

**Meeting Members:**  
Karen Arnet, Chairperson  
Patrick Kinnane, Vice-Chairperson  
Gary Stanton, Trustee  
Karen Mills, Trustee  
Anna Newell, Trustee  
Gary Pilafas, Trustee  
William McLeod, Mayor

## Village of Hoffman Estates

### Special

#### Transportation and Road Improvement Committee Meeting Agenda

March 25, 2024

Immediately following Finance

Village Hall, 1900 Hassell Road, Hoffman Estates, IL 60169

*If online, insert URL.*

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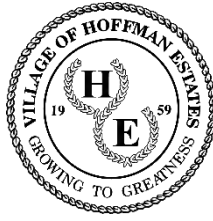
I. Roll Call

II. Public Comment

**NEW BUSINESS**

1. Request authorization to award contract for the 2024 Street Revitalization Project - Contract #2 to A Lamp Concrete Contractors, Inc., of Schaumburg, IL (low bid) in the amount of \$4,114,000.
2. Request authorization to award contract for materials testing for the 2024 infrastructure projects to Applied GeoScience, Inc. of Schaumburg, IL (low proposal) in an amount not to exceed \$110,820.

III. Adjournment



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**COMMITTEE AGENDA ITEM  
VILLAGE OF HOFFMAN ESTATES**

**SUBJECT:** Request authorization to award contract for the 2024 Street Revitalization Project - Contract #2 to A Lamp Concrete Contractors, Inc., of Schaumburg, IL (low bid) in the amount of \$4,114,000

**MEETING DATE:** March 25, 2024

**COMMITTEE:** Special Transportation and Road Improvement

**FROM:** Alan Wenderski, Director of Engineering  
Andy LoBosco, Senior Project Manager

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**PURPOSE:** To present the bids for the 2024 Street Revitalization Project - Contract #2 and recommend approval of award of contract for this work.

**BACKGROUND:** In previous years, the scope of the Street Revitalization Project included all Village street resurfacing/reconstruction work planned for the year under one contract. As part of the CIP process additional infrastructure improvement needs were identified in the same locations as planned street improvements. To ensure coordination of these improvements while limiting public inconvenience and taking advantage of economies of scale, the scope of the Street Revitalization Project was increased. Due to increased scope, the Street Revitalization Project has been separated into two contracts to ensure competition in bidding and allow for all improvements to be completed in one construction season.

Street Revitalization Project - Contract #2 includes two reconstruction streets, six resurfacing streets, and 2 standalone stormwater improvements locations. Among the eight street locations included in the project, substantial water, sanitary sewer, and stormwater improvements are also included at several locations for most locations.

**DISCUSSION:** Seven bids were received on March 18, 2024. A copy of the proposed street list and map for Contract #2 are attached. The project scope consists of street reconstruction, resurfacing, watermain replacement, sanitary and storm sewer replacement, curb & gutter, and sidewalk replacement on various streets. The engineer's estimate was \$4,327,461. A summary of the bids received is shown in Table 1.

**Table 1: Bid Summary**

<b>Contractor</b>	<b>Bid</b>
A Lamp Concrete Contractors	<b>\$4,114,000</b>
Schroeder Asphalt Services	\$4,299,000
Plote Construction	\$4,551,000
Brothers Asphalt Paving	\$4,659,808
Builders Paving	\$4,768,000
Martam Construction	\$5,381,118
M&J Asphalt Paving	\$6,086,728

The lowest qualified bid was approximately 5% below the engineer's estimate. A Lamp Concrete Contractors has worked on several previous street and utility improvement projects for the Village and was awarded Street Revitalization Project – Contract 1 earlier this year. Previous work was completed in an acceptable manner and A Lamp is listed by IDOT as qualified to perform this type of work.

**FINANCIAL IMPACT:**

The approved FY2024 budget allocated funding for street, water, sanitary sewer, and stormwater improvements for this project from several funding sources (Road Improvement, Water/Sewer, Stormwater Utility). See Table 2 below for low bid costs within each category.

**Table 2: Low Bid Cost Summary**

<b>Category</b>	<b>Low Bid Costs</b>
Streets	\$2,720,576
Water	\$437,574
Storm	\$464,252
Sanitary	\$491,598
<b>Total Low Bid Cost</b>	<b>\$4,114,000</b>

The low bid costs for Street Revitalization Project – Contract 2 represent a portion of total budgeted costs for each program category. While three projects have now been bid this year, costs for additional projects still to be bid will still be bid are estimated at this time and the total amount over/under budget within each program is not yet fully known. Summary of total costs to date for each program category are provided in Tables 4-7 in the appendix.

Budgeted funding within the categories of streets, stormwater, and sanitary sewer are estimated to be over budget. Details of funding for all categories are provided in Tables 8-11 in the appendix. Table 3 below summarizes the total required fund balance amounts to fully fund the programs. Sufficient fund balance is available to cover all estimated over budget amounts.

**Table 3: Proposed Fund Balance Usage**

Category	Low Bid Costs
Road Improvement Fund Balance (Streets)	\$740,666
General Fund Balance (Storm)	\$105,666
Water/Sewer Fund Balance (Sanitary)	\$92,389

Overages related to sanitary sewer and storm sewer are generally due to increased scope of work that was discovered during detailed project design. Overages in the street related costs are generally due to greater than expected price increases.

**RECOMMENDATION:**

Request authorization to award contract for the 2024 Street Revitalization Project - Contract #2 to A Lamp Concrete Contractors, Inc., of Schaumburg, IL (low bid) in the amount of \$4,114,000.

Attachments

-Appendix-

**Table 4: Total Street Revitalization Available Budget and Costs**

Project	Budget	Cost	(Over)/Under
Reconstruction/Resurfacing - Contract 1	\$3,155,000	\$3,787,000	(\$632,000)
Reconstruction/Resurfacing - Contract 2	\$2,059,000	\$2,720,576	(\$661,576)
Batavia Lane - Reconstruction	\$156,000	\$179,310	(\$23,310)
<i>Preventative Maintenance</i>	<i>\$200,000</i>	<i>\$200,000</i>	<i>\$0</i>
Material Testing	\$145,000	\$110,820	\$34,180
<i>Survey</i>	<i>\$25,000</i>	<i>\$25,000</i>	<i>\$0</i>
Total Street Revitalization Costs	\$5,740,000	\$7,022,706	(\$1,282,706)

Items in *italics* are estimates. Projects yet to be bid.

**Table 5: Total Water Main Replacement Available Budget and Costs**

Project	Budget	Cost	(Over)/Under
Batavia Lane - Water	\$195,000	\$260,386	(\$65,386)
Water Main - Street Revitalization - Contract 2	\$1,045,000	\$437,574	\$607,426
<i>Huntington Boulevard</i>	<i>\$1,607,300</i>	<i>\$1,607,300</i>	<i>\$0</i>
<i>Critical Sites</i>	<i>\$150,000</i>	<i>\$150,000</i>	<i>\$0</i>
Total Water Replacement Costs	\$2,997,300	\$2,455,260	\$542,040

Items in *italics* are estimates. Projects yet to be bid.

**Table 6: Total Stormwater Available Budget and Costs**

Project	Budget	Cost	(Over)/Under
Batavia Lane - Storm Sewer	\$350,000	\$455,666	(\$105,666)
Storm Sewer - Street Revitalization - Contract 2		\$464,252	(\$464,252)
<i>Stormwater Improvements - Various</i>	<i>\$2,170,000</i>	<i>\$1,705,748</i>	<i>\$464,252</i>
Total Sanitary Sewer Costs	\$2,520,000	\$2,625,666	(\$105,666)

Items in *italics* are estimates. Projects yet to be bid.

**Table 7: Total Sanitary Sewer Available Budget and Costs**

Project	Budget	Cost	(Over)/Under
Batavia Lane - Sanitary Sewer	\$200,000	\$210,791	(\$10,791)
Sanitary Sewer - Street Revitalization - Contract 2	\$200,000	\$491,598	(\$291,598)
<i>Critical Sites</i>	<i>\$210,000</i>	<i>\$0</i>	<i>\$210,000</i>
Total Sanitary Sewer Costs	\$610,000	\$702,389	(\$92,389)

Items in *italics* are estimates. Projects yet to be bid.

**Table 8: Total Street Revitalization Funding**

Program	Available Funding	Cost	(Over)/Under
Street Revitalization	\$5,740,000	\$7,022,706	(\$1,282,706)
Road Improvement Fund Balance (Water Savings)	\$542,040		\$542,040
Road Improvement Fund Balance	\$740,666		\$740,666
Total Street Revitalization Costs	\$7,022,706	\$7,022,706	\$0

**Table 9: Total Water Main Replacement Funding**

Program	Available Funding	Cost	(Over)/Under
Water Replacement	\$2,997,300	\$2,455,260	\$542,040
Total Water Replacement Costs	\$2,997,300	\$2,455,260	\$542,040
<i>Costs savings for water replacement is Road Improvement Fund Balance funding</i>			

**Table 10: Total Stormwater Funding**

Program	Available Funding	Cost	(Over)/Under
Storm Sewer	\$2,520,000	\$2,625,666	(\$105,666)
<i>General Fund Balance</i>	<i>\$105,666</i>		<i>\$105,666</i>
Total Storm Sewer Costs	\$2,625,666	\$2,625,666	\$0
<i>Total program costs are estimated at this time as future project bid pending</i>			

**Table 11: Total Sanitary Sewer Funding**

Program	Available Funding	Cost	(Over)/Under
Sanitary Sewer	\$610,000	\$702,389	(\$92,389)
Water/Sewer Fund Balance	\$92,389		\$92,389
Total Street Revitalization Costs	\$702,389	\$702,389	\$0

## VOHE 2024 Street Revitalization Project - Contract #2

### 2024 Reconstruction List

Street	Begin	End
ALMOND LN	HIGGINS RD	END OF THE ST
ASH RD	BATAVIA LN	HIGGINS RD

### 2024 Resurfacing List

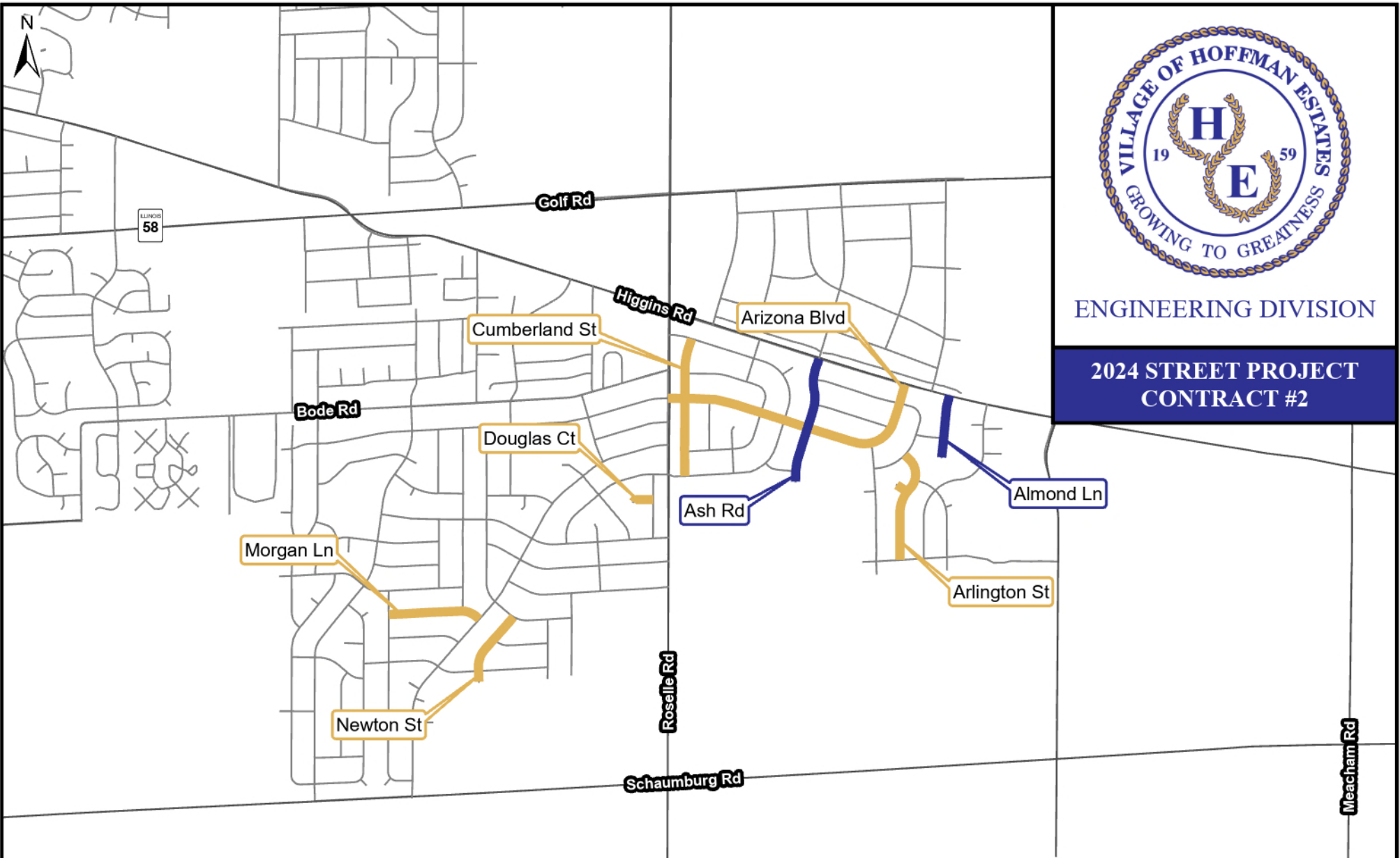
Street	Begin	End
ARIZONA BLV	ROSELLE RD	HIGGINS RD
ARLINGTON ST	THACKER ST	ALHAMBRA LN
CUMBERLAND ST	BRADLEY LN	BERKLEY LN (E)
DOUGLAS CT	DECATUR ST	END OF THE ST
MORGAN LN	PAYSON ST	ILLINOIS BLVD
NEWTON ST	MOHAVE ST	END OF THE ST





ENGINEERING DIVISION

**2024 STREET PROJECT  
CONTRACT #2**



**Legend**

-  RECONSTRUCTION
-  RESURFACING

**COMMITTEE AGENDA ITEM  
VILLAGE OF HOFFMAN ESTATES**

**SUBJECT:** Request authorization to award contract for materials testing for 2024 infrastructure projects to Applied GeoScience, Inc. of Schaumburg, IL (low proposal) in an amount not to exceed \$110,820.

**MEETING DATE:** March 25, 2024

**COMMITTEE:** Special Transportation and Road Improvement

**FROM:** Alan Wenderski, Director of Engineering  
Andy LoBosco, Senior Project Manager

**PURPOSE:** To present the proposals for materials testing for 2024 infrastructure projects and recommend approval of award of contract.

**DISCUSSION:** The Village received two qualified proposals for professional services for the testing portion of this year’s infrastructure projects. The proposals are summarized below.

**Table 1: Proposal Summary**

Contractor	Estimated Cost
<b>Applied GeoScience, Inc.</b>	<b>\$110,820</b>
NASHnal Soil Testing, LLC	\$284,268

Actual quantities of asphalt and concrete testing from previous years were applied to the proposed 2024 scope of work. Testing needs are slightly higher this year due to having multiple street projects and the increased scope of the sidewalk project. The amount of pavement cores completed in prior years was also used as a factor in determining the testing scope for 2024. The data from the cores assist staff in the design of streets in future years. The estimated hours in the Village scope were then applied to the submitted proposals to estimate the project cost. Applied GeoScience, Inc. provides the lowest total cost based on estimated units of work of all qualified firms. This company has satisfactorily performed these tasks on several previous Village projects.

It should be noted that the estimated cost is calculated by applying the unit costs for various tests and services in the proposals to the estimated quantities likely to occur over the course of the projects.

**DISCUSSION: (Continued)**

Variations in these quantities are possible during the course of the projects depending on the daily progress of the contractors.

For this year's projects, the recommendation is to award the testing contract at a not to exceed amount at the proposed estimated cost.

**FINANCIAL IMPACT:**

The total not to exceed cost of \$110,820 for material testing is below the budgeted amount of \$145,000 for material testing. The testing needs will cover the entirety of work included within the scope for various 2024 infrastructure projects.

**RECOMMENDATION:**

Request authorization to award the contract for materials testing for 2024 infrastructure projects to Applied GeoScience, Inc. of Schaumburg, IL (low proposal) in an amount not to exceed \$110,820.

Attachment



# Applied GeoScience, Inc.

Geotechnical, Environmental & Materials Engineering

March 18, 2024

Mr. Andy LoBosco, P.E.  
Senior Project Manager  
**Village of Hoffman Estates**  
1900 Hassell Road  
Hoffman Estates, Illinois 60169

**Reference: Inspection and Testing Services for Soil and Construction Materials  
for the 2024 Street Infrastructure Projects**  
AGI Proposal No. 24-143

Dear Mr. LoBosco:

Applied GeoScience, Inc. (AGI) is pleased to submit this proposal to provide Soil and Construction Materials Engineering Services that are required for the above-referenced project. The broad objectives of our work will be to conduct and interpret tests report our findings as directed by the Village of Hoffman Estates engineers.

AGI is staffed and equipped to provide any of the following services that may be ordered by you:

- Hot-Mix Asphalt (HMA)
- Portland Cement Concrete Testing (PCC)
- Environmental Monitoring, Drilling, Sampling, Testing & Reporting
- Geotechnical Engineering Drilling, Sampling, Testing & Reporting

AGI proposes to provide the Village of Hoffman Estates with qualified personnel to perform necessary testing and inspection engineering services for each of the above areas. Our testing and inspection services will be performed in accordance with the project specifications and include the following:

### ***1. Cast-in-place Concrete***

In accordance with the project specifications, AGI will provide general concrete monitoring and testing services. Our services will include the casting and/or pickup of cylinders for compressive strength tests as indicated in the job specifications. The slump and air content of the concrete will also be monitored. We will prepare reports summarizing the results of all field and laboratory testing.

### ***2. Portland Cement Concrete***

Scope of services includes batch plant inspection and laboratory compressive strength testing for the curb and gutter programs.

### ***3. Hot Mix Asphalt Paving***

Scope of services includes batch plant inspection and laboratory testing for Hot Mix Asphalt. We will check proportioning of mix components, mix temperature, aggregate gradation, perform complete

stockpile evaluation, and obtain extraction samples at the batch plant. Field services include performance of density tests using nuclear moisture/density meter and establish rolling patterns.

#### **4. Paving**

AGI proposes to perform observation and testing of the subgrade, base course and surface course including necessary testing installation of the pavement and curbs.

#### **5. Geotechnical Engineering**

AGI's staff has the experience to know what type of soil is required for each particular project and the expertise to analyze borings/coring to see if the soil is appropriate for construction. AGI has the experience to detect whether the foundation is compact enough to support the construction, as well as the experience to advise our clients on how not to support the structure.

#### **6. Environmental Engineering**

AGI offers professional consulting to solve environmental problems. We provide high quality environmental services to local, state and federal government agencies, as well as to the private sector.

AGI has a trustworthy reputation for soil remediation investigations as well as Phase I, Phase II and Phase III investigations. Our final report documents colorize the entire project to supply our clients with enough information to make informed decisions about the property.

Please review the attached General Inspection Fee Schedule for our services. The cost is not meant to be a "not-to-exceed" or lump sum cost. The total cost for our services will be a function of the length of times it takes the contractor to complete the project. The charges for personnel in the field will be verified by daily reports. The charges for testing will be limited to those tests performed in our laboratory, not those performed as part of field control services. Our cost will be based on the actual number of units used in accordance with the attached General Inspection Fee Schedule.

Laboratory phases of the project will be carried out in our laboratory with testing in general conformance with applicable ASTM standards, and special techniques you may require.

I am delighted we have had the opportunity to work with you and the Village of Hoffman Estates over the last 26 years. Your selection of Applied GeoScience, Inc. as your geotechnical, environmental and construction inspection firm is always appreciated, and we hope to continue to be of service.

Sincerely,

**APPLIED GEOSCIENCE, INC.**



Adam M. Moghamis, P.E.  
Principal Engineer

## GENERAL INSPECTION FEE SCHEDULE

(Per IDOT & Village of Hoffman Estates Specifications)

March 6, 2024

### FIELD & LABORATORY SERVICES-INSPECTION

	<u>Per Hour</u>	<u>Per Day</u>
1. Hot Mix Asphalt Plant/Field Inspection (210 hrs.) (\$17,010.00)	\$81.00	\$495.00
Portland Cement Concrete Plant/Field Inspection (800 hrs.) (\$64,800.00)	\$81.00	\$495.00
2. Hot Mix Asphalt Laboratory Testing (10 ec.)		
A. Asphalt Sample-IL Modified AASHTO T308		\$40.00/ea.
B. Air Void Bulk Specific Gravity Sample		\$40.00/ea.
C. Maximum Specific Gravity-IL Modified AASHTO T209 (\$1,200.00)		\$40.00/ea.
3. Concrete Laboratory Testing		
A. Concrete Cylinder Pick-Up (270 hrs.) (\$4,860.00)		\$18.00/hr.
B. Concrete Cylinder Testing & Reporting (600 ec.) (\$7,200.00)		\$12.00/ea.
4. Geotechnical / Environmental		
A. Pavement Boring/Coring (75 ec.) (\$15,000.00)		\$200.00/ea.
B. Soil Drilling & Environmental Sampling (15 ec.) (\$750.00)		\$50.00/ea.
	<b>Total</b>	<b><u>(\$110,820.00)</u></b>