physical Conditions
 - Three Lakes Road- 980 linear feet (0.19 miles)
 - Existing Width varies- 20' Average
 - Platted right-of-way through full length (See Figure 4)

Fig. 4- Location of Platted R.O.W.- Three Lakes Road



Fig. 5- Three Lakes Road- Looking South

2013 Road Program- Bid Summary

Five bids for the 2012 Road Program were received on Thursday, May 16, 2013. Below is a summary of the bids received:

• Arrow Road Construction (Mount Prospect, IL)	\$697,430.10 (\$41.90/FT)
• Geske & Sons (Crystal Lake, IL)	\$698,423.75
• Curran Contracting Co. (Crystal Lake, IL)	\$745,618.90
• Schroeder Asphalt (Huntley, IL)	\$756,107.20
• J.A. Johnson Paving (Arlington Heights, IL)	\$797,629.30
• <i>Engineer's Opinion of Probable Cost</i>	\$728,033.00

Arrow Road Construction and Geske & Sons, Inc. both have asphalt plans in Algonquin, and as a result submitted the two lowest bids. The replacement of culverts along Spring Creek Road was bid separately this year, so the cost per foot is more purely that of resurfacing only. Below the cost per linear foot of this year's project is compared to adjusted costs over the last few years:

• 2010 Resurfacing Cost:	\$39.58/LF
• 2011 Resurfacing Cost (Patching on other roads removed):	\$42.38/LF
• 2012 Resurfacing Cost (Caesar Storm & Steeplechase culverts removed):	\$43.87/LF
• 2013 Resurfacing Cost	\$41.90/LF

2013 Roads & Bridges Budget Summary

• Road Maintenance Contracts	<u>\$710,000.00</u>
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GHA Bid Recommendations

We recommend that the Village Board award the 2013 Road Program work package in the amount of \$697,430.10 to Arrow Road Construction.

cc: Robert Kosin, Director of Administration

May 17, 2013

850 Forest Edge Drive, Vernon Hills, IL 60061
TEL 847.478.9700 ■ FAX 847.478.9701

820 Lakeside Drive, Suite 5, Gurnee, IL 60031
TEL 847.855.1100 ■ FAX 847.855.1115

www.gha-engineers.com

Mr. Martin McLaughlin
President
Village of Barrington Hills
112 Algonquin Road
Barrington Hills, Illinois 60010

Re: 2013 Village Road Program
Bid Recommendation

Dear Mr. McLaughlin:

On Thursday, May 16, 2013 at 2:00 PM bids for the above referenced project were received, opened and read aloud at the Village Hall. Attached are the bid tabulations and summary of the bids received along with the engineer's estimate of probable cost. The 2013 Road Program includes patching and resurfacing operations on Spring Creek Road and Three Lakes Road, as well as intermittent patching on Haeger's Bend Road, River Road, Meadow Hill Road, and Old Hart Road.

A total of five bids were received for this year's road program. The low bidder was Arrow Road Construction of Crystal Lake, IL. Arrow submitted a bid of \$697,430.10. Geske & Sons, Inc. of Crystal Lake, IL submitted the second lowest bid at \$698,423.75. The Engineer's Opinion of Probable Cost for this project was \$728,033.00; the amount in the FY 2013 budget for "Road Maintenance Contracts" is \$710,000.00.

Arrow Road Construction has worked previously in the Village, completing the 2006, 2007, and 2011 Road Programs in the Village of Barrington Hills among others, and our office has worked with them on several other projects in the area over the past several years. Generally we have had very few problems with the quality of their work.

We recommend that the Village Board award the 2013 Road Program work package to Arrow Road Construction in the amount of \$697,430.10.

Lastly, as with any other construction project, it is recommended that the Village Board factor in a 10% contingency factor for additions or changes due to unforeseen conditions (generally below grade) to the proposed construction improvements. As always our office will keep the board apprised of any significant changes in the project scope. We anticipate the starting date for the 2013 Road Program would be late June or early July, depending on completion of the 2013 Drainage Program. The contract specifies a completion date of September 6, 2013.

Sincerely,
Gewalt Hamilton Associates, Inc.



Daniel J. Strahan, P.E., CFM
Assistant Village Engineer

cc: Patty Meroni, Road and Bridges Chair
Robert Kosin, Village Administrator

Date: May 16, 2013

Time: 2:00 p.m.

Location: Village of Barrington Hills
112 Algonquin Road
Barrington Hills, IL 60010

Prepared by: Lori Hinderliter
Checked by: Daniel J. Strahan, P.E.

BID TABULATION

2013 Road Program - Non MFT
Village of Barrington Hills
Barrington Hills, IL
GHA PROJECT #9355.129



CONSULTING ENGINEERS

850 Forest Edge Drive, Vernon Hills, IL 60061
TEL 847.478.9700 ■ FAX 847.478.9701

820 Lakeside Drive, Suite 5, Gurnee, IL 60031
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Pay Item Description	Quantity	Unit	Engineers Cost Estimate		Arrow Road Construction Mt. Prospect, IL		Geske & Sons, Inc. Crystal Lake, IL			
			Unit Price	Value	Unit Price	Value	Unit Price	Value		
1 HMA Surface Removal, 3"	570.0	SY	\$8.00	\$4,560.00	\$6.85	\$3,904.50	\$4.50	\$2,565.00		
2 HMA Surface Removal- Butt Jt	776.0	SY	\$7.50	\$5,820.00	\$7.85	\$6,091.60	\$6.50	\$5,044.00		
3 HMA Driveway Pavement Rem.	781.0	SY	\$8.00	\$6,248.00	\$7.80	\$6,091.80	\$8.00	\$6,248.00		
4 HMA Driveway Pavement, 3"	781.0	SY	\$31.00	\$24,211.00	\$28.70	\$22,414.70	\$11.20	\$8,747.20		
5 Rem.&Disp. Unsuitable Mat-SP	100.0	CY	\$30.00	\$3,000.00	\$10.00	\$1,000.00	\$10.00	\$1,000.00		
6 Porous Granular Embankment	100.0	CY	\$20.00	\$2,000.00	\$14.70	\$1,470.00	\$15.00	\$1,500.00		
7 Geotech Fabric for Grd Stab.	300.0	SY	\$2.00	\$600.00	\$6.05	\$1,815.00	\$1.50	\$450.00		
8 Agg Base Course, Type B	100.0	CY	\$20.00	\$2,000.00	\$27.30	\$2,730.00	\$15.00	\$1,500.00		
9 Class D Patches, TY I-IV, 6"-SP	3,765.0	SY	\$38.00	\$143,070.00	\$41.20	\$155,118.00	\$40.75	\$153,423.75		
10 Rem & Repl Brick DW Pave-SP	240.0	SF	\$15.00	\$3,600.00	\$20.00	\$4,800.00	\$8.93	\$2,143.20		
11 Bit. Materials (Prime Coat)	3,930.0	GAL	\$1.50	\$5,895.00	\$2.35	\$9,235.50	\$2.40	\$9,432.00		
12 Aggregate (Prime Coat)	78.5	TN	\$5.00	\$392.50	\$1.00	\$78.50	\$1.00	\$78.50		
13 Aggregate Surface course, TY B	114.0	TN	\$35.00	\$3,990.00	\$13.65	\$1,556.10	\$45.00	\$5,130.00		
14 Level Binder (MM) N50, 1"	2,216.0	TN	\$65.00	\$144,040.00	\$64.85	\$143,707.60	\$63.10	\$139,829.60		
15 HMA Surface Course, Mix C, N50	4,432.0	TN	\$68.00	\$301,376.00	\$62.70	\$277,886.40	\$64.25	\$284,756.00		
16 Paint Pavement Mark.-Line, 24"	24.0	FT	\$7.00	\$168.00	\$14.60	\$350.40	\$21.00	\$504.00		
17 Aggregate Shoulder, Ty B	25.0	TN	\$35.00	\$875.00	\$109.45	\$2,736.25	\$82.00	\$2,050.00		
18 Topsoil Furnish & Place, 3"	11,125.0	SY	\$2.50	\$27,812.50	\$3.00	\$33,375.00	\$3.68	\$40,940.00		
19 Seeding, Class 2A	11,125.0	SY	\$1.00	\$11,125.00	\$0.15	\$1,668.75	\$0.84	\$9,345.00		
20 Erosion Control Blanket	11,125.0	SY	\$2.00	\$22,250.00	\$0.80	\$8,900.00	\$1.10	\$12,237.50		
21 Traffic Control & Protection-SP	1.0	LS	\$15,000.00	\$15,000.00	\$12,500.00	\$12,500.00	\$11,500.00	\$11,500.00		
sub-total:				\$728,033.00	sub-total:		\$697,430.10	sub-total:		\$698,423.75
					<i>as read:</i>		\$697,430.10	<i>as read:</i>		\$698,423.75

I, **Daniel J. Strahan, P.E.**

, HEREBY CERTIFY THAT THE ABOVE IS A TRUE AND CORRECT SUMMARY OF PROPOSALS RECEIVED:

Date: May 16, 2013

Time: 2:00 p.m.

Location Village of Barrington Hills
112 Algonquin Road
Barrington Hills, IL 60010

Prepared by: Lori Hinderliter

Checked by: Daniel J. Strahan, P.E.

BID TABULATION

2013 Road Program - Non MFT

**Village of Barrington Hills
Barrington Hills, IL
GHA PROJECT #9355.129**



CONSULTING ENGINEERS

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Pay Item Description	Quantity	Unit	Curran Contracting Crystal Lake, IL		Schroeder Asphalt Serv. Huntley, IL		J.A. Johnson Paving Arlington Heights, IL	
			Unit Price	Value	Unit Price	Value	Unit Price	Value
1 HMA Surface Removal, 3"	570.00	SY	\$8.00	\$4,560.00	\$4.50	\$2,565.00	\$5.00	\$2,850.00
2 HMA Surface Removal- Butt Jt	776.00	SY	\$8.00	\$6,208.00	\$8.00	\$6,208.00	\$5.00	\$3,880.00
3 HMA Driveway Pavement Rem.	781.00	SY	\$5.95	\$4,646.95	\$13.00	\$10,153.00	\$8.00	\$6,248.00
4 HMA Driveway Pavement, 3"	781.00	SY	\$21.95	\$17,142.95	\$24.00	\$18,744.00	\$18.00	\$14,058.00
5 Rem.&Disp. Unsuitable Mat-SP	100.00	CY	\$25.00	\$2,500.00	\$29.00	\$2,900.00	\$60.00	\$6,000.00
6 Porous Granular Embankment	100.00	CY	\$40.00	\$4,000.00	\$32.00	\$3,200.00	\$0.01	\$1.00
7 Geotech Fabric for Grd Stab.	300.00	SY	\$3.00	\$900.00	\$0.80	\$240.00	\$1.00	\$300.00
8 Agg Base Course, Type B	100.00	CY	\$32.00	\$3,200.00	\$28.00	\$2,800.00	\$30.00	\$3,000.00
9 Class D Patches, TY I-IV, 6"-SP	3,765.00	SY	\$40.00	\$150,600.00	\$38.00	\$143,070.00	\$42.00	\$158,130.00
10 Rem & Repl Brick DW Pavement-SP	240.00	SF	\$15.00	\$3,600.00	\$12.36	\$2,966.40	\$11.00	\$2,640.00
11 Bit. Materials (Prime Coat)	3,930.00	GAL	\$1.80	\$7,074.00	\$0.01	\$39.30	\$0.01	\$39.30
12 Aggregate (Prime Coat)	78.50	TN	\$1.00	\$78.50	\$1.00	\$78.50	\$1.00	\$78.50
13 Aggregate Surface course, TY B	114.00	TN	\$64.50	\$7,353.00	\$15.00	\$1,710.00	\$15.00	\$1,710.00
14 Level Binder (MM) N50, 1"	2,216.00	TN	\$66.00	\$146,256.00	\$74.00	\$163,984.00	\$75.00	\$166,200.00
15 HMA Surface Course, Mix C, N50	4,432.00	TN	\$66.00	\$292,512.00	\$74.00	\$327,968.00	\$77.00	\$341,264.00
16 Paint Pavement Mark.-Line, 24"	24.00	FT	\$50.00	\$1,200.00	\$21.00	\$504.00	\$32.00	\$768.00
17 Aggregate Shoulder, Ty B	25.00	TN	\$50.25	\$1,256.25	\$30.00	\$750.00	\$50.00	\$1,250.00
18 Topsoil Furnish & Place, 3"	11,125.00	SY	\$4.00	\$44,500.00	\$0.01	\$111.25	\$3.00	\$33,375.00
19 Seeding, Class 2A	11,125.00	SY	\$0.60	\$6,675.00	\$1.03	\$11,458.75	\$1.20	\$13,350.00
20 Erosion Control Blanket	11,125.00	SY	\$1.25	\$13,906.25	\$4.64	\$51,620.00	\$1.50	\$16,687.50
21 Traffic Control & Protection-SP	1.00	LS	\$27,450.00	\$27,450.00	\$5,000.00	\$5,000.00	\$25,800.00	\$25,800.00
				sub-total: \$745,618.90	sub-total: \$756,070.20	sub-total: \$797,629.30		
				as read: \$745,618.90	as read: \$745,070.20	as read: \$797,629.30		

I, **Daniel J. Strahan, P.E.**

, HEREBY CERTIFY THAT THE ABOVE IS A TRUE AND CORRECT SUMMARY OF PROPOSALS RECEIVED: