

VILLAGE OF LA GRANGE  
Department of Public Works

**BOARD REPORT**

TO: Village President, Village Clerk  
Board of Trustees, and Village Attorney

FROM: Robert Pilipiszyn, Village Manager  
Ryan Gillingham, Director of Public Works

DATE: May 12, 2014

RE: **ENGINEERING SERVICES AGREEMENT- FY 2014-2015**  
**NEIGHBORHOOD STREET RESURFACING PROJECT**

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The purpose of the Neighborhood Resurfacing Program is to plan for the routine resurfacing and repair of neighborhood streets on a defined schedule. In April, 2011, the Village contracted with Baxter & Woodman, Inc. to complete a Street Condition Survey of all Village Streets. The purpose of the report was to establish the next generation of neighborhood street rehabilitation priorities. Based on results from the survey, staff recommended, and the Board concurred with, modifying the approach of street resurfacing from a neighborhood based system to one in which street resurfacing priorities are based on the individual condition of street block segments.

As part of the street condition survey, Baxter & Woodman completed a field survey to determine pavement conditions on all Village Streets and alleys. This data was then analyzed based on industry standards for rating roadway conditions and each block segment of roadway received a score from 0-100 called a Pavement Condition Index (PCI). Based on the results from this analysis, streets included in the FY2014-15 resurfacing program include the following street segments:

<b><u>Street</u></b>	<b><u>From</u></b>	<b><u>To</u></b>
Park Road	41 <sup>st</sup> Street	Ogden Avenue
Kensington Avenue	47 <sup>th</sup> Street	Cossitt Avenue
Elm Avenue	Sunset Avenue	Blackstone Avenue
Maple Avenue	Sunset Avenue	Blackstone Avenue
Blackstone Avenue	47 <sup>th</sup> Street	Elm Avenue
50 <sup>th</sup> Street	Willow Springs Road	End

A map of the streets included in the FY2014-15 resurfacing program is attached for reference. We believe the above streets were last resurfaced in the 1980's. We anticipate

that the scope of work for this project will generally consist of milling and resurfacing the existing pavement, intermittent sidewalk and curb and gutter replacement, surface drainage corrections and sewer structure repairs as required.

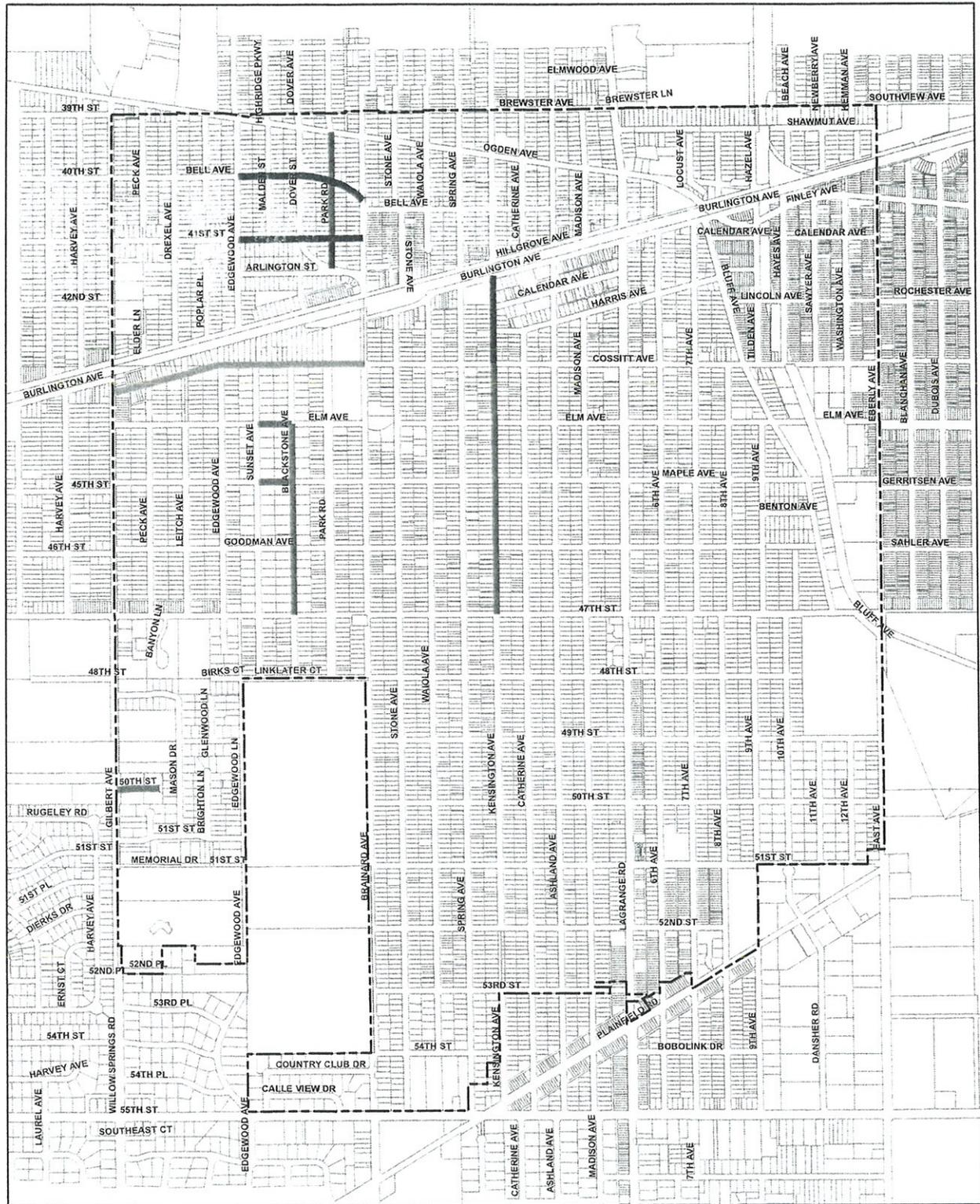
The FY2014-15 Proposed Capital Projects Fund budget includes \$80,000 for the completion of the design engineering work for these street segments. Construction is budgeted for these street segments in FY2015-16 in the amount of \$980,000. Please note, the budget reflects completion of the engineering work for the resurfacing program in the fiscal year prior to construction so work can start on May 1 at the beginning of the construction season. The current schedule for the project is as follows:

<u>Action</u>	<u>Completion Date</u>
Complete Engineering Design	December 2014
Award Construction Contract	Spring 2015
Construction Completion	Summer 2015

Baxter & Woodman, Inc. proposes to complete the plans and specifications, and coordinate the required review and approval process with IDOT for this work for an amount not-to-exceed \$80,000 We recommend Baxter & Woodman, Inc. perform the engineering work for this project in accordance with the attached task order based on their experience in this type of work, familiarity with the Village, and past performance.

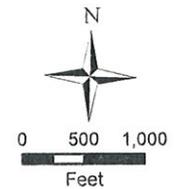
If approved, the attached task order with Baxter & Woodman, Inc. will be executed for this work in accordance with their municipal engineering task order contract. Additionally, IDOT requires for the utilization of MFT funds that the Preliminary Engineering Services Agreement for Motor Fuel Tax Funds and Resolution for Improvement by Municipality Under the Illinois Highway Code be approved. These three documents are attached for your consideration. Staff recommends approval of these documents. Additional agreements for construction and construction engineering will be necessary next year when the project is bid for construction.

In summary, staff recommends approval of the task order with Baxter & Woodman in the total amount of \$80,000 for the completion of the detailed engineering and design for the FY2014-15 Neighborhood Resurfacing Project. Staff also recommends approval of the Preliminary Engineering Services Agreement for Motor Fuel Tax Funds and Resolution for Improvement by Municipality Under the Illinois Highway Code be approved.



VILLAGE OF LA GRANGE, ILLINOIS  
 PROPOSED PAVEMENT IMPROVEMENTS

- 2013/2014 Resurfacing Program (Completed)
- 2015/2016 Resurfacing Program
- Kensington Ave STP Program - 2016
- Cossitt Ave STP Program - 2015
- Village Boundary



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VILLAGE OF LA GRANGE, ILLINOIS  
FY 2014-2015 NEIGHBORHOOD RESURFACING PROJECT

TASK ORDER NO. 56

In accordance with Section 1.2 of the Master Contract dated May 13, 2013 between the Village of La Grange (the "Village") and Baxter & Woodman, Inc. (the "Consultant"), the Parties agree to the following Task Order Number 56:

**1. Contracted Services:**

Baxter & Woodman, Inc. shall provide the Village with detailed engineering and design services as described in the Project Description (Exhibit A) and Scope of Services (Exhibit B), attached hereto. A Motor Fuel Tax (MFT) Agreement has been prepared to allow the use of MFT funds. In case of a conflict, all terms and conditions of the master task order contract dated May 13, 2013 with the Village of La Grange shall apply.

**2. Project Schedule** (attach schedule if appropriate):

All services shall be completed prior to December 31, 2014.

**3. Project Completion Date:**

All Contracted Services must be completed on or before December 31, 2014.

**4. Project Specific Pricing** (if applicable):

Baxter & Woodman, Inc. shall be compensated on a cost plus fixed fee basis in an amount not to exceed \$80,000. See attached Exhibit C.

**5. Additional Changes to the Master Contract** (if applicable):

N/A

All other terms and conditions remain unchanged.

[signature page follows]

**VILLAGE**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Director of Public Works

\_\_\_\_\_  
Date

**CONSULTANT**

  
\_\_\_\_\_  
Signature

Steve A. Larson, PE, President/CEO

\_\_\_\_\_  
Name (Printed or Typed)

\_\_\_\_\_  
Date

*April 28, 2014*

If greater than, \$2,000, the Village Manager's signature is required.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Village Manager

\_\_\_\_\_  
Date

If greater than \$10,000, the Village Board must approve the Task Order in advance and the Village President's signature is required.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Village President

\_\_\_\_\_  
Date

Municipality La Grange	<b>L O C A L  A G E N C Y</b>	 <b>Illinois Department of Transportation</b>  <b>Preliminary Engineering Services Agreement For Motor Fuel Tax Funds</b>	<b>C O N S U L T A N T</b>	Name Baxter & Woodman, Inc.
Township				Address 8678 Ridgefield Road
County Cook				City Crystal Lake
Section 14-00090-00-RS				State IL, 60012

THIS AGREEMENT is made and entered into this 12<sup>th</sup> day of May, 2014 between the above Local Agency (LA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the improvement of the above SECTION. Motor Fuel Tax Funds, allotted to the LA by the State of Illinois under the general supervision of the State Department of Transportation, hereinafter called the "DEPARTMENT", will be used entirely or in part to finance ENGINEERING services as described under AGREEMENT PROVISIONS.

#### Section Description

Name FY 2014-2015 Neighborhood Resurfacing Project

Route See Exhibit A Length \_\_\_\_\_ Mi. \_\_\_\_\_ FT (Structure No. \_\_\_\_\_ )

Termini See Exhibit A

**Description:**

Design Engineering for the resurfacing, base repair, curb repair and parkway restoration of various Village streets. See Exhibit B for Scope. ENGINEER's Project No. 140091.40

#### Agreement Provisions

**The Engineer Agrees,**

1. To perform or be responsible for the performance of the following engineering services for the LA, in connection with the proposed improvements herein before described, and checked below:
  - a.  Make such detailed surveys as are necessary for the preparation of detailed roadway plans
  - b.  Make stream and flood plain hydraulic surveys and gather high water data, and flood histories for the preparation of detailed bridge plans.
  - c.  Make or cause to be made such soil surveys or subsurface investigations including borings and soil profiles and analyses thereof as may be required to furnish sufficient data for the design of the proposed improvement. Such investigations are to be made in accordance with the current requirements of the DEPARTMENT.
  - d.  Make or cause to be made such traffic studies and counts and special intersection studies as may be required to furnish sufficient data for the design of the proposed improvement.
  - e.  Prepare Army Corps of Engineers Permit, Department of Natural Resources-Office of Water Resources Permit, Bridge waterway sketch, and/or Channel Change sketch, Utility plan and locations, and Railroad Crossing work agreements.
  - f.  Prepare Preliminary Bridge design and Hydraulic Report, (including economic analysis of bridge or culvert types) and high water effects on roadway overflows and bridge approaches.
  - g.  Make complete general and detailed plans, special provisions, proposals and estimates of cost and furnish the LA with five (5) copies of the plans, special provisions, proposals and estimates. Additional copies of any or all documents, if required, shall be furnished to the LA by the ENGINEER at his actual cost for reproduction.
  - h.  Furnish the LA with survey and drafts in quadruplicate of all necessary right-of-way dedications, construction easement and borrow pit and channel change agreements including prints of the corresponding plats and staking as required.

Note: Four copies to be submitted to the Regional Engineer

- i.  Assist the LA in the tabulation and interpretation of the contractors' proposals
  - j.  Prepare the necessary environmental documents in accordance with the procedures adopted by the DEPARTMENT's Bureau of Local Roads & Streets.
  - k.  Prepare the Project Development Report when required by the DEPARTMENT.
- (2) That all reports, plans, plats and special provisions to be furnished by the ENGINEER pursuant to the AGREEMENT, will be in accordance with current standard specifications and policies of the DEPARTMENT. It is being understood that all such reports, plats, plans and drafts shall, before being finally accepted, be subject to approval by the LA and the DEPARTMENT.
- (3) To attend conferences at any reasonable time when requested to do so by representatives of the LA or the Department.
- (4) In the event plans or surveys are found to be in error during construction of the SECTION and revisions of the plans or survey corrections are necessary, the ENGINEER agrees that he will perform such work without expense to the LA, even though final payment has been received by him. He shall give immediate attention to these changes so there will be a minimum delay to the Contractor.
- (5) That basic survey notes and sketches, charts, computations and other data prepared or obtained by the Engineer pursuant to this AGREEMENT will be made available, upon request, to the LA or the DEPARTMENT without cost and without restriction or limitations as to their use.
- (6) That all plans and other documents furnished by the ENGINEER pursuant to this AGREEMENT will be endorsed by him and will show his professional seal where such is required by law.

**The LA Agrees,**

1. To pay the ENGINEER as compensation for all services performed as stipulated in paragraphs 1a, 1g, 1i, 2, 3, 5 and 6 in accordance with one of the following methods indicated by a check mark:
- a.  A sum of money equal to \_\_\_\_\_ percent of the awarded contract cost of the proposed improvement as approved by the DEPARTMENT.
  - b.  A sum of money equal to the percent of the awarded contract cost for the proposed improvement as approved by the DEPARTMENT based on the following schedule:

Schedule for Percentages Based on Awarded Contract Cost

Awarded Cost	Percentage Fees	
Under \$50,000	Cost plus Fixed Fee Not to	(see note)
	Exceed \$80,000 (See Exhibit C)	%
	_____	%
	_____	%
	_____	%
	_____	%

Note: Not necessarily a percentage. Could use per diem, cost-plus or lump sum.

2. To pay for services stipulated in paragraphs 1b, 1c, 1d, 1e, 1f, 1h, 1j & 1k of the ENGINEER AGREES at actual cost of performing such work plus 147 percent to cover profit, overhead and readiness to serve - "actual cost" being defined as material cost plus payrolls, insurance, social security and retirement deductions. Traveling and other out-of-pocket expenses will be reimbursed to the ENGINEER at his actual cost. Subject to the approval of the LA, the ENGINEER may sublet all or part of the services provided under the paragraph 1b, 1c, 1d, 1e, 1f, 1h, 1j & 1k. If the ENGINEER sublets all or part of this work, the LA will pay the cost to the ENGINEER plus a five (5) percent service charge.

"Cost to Engineer" to be verified by furnishing the LA and the DEPARTMENT copies of invoices from the party doing the work. The classifications of the employees used in the work should be consistent with the employee classifications for the services performed. If the personnel of the firm, including the Principal Engineer, perform routine services that should normally be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the work performed.

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3. That payments due the ENGINEER for services rendered in accordance with this AGREEMENT will be made as soon as practicable after the services have been performed in accordance with the following schedule:
  - a. Upon completion of detailed plans, special provisions, proposals and estimate of cost - being the work required by paragraphs 1a through 1g under THE ENGINEER AGREES - to the satisfaction of the LA and their approval by the DEPARTMENT, 90 percent of the total fee due under this AGREEMENT based on the approved estimate of cost.
  - b. Upon award of the contract for the improvement by the LA and its approval by the DEPARTMENT, 100 percent of the total fee due under the AGREEMENT based on the awarded contract cost, less any amounts paid under "a" above.

By Mutual agreement, partial payments, not to exceed 90 percent of the amount earned, may be made from time to time as the work progresses.

4. That, should the improvement be abandoned at any time after the ENGINEER has performed any part of the services provided for in paragraphs 1a, through 1h and prior to the completion of such services, the LA shall reimburse the ENGINEER for his actual costs plus 147 percent incurred up to the time he is notified in writing of such abandonment -"actual cost" being defined as in paragraph 2 of THE LA AGREES.
5. That, should the LA require changes in any of the detailed plans, specifications or estimates except for those required pursuant to paragraph 4 of THE ENGINEER AGREES, after they have been approved by the DEPARTMENT, the LA will pay the ENGINEER for such changes on the basis of actual cost plus 147 percent to cover profit, overhead and readiness to serve -"actual cost" being defined as in paragraph 2 of THE LA AGREES. It is understood that "changes" as used in this paragraph shall in no way relieve the ENGINEER of his responsibility to prepare a complete and adequate set of plans and specifications.

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#### **It is Mutually Agreed,**

1. That any difference between the ENGINEER and the LA concerning their interpretation of the provisions of this Agreement shall be referred to a committee of disinterested parties consisting of one member appointed by the ENGINEER, one member appointed by the LA and a third member appointed by the two other members for disposition and that the committee's decision shall be final.
2. This AGREEMENT may be terminated by the LA upon giving notice in writing to the ENGINEER at his last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LA all surveys, permits, agreements, preliminary bridge design & hydraulic report, drawings, specifications, partial and completed estimates and data, if any from traffic studies and soil survey and subsurface investigations with the understanding that all such material becomes the property of the LA. The ENGINEER shall be paid for any services completed and any services partially completed in accordance with Section 4 of THE LA AGREES.
3. That if the contract for construction has not been awarded one year after the acceptance of the plans by the LA and their approval by the DEPARTMENT, the LA will pay the ENGINEER the balance of the engineering fee due to make 100 percent of the total fees due under this AGREEMENT, based on the estimate of cost as prepared by the ENGINEER and approved by the LA and the DEPARTMENT.
4. That the ENGINEER warrants that he/she has not employed or retained any company or person, other than a bona fide employee working solely for the ENGINEER, to solicit or secure this contract, and that he/she has not paid or agreed to pay any company or person, other than a bona fide employee working solely for the ENGINEER, any fee, commission, percentage, brokerage fee, gifts or any other consideration, contingent upon or resulting from the award or making of this contract. For Breach or violation of this warranty the LA shall have the right to annul this contract without liability.

IN WITNESS WHEREOF, the parties have caused the AGREEMENT to be executed in quadruplicate counterparts, each of which shall be considered as an original by their duly authorized officers.

Executed by the LA:

Village of La Grange of the  
(Municipality/Township/County)

ATTEST:

State of Illinois, acting by and through its

By \_\_\_\_\_

Village \_\_\_\_\_ Clerk

(Seal)

By \_\_\_\_\_

Title Village President

Executed by the ENGINEER:

ATTEST:

By Barbara Tobin

Title Deputy Secretary

By [Signature]

Title President / CEO

<b>Approved</b>
_____
Date
Department of Transportation
_____
Regional Engineer

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VILLAGE OF LA GRANGE, ILLINOIS  
FY 2014-2015 NEIGHBORHOOD RESURFACING PROJECT

EXHIBIT A

PROJECT DESCRIPTION

Street No.	Street	From	To
1	Park Road	41 <sup>st</sup> Street	Ogden Avenue
2	Kensington Avenue	47 <sup>th</sup> Street	Cossitt Avenue
3	Elm Avenue	Sunset Avenue	Blackstone Avenue
4	Maple Avenue	Sunset Avenue	Blackstone Avenue
5	Blackstone Avenue	47 <sup>th</sup> Street	Elm Avenue
6	50 <sup>th</sup> Street	Willow Springs Road	End

The work on these street segments includes HMA resurfacing, surface patching, base patching, curb and gutter repairs, sidewalk repairs, drainage structure adjustment, thermoplastic pavement markings, and parkway restoration.

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VILLAGE OF LA GRANGE, ILLINOIS  
FY 2014-2015 NEIGHBORHOOD RESURFACING PROJECT

EXHIBIT B

**SCOPE OF SERVICES**

1. MANAGE PROJECT

- Plan, schedule, and control the activities that must be performed to complete the Project including budget, schedule, and scope. Coordinate with Village and Project team to incorporate Village goals into final Project. Prepare and submit monthly invoices and coordinate invoices from sub-consultants. Attend one kick-off meeting with the Village to review the Project and establish Project criteria and clear lines of communication, and attend one progress meeting to review the Plans, Contract Proposal, and Estimate of Cost.

2. PLAN PREPARATION

- *Field evaluation:* Perform a field evaluation of the condition of existing pavements, drainage structures, and curb and gutter. Estimate quantities of pavement repair. Observe and photograph the project area and immediate surroundings in order to identify readily apparent physical conditions and patterns of use.
- *Topographic Survey:* Perform topographic survey within the Project limits. State plane coordinates and NAVD 88 will be used for horizontal and vertical controls. Collect photographs along the Project route to assist with design drawings and exhibits. Collect drainage structure condition, inverts, size, and flow direction. Download and develop digital terrain model for use in design and plan preparation. Field-locate existing property corners and obtain recorded documents to determine the limits of existing right of way. It is not anticipated that the topographic survey services will require Prevailing Wage for Survey Worker to be paid to technicians performing the work. In the event it is determined that the design topographic survey is covered work under the Illinois Prevailing Wage Act (820 ILCS 130), the Engineers will negotiate an equitable increase in compensation with the Owner to meet the requirements of the Act.
- *Utility Coordination:* Contact J.U.L.I.E. for potentially impacted utility companies and obtain available data of record indicating locations of underground utilities. Submit preliminary plans to utility companies so conflicts and relocation efforts can be identified. Coordinate utility relocation for conflicts within public right-of-way.
- *Pavement Cores and Soil Borings:* Hire a geotechnical sub-consultant to take pavement cores of the surface and base material to determine the composition of the existing pavement material. Collect 4-foot pavement cores and soil borings. Provide analysis and recommendations, including subgrade, in a soils report in accordance with IDOT guidelines.

- *Geometric Design:* Prepare plan and profile sheets for design.
- *Cross Section Design:* Design roadway cross sections at 100-foot intervals and all cross streets, driveways, and cross-road culverts. Compute earthwork calculations.
- *Detailed Drawings:* Complete required plan sheets required for bidding including: Cover, General Notes, Summary of Quantities, Schedule of Quantities, Typical Sections, Erosion Control, Removals, Plan and Profile, and Cross Sections.
- *Contract Proposal:* Prepare Project specific special provisions along with Contract Proposal in accordance with Village and MFT guidelines.
- *Estimate of Cost and Time:* Prepare summary of quantities, estimate of time, schedules of materials, and an engineer's estimate of cost.
- *QC/QA:* Perform an in-house peer review and constructability review of the pre-final plans, specifications, and estimates of cost for the Project.
- *Final Contract Plans and Contract Proposal:* Prepare contract documents consisting of Plans, Special Provisions, Contract Proposals, and Engineer's Estimate of Probable Construction Cost and submit these documents to the Village to receive construction bids.

3. ASSIST BIDDING

- Provide documents for bidding and assist the Village in solicitation of bids from as many qualified bidders as possible, receive and evaluate bids, tabulate bids, and make a recommendation to the Village for an award of contract.

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VILLAGE OF LA GRANGE, ILLINOIS  
 FY 2014-2015 NEIGHBORHOOD RESURFACING PROJECT  
 SECTION NO.: 14-00090-00-RS

EXHIBIT C

PRELIMINARY ENGINEERING

Route: FY 2014-2015 NEIGHBORHOOD RESURFACING PROJECT  
 Local Agency: VILLAGE OF LA GRANGE  
 Section: 14-00090-00-RS  
 Project:  
 Job No.:

*Firm's <b>approved rates</b> on file with IDOT's Bureau of Accounting and Auditing:	
Overhead Rate (OH)	147%
Complexity Factor (R)	0
Calendar Days	180

Method of Compensation:  
 Cost Plus Fixed Fee 1  14.5%[DL + R(DL) + OH(DL) + IHDC]  
 Cost Plus Fixed Fee 2  14.5%[DL + R(DL) + 1.4(DL) + IHDC]  
 Cost Plus Fixed Fee 3  14.5%[(2.8 + R)DL] + IHDC  
 Direct Labor Multiple   
 Specific Rate   
 Lump Sum

Cost Estimate of Consultant's Services in Dollars

Element of Work	Employee Classification	Man-Hours	Payroll Rate	Payroll Costs (DL)	Overhead*	Services by Others	In-House Direct Costs (IHDC)	Profit	Total
MANAGE PROJECT	PRINCIPAL	16	\$70.00	\$1,120	\$1,646		\$50	\$408	\$3,224
	SR ENGINEER II	24	\$46.07	\$1,106	\$1,626		\$100	\$411	\$3,243
PLAN PREPARATION									
FIELD EVALUATION	SR ENGINEER II	8	\$46.07	\$369	\$542		\$50	\$139	\$1,100
	SR ENGINEER I	40	\$41.74	\$1,670	\$2,455		\$150	\$620	\$4,895
	ENGINEER I	40	\$24.95	\$998	\$1,467		\$150	\$379	\$2,994
TOPOGRAPHIC SURVEY	SURVEY TECH IV	2	\$40.34	\$81	\$119			\$29	\$229
	SURVEY TECH II	80	\$32.11	\$2,569	\$3,776		\$260	\$958	\$7,563
	CADD TECH II	16	\$32.11	\$514	\$756			\$184	\$1,454
UTILITY COORDINATION	SR ENGINEER II	8	\$46.07	\$369	\$542			\$132	\$1,043
	ENGINEER I	24	\$24.95	\$599	\$881			\$215	\$1,695
PAVEMENT CORES AND SOIL BORINGS	SR ENGINEER II	4	\$46.07	\$184	\$270	\$4,000		\$66	\$4,520
	ENGINEER I	8	\$24.95	\$200	\$294			\$72	\$566
GEOMETRIC DESIGN	SR ENGINEER II	40	\$46.07	\$1,843	\$2,709			\$660	\$5,212
	ENGINEER I	120	\$24.95	\$2,994	\$4,401			\$1,072	\$8,467
	CADD TECH II	96	\$32.11	\$3,083	\$4,532			\$1,104	\$8,719
CROSS SECTION DESIGN	ENGINEER I	40	\$24.95	\$998	\$1,467			\$357	\$2,822
	CADD TECH II	24	\$32.11	\$771	\$1,133			\$276	\$2,180
DETAILED DRAWINGS	ENGINEER I	24	\$24.95	\$599	\$881			\$215	\$1,695
	CADD TECH II	16	\$32.11	\$514	\$756			\$184	\$1,454
CONTRACT PROPOSAL	SR ENGINEER I	16	\$41.74	\$668	\$982			\$239	\$1,889
	ENGINEER I	40	\$24.95	\$998	\$1,467			\$357	\$2,822
	CLERICAL I	16	\$25.40	\$406	\$597			\$145	\$1,148

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ESTIMATE OF COST AND TIME	SR ENGINEER II	8	\$46.07	\$369	\$542			\$132	\$1,043
	ENGINEER I	24	\$24.95	\$599	\$881			\$215	\$1,695
QC/QA	SR ENGINEER III	8	\$54.14	\$433	\$637			\$155	\$1,225
FINAL CONTRACT PLANS AND CONTRACT PROPOSAL	SR ENGINEER II	8	\$46.07	\$369	\$542		\$50	\$139	\$1,100
	CADD TECH II	24	\$32.11	\$771	\$1,133			\$276	\$2,180
	ENGINEER I	24	\$24.95	\$599	\$881			\$215	\$1,695
ASSIST BIDDING	SR ENGINEER II	8	\$46.07	\$369	\$542		\$78	\$144	\$1,133
	CLERICAL I	6	\$25.40	\$152	\$223			\$54	\$429
	ENGINEER I	8	\$24.95	\$200	\$294			\$72	\$566
<b>TOTALS</b>		<b>820</b>		<b>\$ 26,514</b>	<b>\$ 38,974</b>	<b>\$ 4,000</b>	<b>\$ 888</b>	<b>\$ 9,624</b>	<b>\$ 80,000</b>

In-House Direct Costs:

VEHICLE EXPENSES - TRAVEL 1584 MILES @ \$0.560 / MILE =

\$888

Services by Others:

SOIL & MATERIAL CONSULTANTS

\$4,000

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