

VILLAGE OF BARRINGTON HILLS

Roads & Bridges Committee NOTICE OF SPECIAL MEETING



Tuesday, October 20, 2015 ~ 3:00 pm
112 Algonquin Road

AGENDA

1. Call to Order & Roll Call
2. Public Comments
3. [Vote] [Minutes August 18, 2015](#)
4. [Vote] [Minutes September 10, 2015](#)
5. Discussion Items
 - 5.1 [2015 Road Program Update](#)
 - 5.2 [Cook County Department of Transportation & Highways IGA- Brinker Road](#)
 - 5.3 2015-2016 Snow Plowing
 - 5.4 [Cuba Road Bridge Construction Update](#)
 - 5.5 [2016 Roads & Bridges Budget](#)
6. Adjournment

Chairman: Brian Cecola

NOTICE AS POSTED

VILLAGE OF BARRINGTON HILLS
Roads & Bridges Committee
Meeting Minutes
August 18, 2015



Committee Members Present: Trustee Brian Cecola, Chair
Robert Kosin, Director of Administration
Dan Strahan, Village Engineer
Linda Cools, Resident
Richard Frankiewicz, Resident

1. ORGANIZATIONAL: The meeting of the Village of Barrington Hills Roads & Bridges Committee was called to order at 3:00 p.m. by Chairman Cecola.

2.1 APPROVAL OF MINUTES: The minutes of the Roads & Bridges Committee Meeting of July 20, 2015 were approved as written.

3. PUBLIC COMMENTS: Linda Cools addressed the Committee regarding the proposed solar mobile speed sign item of the agenda. Ms. Cools posed several questions regarding cost, location, and operational details. A written copy of Ms. Cools' questions is attached.

4.1 CUBA ROAD BRIDGE UPDATE: It was noted that the project was published in the IDOT Transportation Bulletin on August 14, 2015, with bids due on September 18, 2015. Coordination is in progress with the utility agencies that are relocating facilities adjacent to the bridge.

4.2 2015 ROAD PROGRAM: A preconstruction meeting was held with the contractor on Tuesday, August 11 and resident notices will be going out the week of August 17.

4.3 OLD HART ROAD BRIDGE REPAIRS: Mr. Strahan reviewed the scope of the proposed project based on a structural inspection completed by Wiss, Janney, Elstner Associates, Inc. The project would include a repair to the east bridge deck soffit of the Old Hart Road bridge as well as guardrail improvements. The project could be bid as early as September.

Mr. Kosin recommended that the details of the project be presented to the Village Board for their concurrence to initiate the bid process. Trustee Cecola concurred and recommended that the information be presented at the August 24 Board of Trustees Meeting.

4.4 2015 MISC. DRAINAGE PROGRAM: Mr. Strahan reviewed four locations where minor drainage maintenance work is needed and requested direction to prepare a bid package or request a quote from Cuba Township for the work. Mr. Kosin noted that Cuba Township had also provided pricing to complete 2" surface patching on Village Roads. After discussion it was determined that pricing would be requested from Cuba Township for the maintenance work.

4.5 2015-2019 ROAD PROGRAM: Mr. Strahan provided background material noting previous options had been presented for board consideration. Mr. Strahan recommended that a target of 3.2 miles of resurfacing per year be maintained. Trustee Cecola requested that a summary be provided at the August Village Board meeting.

4.6 STATE AND COUNTY ROAD UPDATES: It was noted that a preconstruction meeting had been held for the Otis Road resurfacing project on August 5, 2015. Resurfacing is planned on Otis Road from Dundee Ave. to Brinker Road. A project completion date of November 25th had been provided by the County. Mr. Strahan had requested that the County consider additional patching beyond the project limits based on the current condition of Otis Road and Brinker Road.

A meeting will be scheduled with Cook County Superintendent John Yonan to review anticipated resurfacing schedule for Brinker Road.

Mr. Kosin noted that IDOT had completed retaining wall improvements at the intersection of Old Dundee and IL 68/59.

4.7 FUNCTIONAL CLASSIFICATION STATUS – RIDGE & PLUM TREE : Mr. Strahan provided an updated on the recent request to lower the functional classification of Ridge Road and Plum Tree Road from Minor Arterial to Major Collector. IDOT had recommended this lower classification in response to the original request to lower the classification to Local Streets. Mr. Strahan reported that a follow-up request had been made to the McHenry County Council of Mayors, and the Council noted a letter of support would be needed from the Village of Lake Barrington. Lake Barrington had responded to the Village's request and indicated that they were not in support of the proposed functional classification change.

Mr. Kosin noted he would contact Lake Barrington to review the request.

4.8 LAKEVIEW LANE DRAINAGE: Mr. Strahan noted that a meeting was held with Mr. Keady regarding Lakeview Lane drainage. Village staff had proposed that drainage improvements could be made within the Lakeview Lane right-of-way, but any improvements within private property would need to be funded by the residents. It was noted that the right-of-way improvements could be completed as part of the 2016 Road Program as Lakeview Lane is tentatively scheduled for resurfacing.

It was noted that minor ditch maintenance on Lakeview Lane would be included in the drainage maintenance items planned to be completed this fall.

4.9 ENBRIDGE ENERGY LINE 6A MAINTENANCE – SPRING CREEK ROAD: Mr. Strahan noted that the Village had received notice from Enbridge regarding planned pipeline maintenance within the ComEd right-of-way just south of Spring Creek Road. The maintenance was planned as the result of regular testing of the pipeline completed by Enbridge. Mr. Kosin noted that overweight permit fees apply to the project.

5. ADJOURNMENT: The meeting was adjourned at 3:52 PM.

VILLAGE OF BARRINGTON HILLS
Roads & Bridges Committee
Special Meeting Minutes
September 10, 2015



Committee Members Present: Trustee Brian Cecola, Chair
Robert Kosin, Director of Administration
Dan Strahan, Village Engineer

1. ORGANIZATIONAL: The meeting of the Village of Barrington Hills Roads & Bridges Committee was called to order at 4:31 p.m. by Chairman Cecola.

2. PUBLIC COMMENTS: None

3. NWMC MEMBERSHIP: Mr. Strahan reviewed that a meeting was held with the Cook County Department of Transportation & Highways the week of September 3, 2015 to discuss the condition of Brinker Road and the County's plans for resurfacing. At the meeting County Superintendent Yonan noted that funding limitations have arisen due to the state budget impasse and suggested that the Village apply for STP funding for Brinker Road as a joint project with the County. Cook County would pay for the local share of construction costs and reimburse the Village for engineering costs. Superintendant Yonan provided a sample IGA to the Village for review.

Mr. Strahan noted that the concept had been reviewed with Mike Walczak, the Planning Liason for the Northwest Council of Mayors, and that the Council could consider a request from the Village for the Cook County portion of Barrington Hills to be added to the Northwest Council.

Trustee Cecola recommended that the topic of joining the Northwest Council of Mayors be presented to the Village Board for consideration.

4 LAPP APPLICATION BRINKER ROAD DISTRICT 1 COOK COUNTY DOT: Mr. Strahan noted that in conversation with Mike Walczak a Call for Projects had been issued for STP funding, with responses due by September 11, 2015. Mr. Strahan reviewed the details of the programming methodology for the Northwest Council.

Trustee Cecola recommended that the Village Engineer submit a project application for Brinker Road to the Northwest Council of Mayors.

5 ROAD SURFACE REPAIR PROGRAM CUBA TOWNSHIP ROAD DISTRICT: Mr. Kosin noted that a number of roads had been identified as candidates for surface patching. Mr. Strahan noted that quantities would be forwarded to Cuba Township once the 2015 Road Program contract work costs were better defined.

6. ADJOURNMENT: The meeting was adjourned at 4:43 PM.

MEMORANDUM

To: Robert Kosin, VBH Director of Administration
Brian Cecola, VBH Chairman Roads & Bridges

From: Dan Strahan, P.E., CFM
Gewalt Hamilton Associates (GHA)

Date: October 15, 2015

Re: 2015 Road Program

Construction operations for the 2015 Road Program are expected to be completed by Friday, October 16, 2015. Final landscaping is being completed this week. Often some rutting of the topsoil occurs after the final landscaping has been completed. Typically we wait until the grass has become established before repairing ruts to avoid multiple trips to repair repeated rutting.

The total cost of the 2015 Road Program, funded primarily through the Roads & Bridges Fund and supplemented by Motor Fuel Tax (MFT) dollars, will be approximately \$1,020,000.00, approximately 3% below the contract amount of \$1,056,363.05. Below is a summary of the work completed:

- Patching and resurfacing on Plum Tree Road (west of Ridge Road), Meadow Hill Road (Fox Hunt Lane to Spring Creek Road), and Haegers Bend Road (County Line Road north to Chapel Road, as well as resurfacing of Rebecca Lane and Tricia Lane which were added to the project after patching requirements were less than anticipated. Including the additional roads, the total length of roads resurfaced was 3.94 miles.
- Patching was completed on Ridge Road and Helm Road, extending the life of the roads and lowering their future resurfacing costs.
- Culvert replacements and other drainage improvements were completed on Haegers Bend Road.

Typically 2% retention will be held over the winter to allow for completion of punchlist work or any issues that arise in the early spring. Any concerns or questions regarding the work can be directed to my attention at dstrahan@gha-engineers.com.



Dan Strahan <dstrahan@gha-engineers.com>

Brinker Road Application

Mike Walczak <MikeW@nwmc-cog.org>
To: Dan Strahan <dstrahan@gha-engineers.com>

Fri, Oct 2, 2015 at 3:09 PM

Dan,

The Committee did not recommend that the village join the Northwest Council at this time, preferring to follow CMAP's standard procedures and wait until the next census and reconsider then.

However, the application itself was approved, with the funding moved to our Multi-Year B list. They would like you or a representative from the village to discuss the project at our next meeting (no date has been set, but it will likely be in January). We discussed the opportunity of funding the project as a "one-off" with the Northwest Council transferring funding to McHenry Council.

I'll let you know when the next meeting is scheduled.

Please let me know if you have any questions,

Mike

Michael Walczak

Transportation Director

Northwest Municipal Conference

1600 East Golf Road #0700

Des Plaines, IL 60016

847-296-9200 x 134

mwalczak@nwmc-cog.org

Twitter @NWMTrans

From: Dan Strahan [<mailto:dstrahan@gha-engineers.com>]
Sent: Friday, October 02, 2015 12:12 PM

To: Mike Walczak

Subject: Brinker Road Application

[Quoted text hidden]

MEMORANDUM

To: Robert Kosin, VBH Director of Administration
Brian Cecola, VBH Chairman Roads & Bridges

From: Dan Strahan, P.E., CFM
Gewalt Hamilton Associates (GHA)

Date: October 16, 2015

Re: Cuba Road Bridge Replacement Project
Status Update

The following is a summary of the current status of the Cuba Road Bridge project.

Bridge Construction

A preconstruction meeting has been schedule at IDOT for Thursday, October 20, 2015. Based on preliminary discussion with Copenhaver Construction they intend to start the project as soon as possible, which could be as early as Monday, November 2, 2015.

The plans require a minimum two week notice prior to implementation of the detour route for the bridge closure. Once confirmation of the construction schedule is received, notice of the bridge closure will go out to the bus companies, Cuba Township, waste haulers, police and fire deparments, and the post office. Information will also be provided to the Village for communication through various outlets.

Utility Relocation

Nicor began the gas main relocation work on Thursday, October 15, 2015 and will continue throughout the week of October 20, 2015. AT&T has submitted revised plans but has not yet indicated the schedule for the relocation of their facilities.

MEMORANDUM

To: Robert Kosin, VBH Director of Administration
Brian Cecola, VBH Chairman Roads & Bridges

From: Dan Strahan, P.E., CFM
Gewalt Hamilton Associates (GHA)

Date: October 15, 2015

Re: Proposed 2016 Roads & Bridges Budget

Below is our recommended budget request for the various line item expenditures within the Roads & Bridges Fund for 2016:

Revenue

Description	2015 Budget	2015 Actual Through 8/31/15	2016 Budget Request
Property Tax- Road & Bridge	\$1,564,000.00	\$1,361,322.72	\$1,564,000
Miscellaneous Revenue	\$52,800.00	\$99,393.66	\$108,000
Road & Bridge Twn Taxes	\$85,848.00	\$48,607.41	\$75,000
Total Revenue	\$1,702,648.00	\$1,509,323.79	\$1,747,000

Expenditures

Description	2015 Budget	2015 Actual Through 8/31/15	2016 Budget Request
Road Maintenance Contracts	\$986,846.10	\$31,375.57	\$912,000
Snow Plowing Contracts	\$260,000.00	\$148,476.30	\$240,000
Mowing/Cleanup Contracts	\$35,000.00	\$40,068.75	\$40,000
Sign Purchase/Installation	\$14,000.00	\$7,374.87	\$12,000
Drainage Management	\$120,000.00	\$158,315.33*	\$15,000
Engineer Fees	\$180,000.00	\$135,353.33	\$315,000
Road Stripping	\$1,000.00	\$241.75	\$25,000
Equipment Maintenance	\$4,000.00	\$314.00	\$1,000
Road Patching Contracts	\$15,000.00	\$8,484.45	\$15,000
Equipment Purchases	\$2,000.00	\$0.00	\$1,000
Bridge Inspections	\$8,000.00	\$5,550.00	\$7,500
Cuba Road Bridge Restoral Expenses	\$160,000.00	\$91,450.00	\$245,000
Total Expenditures	\$1,785,846.10	\$627,004.35	\$1,828,500

*Reflects double payment to contractor that will be adjusted in September per Treasurer; adjusted amount is \$93,659.07.

Below is a summary of the requested expenditure for each line item.

Road Maintenance Contracts

The largest component of the Roads & Bridges fund is typically the Road Maintenance Contracts line item and it is anticipated that this would be true for 2016. Based on a reduction in anticipated patching Rebecca Lane & Tricia Lane were added to the 2015 Road Program. This will allow Hawthorne Lane,

originally scheduled in 2017, to be moved up to 2016. The remaining roads scheduled for resurfacing in 2016 are as follows:

Street	From	To	Length (ft)	2016 Rehabilitation Cost
WoodcreekR	Dundee Road	Terminus	2,494	\$139,000.00
HelmRd	Algonquin Road	Village Limits	4,249	\$289,000.00
HealyRd	Dundee Road	Penny Road	4,263	\$229,000.00
TamarackLn	Old Sutton Road	Terminus	1,081	\$39,000.00
LakeViewLn	Dundee Road	Terminus	1,960	\$94,000.00
HawthorneLn	Route 59	Otis Rd	1,124	\$55,000.00
<i>TOTAL:</i>			<i>15,171 = 2.87 Miles</i>	<i>\$845,000</i>

In addition to the roads above, approximately 1200' of Spring Creek Road is anticipated to be resurfaced pursuant to an IGA with the Village of Algonquin. The anticipated costs to the Village for this work per the IGA is \$67,230.00.

The Village Road Program described above coupled with the Spring Creek Road Improvements would resurface 3.10 miles of road at a cost of approximately \$912,000.00.

Snow Plowing Contracts

Snow plowing expenses, as established through the IGA with Cuba Township, are based on an annual fee (billed in six installments between November and April) that increases 3% annually in addition to the cost of materials which is billed separately. The budgeted amount was raised from \$200,000 in 2014 to \$260,000 in 2015 based on exceeding the budgeted amount in 2014 (actual spent was \$206,444.76) and increases in unit prices provided by Cuba Township. Based on the amount spent to date for we anticipate that these costs will be well below the budgeted amount for 2015.

The National Weather Service indicates that the 2014-2015 winter season produced 50.7" of snowfall, above the average annual snowfall total of 36.7". Salt prices for the 2015-2016 season are projected to rise from \$54.65/TN last season to \$73.70/TN. We would recommend a budget amount of \$240,000 for snow plowing costs during the 2016 budget year.

Mowing/Cleanup Contracts

This line item reflects costs for roadside mowing contracts as well as tree and brush cleanup after storm events. As a result expenditures can fluctuate based on the number of severe storm events in a given year. The budget was lowered slightly from \$40,000 in 2014 to \$35,000 in 2015 and was exceeded. We would recommend the budgeted amount for 2016 be \$40,000.

Sign Purchase/Installation

Typically \$12,000-\$14,000 is budgeted to cover replacement of various signage and miscellaneous requests over the course of the year. As spending appears to be below the amount budgeted for 2015, we recommend the 2016 budget amount be reduced slightly to \$12,000.

Drainage Management

The 2015 budgeted amount included the costs associated with the Merri Oaks Road Drainage project. No large drainage projects are anticipated in 2016. Typical culvert replacements will be included in the 2016 Road Program. We recommend a budget amount of \$15,000 to cover any unanticipated culvert replacements or ditch grading that may be required.

Engineer Fees

Typically this budget amount covers engineering fees for design and construction of the road and drainage programs, associated resident coordination, Roads & Bridges meetings, and various other tasks that arise over the course of the year. The amount budgeted for 2015 for these tasks was \$180,000.00.

For 2016, the budgeted amount should also cover expenditures for engineering fees associated with the Cuba Road Bridge replacement as these fees are paid initially by the Village with 80% reimbursement by IDOT (as described below this process is reversed for construction costs paid to the contractor). The approved Phase III engineering contract is \$135,359.90. Accordingly we recommend that the budgeted expenditure for Engineer Fees be increased to \$315,000, noting that 80% of the engineering contract amount (approximately \$108,000) will come back to the Roads & Bridges fund as "Miscellaneous Revenue" after reimbursement is received from IDOT.

It is noted the Phase III engineering costs for the bridge are federally funded. While payment is received through IDOT, these funds are not impacted by the state's budget situation.

Road Striping

Three Village roadways (Haegers Bend Road, Ridge Road, and Plum Tree east of Ridge) with paint pavement markings (double yellow centerline and white edge markings) are restriped on a bi-annual basis. The restriping work last occurred in 2014, so we recommend that the roads be restriped in 2016 with a corresponding budget amount of \$25,000.00.

Equipment Maintenance

Traditionally \$4,000 has been budgeted to cover annual maintenance costs for the solar mobile speed sign; however, the sign was not utilized in 2015 and it is not anticipated that it will go back into service. We recommend this line item be reduced to \$1,000.00.

Road Patching Contracts

The amount budgeted typically covers cold patching completed during the winter and early spring or under emergency circumstances. This patching is separate from the patching completed during the annual road program. The budget is typically driven by late winter/early spring weather conditions as freeze thaw cycles damaged susceptible pavements. We would recommend maintaining the 2015 budget amount of \$15,000.00.

Equipment Purchases

No specific equipment purchases are anticipated in 2016. We recommend a budget amount of \$1,000 to cover any minor purchases that arise during the year.

Bridge Inspections

The Village maintains four bridges that require bi-annual inspections. Upon completion the new Cuba Road Bridge will be subject to bi-annual inspections in lieu of the quarterly inspections currently required. The Green Rail Bridge (Oak Knoll), the Porter Bridge (Oak Knoll), and the Spring Creek Road culverts each require a bi-annual inspection in 2016.

Based on our initial discussions with Wiss, Janney, Elstner, we recommend a budget amount of \$8,500.

Cuba Road Bridge Restoral Expenses

The Cuba Road Bridge is scheduled to be replaced with construction beginning in November or December of 2015 and concluding by May of 2016. As the project is receiving federal Highway Bridge Program Funds, IDOT will pay the initial construction costs and then the Village will be required to reimburse IDOT the 20% local share of those construction costs.

Copenhaver Construction, Inc. submitted the low bid of \$1,103,087.10. A 20% share of this amount is \$220,617.42. We typically recommend a 10% contingency for construction projects; therefore, we would recommend that \$245,000 be budgeted for the Village's share of construction costs.