

AGENDA
SPECIAL TRANSPORTATION AND ROAD IMPROVEMENT COMMITTEE
Village of Hoffman Estates
April 27, 2015

Immediately Following Public Works & Utilities

Members:	Gary Stanton, Chairperson	Anna Newell, Trustee
	Karen Mills, Vice Chairperson	Gary Pilafas, Trustee
	Gayle Vandenberg, Trustee	Michael Gaeta, Trustee
		William McLeod, Mayor

I. Roll Call

NEW BUSINESS

1. Request authorization to award contract for the 2015 Street Revitalization Project to A Lamp Concrete Contractors, Inc. of Schaumburg, IL in the amount of \$5,505,834.
2. Request authorization to award contract for materials testing for the 2015 Street Revitalization Project to Applied GeoScience, Inc. of Schaumburg, IL (low proposal) in an amount not to exceed \$125,000.

II. Adjournment

**COMMITTEE AGENDA ITEM
VILLAGE OF HOFFMAN ESTATES**

SUBJECT: Request authorization to award contract for the 2015 Street Revitalization Project to A Lamp Concrete Contractors, Inc. of Schaumburg, IL in the amount of \$5,505,834.

MEETING DATE: April 27, 2015

COMMITTEE: Special Transportation and Road Improvement

FROM: Mike Hankey and Gary Salavitch

PURPOSE: The purpose of this item is to present the bids for the 2015 Street Revitalization Project and recommend approval of award of contract for this work.

DISCUSSION: Two bids were received on April 20, 2015 for this year’s project. A bid for the base contract was required along with a bid which included additional work on reconstructing Des Plaines Lane and resurfacing Eagle Way. A copy of the proposed street list and map are attached. The project scope consists of street reconstruction, resurfacing, surfacing patching, curb and gutter, lighting, storm and sanitary sewer, and sidewalk replacement on various streets. The bids are summarized below. The engineer’s estimate was \$5,860,619.15 for the base contract and \$6,298,893.45 for the alternate bid.

Name	Base Bid Cost	Alternate Bid Cost
Arrow Road Construction	\$6,219,847	\$6,710,549
A Lamp Concrete	\$5,505,834	\$5,925,225

The costs for the additional items included in the alternate bid from A Lamp Concrete are summarized below.

Item	From	To	Cost
Des Plaines Ln Reconstruction	Gerónimo St	Roselle Rd	\$281,599
Eagle Way Resurfacing	Lakewood Blvd	End of street	\$137,792

A Lamp Concrete is the current contractor for the Bode Road reconstruction project. A Lamp is qualified with the State for the type of work included in the contract scope and has capacity to

DISCUSSION: (Continued)

complete the project based on data from IDOT. To date, A Lamp's work on the Bode Road project has been acceptable. References with other communities were checked and found to be acceptable.

2015 Estimated Street Project Costs

Using the low base bid amount, the following table lists the total street project costs. Along with reconstruction and resurfacing in this contract, other services are included in the annual budget for street improvements. A separate contract for engineering / environmental services for material testing is required for the reconstruction and resurfacing work and is presented separately. The Village's shares of construction and Phase III engineering for Bode Road occurring in 2015 have already been accounted for and are not included in the summary below. The total estimated costs for the 2015 street project and related street work are summarized in the table below.

Table 1 – 2015 Estimated Street Related Project Costs

Item	Cost
Reconstruction, Resurfacing, and Surface Patching (low bid) – Base Bid	\$5,505,834
Material Testing (see agenda item this month)	\$125,000
Crack Sealing (later in 2015 through Municipal Partnering Initiative)	\$75,000
2016 Street survey data (bid later in 2015) and equipment	\$55,000
Storm Sewer televising (through Public Works)	\$50,000
Total	\$5,810,834

2015 Street Related Project Budget

The budget for all elements of street related project costs is summarized below. The 2015 budget for the total street project costs includes the following funding sources.

Table 2 - Current 2015 Street Project Budget Fund Sources

Funding Source	Estimated Amount
MFT	\$1,444,360
CDBG	\$215,000
Capital Revenues	\$2,365,310
Road Fund Balance	\$225,000
Capital Improvements	\$1,200,000
Total	\$5,449,670

Since the project costs in Table 1 are greater than the budgeted amount for all work in Table 2, funding beyond that in the 2015 budget is needed. The MFT account will have an estimated 2015 year-end balance of \$320,000 available. The accounting for MFT funds over the years has allocated amounts for the close out of Hassell Road, the local matches for both Bode Road construction and

DISCUSSION: (Continued)

Phase III engineering, as well as annual signal maintenance and sidewalk repairs done by Public Works. The State's recent action to take MFT funds away from communities as part of its 2015 fiscal year budget adjustments has been reflected in the MFT balance calculation. However any additional MFT reductions in 2015 by the State are unknown and not included. Public Works would need to use Water and Sewer funds for sanitary sewer repairs on two streets. Should they decide to proceed with this work, the funding is shown in the table below. Or if it is decided not to do this work through the street contract, the low bid cost would be reduced.

The table below shows the proposed revised 2015 project funding.

Table 3 – Proposed Budget Adjustments for Street Improvements

Funding Source	Estimated Amount
MFT	\$1,444,360
CDBG	\$215,000
New Revenues	\$2,365,310
Road Fund Balance	\$225,000
Capital Improvements	\$1,200,000
<i>Water & Sewer</i>	<i>\$36,680</i>
<i>MFT Balance</i>	<i>\$320,000</i>
Total	\$5,806,350

The difference between the total costs in Table 1 and the proposed budget total in Table 3 is shortage of about \$4,500. Additional funds are needed to cover this amount.

The base bid amount is essentially equal to the adjusted budget so adding work on either Des Plaines Lane or Eagle Way is not possible unless additional funding is provided. Between these two streets, Des Plaines Lane would be the priority. However, there is believed to be some sanitary repair or replacement work needed on Des Plaines Lane. The sanitary work is not in the scope of the reconstruction alternate bid and including it would require extra funds beyond what is shown in the alternate for reconstruction of Des Plaines Lane.

FINANCIAL IMPACT:

The section above describes the use of the remaining balance in the MFT fund for the overall project and potentially the use of Water and Sewer funds to pay for sanitary work if desired. The base bid amount from the low bidder is slightly above the proposed budget. Additional funds need to be identified to cover this amount.

RECOMMENDATION:

Request authorization to award the contract for the 2015 Street Revitalization Project to A Lamp Concrete Contractors, Inc. of Schaumburg, IL (low bidder) in the amount of \$5,505,834.

RECONSTRUCTION

STREET	BEGIN	END
BERNAY LN	CHARLEMAGNE DR	BRITTANY LN
CHESAPEAKE CT	CHESAPEAKE DR	END OF THE ST
DENNISON RD	DURHAM LN	FREDERICK LN
EMORY RD	HILLCREST BLVD	JAMISON LN
LANCASTER CT E	CHIPPENDALE RD	END OF THE ST
MOULIN LN	LABURNUM RD	CHARLEMAGNE DR
NEWARK LN	NEWTON ST	NOGALES ST
NEWPORT RD W	HAMPTON RD	LARCHMONT RD
NOTTINGHAM LN E	HILLTOP RD	CARLING RD
NOTTINGHAM LN W	ROSEDALE LN	GREENFIELD RD
OLMSTEAD DR	4473 WESTBURY DR	MUMFORD DR
SPRING MILL DR	BODE RD	OAK TREE CT

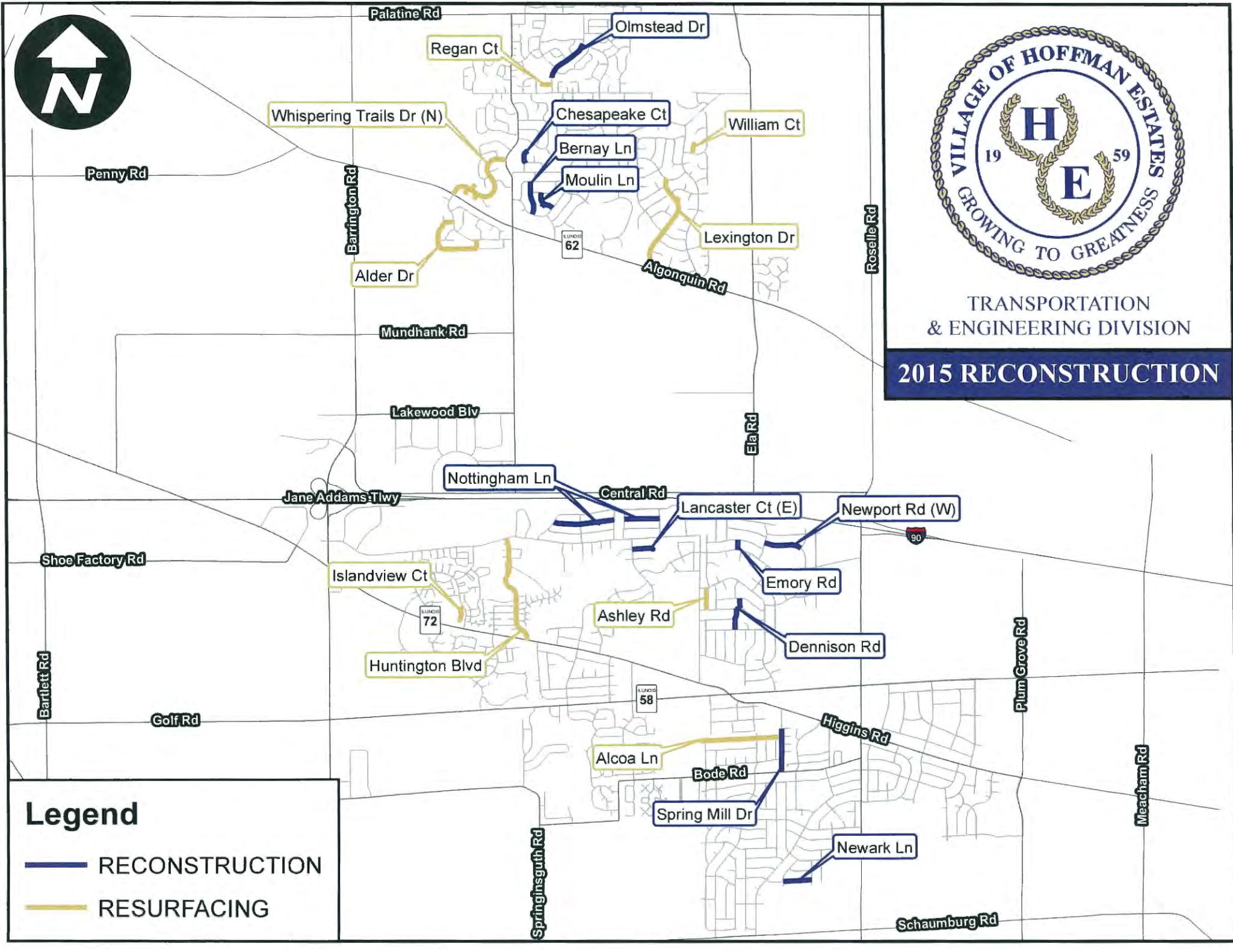
RESURFACING

STREET	BEGIN	END
ALCOA LN	SPRING MILL DR	END OF THE ST
ALDER DR	WHISPERING TRLS	WHISPERING TRLS
ASHLEY RD	EDGEMONT LN	HIGHLAND BLVD
HUNTINGTON BLV	HIGGINS RD	HASSELL RD
ISLANDVIEW CT	GOVERNORS LN	END OF THE ST
LEXINGTON DR	ALGONQUIN RD	HARRISON LN
REGAN CT	OLMSTEAD DR	END OF THE ST
WHISPERING TRAILS DR (N)	ALGONQUIN RD	HUNTINGTON BLVD
WILLIAM CT	DIXON DR	END OF THE ST



TRANSPORTATION
& ENGINEERING DIVISION

2015 RECONSTRUCTION



Legend

-  RECONSTRUCTION
-  RESURFACING

**COMMITTEE AGENDA ITEM
VILLAGE OF HOFFMAN ESTATES**

SUBJECT: Request authorization to award contract for materials testing for the 2015 Street Revitalization Project to Applied GeoScience, Inc. of Schaumburg, IL (low proposal) in an amount not to exceed \$125,000.

MEETING DATE: April 27, 2015

COMMITTEE: Special Transportation and Road Improvement Committee

FROM: Gary Salavitch / Michael Hankey

PURPOSE: To present the proposals for material testing for the 2015 Street Revitalization Project and recommend approval of award of contract for materials testing.

DISCUSSION: The Village received proposals for professional services for the testing portion of this year's street project. The proposals are summarized below and more detailed information is attached which lists the proposed unit costs per item.

Table 1: Proposal Summary

Firm	Estimated Cost
Applied GeoScience, Inc.	\$92,532.00
Construction & Geotechnical Material Testing, Inc.	\$104,135.00
Soil and Material Consultants, Inc.	\$142,640.96
Interra, Inc.	\$149,100.00
GSG Material Testing, Inc.	\$171,690.00
Testing Service Corporation	\$174,351.23
SEECO Consultants, Inc.	\$174,570.00

The hourly and daily costs were compared for various testing and evaluation requirements to estimate which proposal offered the most cost effective services. Applied GeoScience, Inc. of Schaumburg, Illinois, provides the lowest total cost based on estimated units of work. This company has worked on a number of Village street projects and has done an exceptional job. It is noted that the estimated cost is calculated by applying the unit costs for various tests and services to the estimated quantities likely to occur over the course of the project. Variations in these quantities are possible such as last year when the concrete shortage resulted in more days of testing which in

DISCUSSION: (Continued)

turn increased costs. In other years, unexpected environmental conditions have resulted in additional testing. The recommended “not to exceed” amount is higher than the estimated cost for two primary reasons. First is to allow for some contingency if unexpected circumstances are encountered that require more testing. The second is to include additional pavement cores on streets which are candidates for reconstruction and resurfacing over the next several years. The cost of these cores could take the contract to the “not to exceed” amount. Incorporating the cores into this year’s contract means the data will be received in time to assist with the design phase of future street projects.

FINANCIAL IMPACT:

The approved CIP budget includes \$125,000 for project related engineering services. This work is proposed to be funded from the Capital Revenues. Adequate funds are available to cover costs up to the maximum “not to exceed” amount for this contract.

RECOMMENDATION:

Request authorization to award contract for materials testing for the 2015 Street Revitalization Project to Applied GeoScience, Inc. of Schaumburg, IL (low proposal) in an amount not to exceed \$125,000.

Attachment

2015 STREET REVITALIZATION PROJECT MATERIAL TESTING

Services	Unit	Estimate Units	Applied GeoScience, Inc.		Construction & Geotechnical Material Testing, Inc.		Soil and Material Consultants, Inc.		Interra, Inc.	
HMA Inspection										
Plant/Field	Hour	352	\$68.00	\$23,936.00	\$73.50	\$25,872.00	\$88.69	\$31,218.88	\$94.00	\$33,088.00
HMA Laboratory Testing										
Asphalt Content	Each	15	\$80.00	\$1,200.00	\$80.00	\$1,200.00	\$175.00	\$2,625.00	\$250.00	\$3,750.00
Bulk Specific Gravity	Each	15	\$70.00	\$1,050.00	\$85.00	\$1,275.00	\$260.00	\$3,900.00	\$275.00	\$4,125.00
Maximum Specific Gravity	Each	15	\$70.00	\$1,050.00	\$80.00	\$1,200.00	\$100.00	\$1,500.00	\$175.00	\$2,625.00
Concrete Inspection										
Plant/Field	Hour	632	\$65.00	\$41,080.00	\$73.50	\$46,452.00	\$88.69	\$56,052.08	\$94.00	\$59,408.00
Concrete Testing										
Cylinder testing	Each	328	\$12.00	\$3,936.00	\$12.00	\$3,936.00	\$15.00	\$4,920.00	\$18.00	\$5,904.00
Cylinder pickup	Hour	80	\$35.00	\$2,800.00	\$40.00	\$3,200.00	\$85.00	\$6,800.00	\$60.00	\$4,800.00
Coring/Boring										
Geotechnical	Each	50	\$200.00	\$10,000.00	\$200.00	\$10,000.00	\$300.00	\$15,000.00	\$400.00	\$20,000.00
Environmental	Each	11	\$680.00	\$7,480.00	\$1,000.00	\$11,000.00	\$1,875.00	\$20,625.00	\$1,400.00	\$15,400.00
Total Estimated Cost				\$92,532.00		\$104,135.00		\$142,640.96		\$149,100.00

2015 STREET REVITALIZATION PROJECT MATERIAL TESTING

Services	Unit	Estimate Units	GSG Material Testing, Inc.		Testing Service Corporation		SEECO Consultants, Inc.	
HMA Inspection								
Plant/Field	Hour	352	\$113.75	\$40,040.00	\$116.87	\$41,138.24	\$120.00	\$42,240.00
HMA Laboratory Testing								
Asphalt Content	Each	15	\$150.00	\$2,250.00	\$90.00	\$1,350.00	\$195.00	\$2,925.00
Bulk Specific Gravity	Each	15	\$350.00	\$5,250.00	\$185.00	\$2,775.00	\$295.00	\$4,425.00
Maximum Specific Gravity	Each	15	\$150.00	\$2,250.00	\$40.00	\$600.00	\$120.00	\$1,800.00
Concrete Inspection								
Plant/Field	Hour	632	\$113.75	\$71,890.00	\$109.50	\$69,204.00	\$115.00	\$72,680.00
Concrete Testing								
Cylinder testing	Each	328	\$20.00	\$6,560.00	\$16.25	\$5,330.00	\$20.00	\$6,560.00
Cylinder pickup	Hour	80	\$50.00	\$4,000.00	\$60.00	\$4,800.00	\$95.00	\$7,600.00
Coring/Boring								
Geotechnical	Each	50	\$536.00	\$26,800.00	\$329.00	\$16,450.00	\$454.00	\$22,700.00
Environmental	Each	11	\$1,150.00	\$12,650.00	\$2,973.09	\$32,703.99	\$1,240.00	\$13,640.00
Total Estimated Cost				\$171,690.00		\$174,351.23		\$174,570.00