

To: Clerk @VBH
Bob Kosin
Dan Strahan

ROADS AND BRIDGES MONTHLY REPORT
August 2011

Construction Updates

The road construction program has been completed for 2011. Remaining resurfacing, shoulder repair/fill on Oak Knoll Road west of BHCC service road has been completed.

Horse crossing signs remain to be placed on Buckley Road.

2011 Major Drainage Project

Agreement with the remaining landowner on the north side of Chapel Road has been reached and will be prepared and signed in sufficient time for the Village to go forward with this project this fall.

Culvert Replacements

The 2011 Culvert Replacements have been completed, 2 on Ridge Road, 2 on Hawthorne Lane and 1 on River Road.

Power Outage Update

The McHenry County Department of Transportation held a meeting on Thursday, September 15, to discuss future outages and how to manage them. Battery backup remains the standard solution, but many communities are looking into purchasing generators for primary intersections.

Given the response from IDOT, the various municipalities are pursuing solutions on their own.

On Tuesday, September 20, at the monthly Roads and Bridges Meeting, Diane Emerson of ComEd joined us for a discussion of the outage and the extreme pressures the prolonged outage created for not only the 35,000 plus commuters daily on Route 62, and 50,000 plus on Route 59, but on the Village's communication system and police department in handling the endless calls and complaints.

Ms. Emerson was unaware of IDOT's response to the Village's earlier request through Gewalt Hamilton for generators and the fact that padlocks either have been or will be installed on all traffic signals. She was quite shocked at their response and took a copy of the response to pursue through ComEd.

During the meeting the use of generators, automatic switching, and the possibility of converting at least the signals at Routes 59 and Brinker Road to the same power feed in order to simplify and expedite repair and service was discussed and she will check into having this done and get back to Bob Kosin.

The importance of Route 62 as an arterial road, and particularly to its critical function in the event of an emergency (i.e., natural disaster, terrorist event/attack) as an evacuation route raises the need for a reliable, long term backup solution. ComEd will approach the problem from this position.

Intergovernmental Cooperation Between the Village of Barrington Hills and Cuba Township

Agreement has been reached with Cuba Township to begin a sign program whereby Cuba Township will make customized signs, do repairs and replacements on blanks. The program will be launched this fall with seasonal (truck weight limits) and thru truck signs.

Roadside Mowing

Roadside mowing has been the week of June 20 and August 29 on approximately 22 miles of village roads.

The bill for this in the amount of \$6,238 has been recommended for payment by the village engineer.

Planning

Planning for the 2012 Road Program as well as the Drainage and Culvert Replacements were discussed and detailed analysis reports were submitted by Dan Strahan of Gewalt Hamilton.

Phase One Design Engineering Services are also required by both Illinois and Federal safety requirements regarding the Cuba Road Bridge which dates to 1920. Application for funding will be through the IDOT Highway Bridge Program.

The 2012 Road Program is being finalized preparatory the budget process and will be submitted by October 1st.

Patty Meroni
Chair, Roads and Bridges

September 23, 2011

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Mr. Robert Abboud
President
Village of Barrington Hills
112 Algonquin Road
Barrington Hills, Illinois 60010

Re: 2011 Drainage Program- Chapel & Church Road Improvements
Bid Recommendation

Dear Mr. Abboud:

On Thursday, September 22, 2011, 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.

A total of five bids were received for this year's drainage program. The low bidder was Schroeder Asphalt Services, Inc. of Huntley, IL. Schroeder submitted a total bid of \$429,638.00. Berger Excavating of Wauconda, IL submitted the second lowest bid at \$435,235.48. The Engineer's Opinion of Probable Cost for this project was \$324,207.00.

The bids received were substantially higher than anticipated. We had anticipated that bidding the projects together would reduce the overall cost of each project, as much of the material created by the excavation of the Church Road project could be utilized as fill needed for the Chapel Road project. Based on the unit prices for earth excavation it does not appear that this resulted in much of a decrease in the cost of the project. We have contacted each of the two low bidders to confirm that this was taken into account in the bid cost of the project.

Contractor Review

Our office has worked with both of the two lowest bidders previously. Most recently, we worked with Schroeder Asphalt Services, Inc. during completion of the Ela Township Town Hall project on Route 22, completed in 2008, as well as the 2009 Road Program in the Village of Golf. Results have been mixed, including problems with continuity on the jobsite and traffic control issues. Berger Excavating completed the onsite and Gilmer Road improvements for a project with the Wauconda Fire District, completed in 2009, as well as paving and watermain projects in the Village of Bannockburn in 2008 and 2010. Berger Excavating is an excellent contractor that regularly gets high marks from both our construction and engineering staff. A summary of the bid amounts is provided below:

	Schroeder Asphalt	Berger Excavating	Maneval Construction	A.Lamp Concrete	Copenhaver Construction
Church Road	\$212,614.95	\$191,898.73	\$201,124.85	\$233,770.00	\$216,677.50
Chapel Road	\$217,023.25	\$243,336.75	\$240,677.13	\$226,117.00	\$254,431.00
Total	\$429,638.00	\$435,235.48	\$441,801.98	\$459,887.00	\$471,108.50

All bids received were well above the amount budgeted for this project. Per the IDOT Standard Specifications for Road and Bridge Construction, a change in the scope of the contract would be considered a “significant change” (and thus would require that the low bidder be able to renegotiate the submitted unit prices) if it results in the alteration of the material character of the work or in a modification of 25% or more of any major bid items. Based on these regulations, we see two potential options available to the Village.

Option 1

If funds are available to cover the full cost of the project, the Village could award the project to Schroeder Asphalt Services, Inc. in the amount of \$429,638.00. This would prevent the Village from having to renegotiate time sensitive easements that have been secured with the property owners adjacent to the project. In addition, the Village can negotiate with Schroeder to determine if minor reductions in the scope of the project would reduce the overall contract cost to a more manageable amount.

Option 2

If it is determined that there are insufficient funds to cover the project cost, we would recommend that all bids be rejected, the budgeted amount be rolled over to next year, and the project be re-bid in the spring when additional funds are available. Though there may be sufficient funding to cover the costs of one of these two projects this year, such a reduction in the scope would give the contractor the right to renegotiate the controlling items and would be considered a “significant change”. When such a circumstance emerges prior to the awarding of the contract, it is preferable to re-bid the project.

I will be available at the meeting on Monday evening to discuss these options further with the Board.

Sincerely,
Gewalt Hamilton Associates, Inc.



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

cc: Robert Kosin, Village Administrator
Patty Meroni, Roads & Bridges Chair