
**VILLAGE OF SUGAR GROVE
BOARD REPORT**

TO: VILLAGE PRESIDENT & BOARD OF TRUSTEES
FROM: ANTHONY SPECIALE, DIRECTOR OF PUBLIC WORKS
GEOFF PAYTON, STREETS & PROPERTIES SUPERVISOR
SUBJECT: RESOLUTION: INTERGOVERNMENTAL AGREEMENT FOR PHASE I
ENGINEERING – BLACKBERRY CREEK BIKE / PEDESTRIAN BRIDGE
AGENDA: JANUARY 9, 2018 REGULAR BOARD MEETING
DATE: JANUARY 4, 2018

ISSUE

Approval of an Intergovernmental Agreement (IGA) for Phase I engineering for the Blackberry Creek Bike / Pedestrian Bridge.

DISCUSSION

On December 1, 2017, the Village submitted the Blackberry Creek Bike / Pedestrian Bridge for ITEP Grant funding. The Grant is an 80/20 grant, but does not cover Phase I engineering. The Village reached out to the Kane County Forest Preserve, the Sugar Grove Park District and Sugar Grove Township to secure their participation in cost sharing for the Phase I engineering.

Attached is the IGA for cost sharing between the entities. The agreement places the Village as the lead agency and divides the costs four ways for phase I engineering. The total cost of Phase I engineering is \$109,976. The Village has already contributed \$5,000 of its commitment to the project; therefore, each entity would be responsible for \$28,719 under this agreement.

Staff is recommending the Village Board approve the execution of the IGA with the Forest Preserve, Park District and Township.

COST

The total estimated cost for the preliminary Phase I engineering for the Blackberry Bike / Pedestrian Bridge Crossing Project is \$109,976.00. Based on anticipated participation, the Village's share is estimated to be \$28,719. This is unbudgeted and will be split between the FYE 18 and FYE 19 budgets.

RECOMMENDATION

That the Village Board approve **Resolution #20180109PW2** authorizing the Village Administrator to execute the Intergovernmental Agreement for Phase I engineering on the Blackberry Creek Bike / Pedestrian Bridge project, Subject to Attorney Review.



RESOLUTION NO. 20180109PW2

VILLAGE OF SUGAR GROVE, KANE COUNTY, ILLINOIS

RESOLUTION AUTHORIZING EXECUTION OF AN INTERGOVERNMENTAL AGREEMENT WITH FOR PHASE I ENGINEERING - BLACKBERRY CREEK CROSSING

WHEREAS, the Village of Sugar Grove Board of Trustees find that it is in the best interest of the Village to execute an Intergovernmental Agreement with the Kane County Forest Preserve, the Sugar Grove Park District and Sugar Grove Township for Phase I engineering for a pedestrian / bicycle crossing over the Blackberry Creek, and to execute the attached agreement;

NOW, THEREFORE, BE IT RESOLVED by the President and Board of Trustees of the Village of Sugar Grove, Kane County, Illinois, as follows:

That attached hereto and incorporated herein by reference as Exhibit A is an intergovernmental agreement for Phase I engineering of a pedestrian / bicycle crossing over the Blackberry Creek, and to execute the attached agreement;. The Village Administrator is hereby authorized to execute said agreement on behalf of the Village and to take such further actions as are necessary to fulfill the terms of said agreement.

Passed by the President and Board of Trustees of the Village of Sugar Grove, Kane County, Illinois, at a regular meeting thereof held on the 9th day of January, 2018.

P. Sean Michels
President of the Board of Trustees
of the Village of Sugar Grove, Kane
County, Illinois

ATTEST: _____
Cynthia Galbreath
Clerk, Village of Sugar Grove

	Aye	Nay	Absent	Abstain
Trustee Sean Herron	_____	_____	_____	_____
Trustee Mari Johnson	_____	_____	_____	_____
Trustee Ted Koch	_____	_____	_____	_____
Trustee Heidi Lendi	_____	_____	_____	_____
Trustee Rick Montalto	_____	_____	_____	_____
Trustee David Paluch	_____	_____	_____	_____

**INTERGOVERNMENTAL AGREEMENT BETWEEN
THE FOREST PRESERVE DISTRICT OF KANE COUNTY, THE VILLAGE OF
SUGAR GROVE, THE SUGAR GROVE TOWNSHIP AND THE SUGAR GROVE
PARK DISTRICT**

This Agreement entered into this ____ day of _____ 201_, by and between the FOREST PRESERVE DISTRICT OF KANE COUNTY, body corporate and politic of the State of Illinois, hereinafter called the "FOREST PRESERVE DISTRICT", the VILLAGE OF SUGAR GROVE, a municipal corporation of the State of Illinois, hereinafter called the "VILLAGE", the SUGAR GROVE TOWNSHIP, a local governmental entity of the State of Illinois, hereinafter called the "TOWNSHIP", and the SUGAR GROVE PARK DISTRICT, a local governmental entity of the State of Illinois, hereinafter called the "PARK DISTRICT". The Forest Preserve District, Village, Township and Park District are collectively referred to as the "PARTIES" and each individually as a "PARTY".

WITNESSETH:

WHEREAS, the PARTIES support providing a system of bike/pedestrian trails within the mutual jurisdictions of all PARTIES and the connection of said system to regional and state system of trails; and,

WHEREAS, the PARTIES have determined that it is in their best interests to seek funding for the construction of a bike and pedestrian bridge and path across Blackberry Creek that will provide a direct connection for residents to the regional Virgil-Gilman Trail, a golf course, retail, 4 subdivisions, and several public parks and forest preserve areas (the "Project"); and,

WHEREAS, the Project would improve travel and provide off-street access for pedestrians and bicyclists throughout the community from schools, residential areas, various Forest Preserves, and retail area; allow connectivity to the Virgil-Gilman Trail; and,

WHEREAS, the PARTIES have determined that a Phase I Engineering Study is the appropriate next step of the Project; and,

WHEREAS, the FOREST PRESERVE DISTRICT by virtue of its powers as set forth in the Illinois _____ Code __ ILCS _____ is authorized to enter into this Agreement; and

WHEREAS, the VILLAGE by virtue of its powers as set forth in the Illinois Municipal Code 65 ILCS 5/1-1-1 is authorized to enter into this Agreement; and

WHEREAS, the TOWNSHIP by virtue of its powers as set forth in the Illinois _____ Code __ ILCS _____ is authorized to enter into this Agreement; and

WHEREAS, the PARK DISTRICT by virtue of its powers as set forth in the Illinois _____ Code __ ILCS _____ is authorized to enter into this Agreement; and

WHEREAS, an intergovernmental agreement is appropriate and is authorized by Article VII, Section 10 of the Illinois Constitution and the Intergovernmental Cooperation Act, of the Illinois Compiled Statutes, (5 ILCS 220/1).

NOW, THEREFORE, in consideration of the aforementioned recitals and the mutual covenants contained herein, the PARTIES hereto mutually, covenant agree and bind themselves as follows; to wit:

I. PROFESSIONAL SERVICES

- A.** The VILLAGE shall, contract for the necessary professional services specified on Exhibit A attached hereto and incorporated herein by reference subject to Section 1(B) below.
- B.** Each PARTY shall contribute the amount of \$28,719.00 and shall pay, to the VILLAGE, said amount, within 30 days of execution by the final signatory to this agreement. No amount is due by any PARTY (including the VILLAGE) unless and until all PARTIES to this Agreement approve and execute this Agreement. The VILLAGE shall pay its portion (along with the payments from the other PARTIES) hereunder to the Engineer in accordance with Exhibit A.
- C.** The PARTIES acknowledge that the Village has already paid \$5,000.00 of its commitment under Section 1(B) hereof for wetland delineations which has been completed under a separate professional services agreement and are an integral part of the professional services. The PARTIES acknowledge that the PARK DISTRICT AND TOWNSHIP have also deposited their full amount due. Should this agreement not be executed by all PARTIES, said sums deposited by the PARK DISTRICT and TOWNSHIP shall be refunded to them by the VILLAGE.
- D.** Should additional assignments under Exhibit A be required that would cause the final amount due under Exhibit A exceed \$109,976.00, before said additional assignments be approved by the VILLAGE, the VILLAGE shall notify all other PARTIES to this agreement and obtain written consent for said additional assignments. For purposes of efficiency, the PARTIES agree that the following representatives may approve additional expenses for their respective PARTY up to the amount of \$5,000.00:

VILLAGE: Brent Eichelberger, Village Administrator

FOREST PRESERVE DISTRICT: Monica Meyers, Executive Director

TOWNSHIP: Tom Rowe, Supervisor

PARK DISTRICT: Greg Repede, Executive Director

Cumulative amounts in excess of said \$20,000.00, must be approved by the Corporate Authorities of each PARTY. Representatives may be changed, from time to time, by subsequent written notice. Each representative shall be readily available to the other PARTIES.

- E.** In order to avoid conflicting directions, the VILLAGE staff shall direct all work and communication with the Engineering firm on Exhibit A. However, all PARTIES shall be entitled to receive copies of the work product of the Professional Services Agreement attached as Exhibit A.

II. INDEMNIFICATION AND RECORDS

- A.** Each PARTY shall defend indemnify and hold harmless the other PARTIES, and each of their respective officers, directors, employees and agents from and against all claims of third Parties, and all associated losses, to the extent arising out of (a) a PARTIES negligence or willful misconduct in performing any of its obligations under this Agreement, or (b) a material breach by a PARTY of any of its representations, warranties, covenants or agreements under this Agreement.
- B.** The VILLAGE shall maintain, for a minimum of three (3) years after the completion of the Project, adequate books, records, and supporting documents to verify the amounts, recipients, and uses of all disbursements of funds passing in conjunction with this Agreement.

III. GENERAL PROVISIONS

- A.** It is understood and agreed that this is an intergovernmental agreement between the Village of Sugar Grove, Sugar Grove Township, Sugar Grove Park District and the Forest Preserve District of Kane County.
- B.** Wherever in this Agreement approval or review by any of the PARTIES hereto is provided for, said approval or review shall not be unreasonably delayed or withheld.
- C.** In the event of a dispute between the PARTIES in the carrying out of the terms of this Agreement, the representatives noted above (or their successors) shall meet and resolve the issue.
- D.** Any dispute concerning this Agreement that is not resolved as provided above shall be resolved by decision of the elected Chief Officer of each respective PARTY and their decision shall be final.

- E.** This Agreement may be executed in multiple counterparts, each of which shall be deemed an original and all of which shall be deemed one and the same instrument.
- F.** This Agreement may only be modified by written modification executed by duly authorized representatives of the PARTIES.
- G.** This Agreement shall be binding upon and inure to the benefit of the PARTIES and their respective successors and approved assigns.
- H.** It is agreed that the laws of the State of Illinois shall apply to this Agreement and that, in the event of litigation, venue shall lie in Kane County, Illinois.
- I.** All notices shall be in writing and shall be personally delivered or mailed to the following persons at the following addresses:

To the FOREST PRESERVE DISTRICT:

The Forest Preserve District of Kane County
1996 S. Kirk Rd., Ste. 320
Geneva, Illinois 60134.
Attn: Executive Director

To the VILLAGE:

The Village of Sugar Grove
10 S. Municipal Drive
Sugar Grove, Illinois 60554
Attn: Director of Public Works

To the TOWNSHIP:

The Township of Sugar Grove
54 Snow St.
Sugar Grove, Illinois 60554
Attn: Supervisor

To the PARK DISTRICT:

The Sugar Grove Park District
61 Main Street
Sugar Grove, Illinois 60554
Attn: Executive Director

- J.** The introductory recitals included at the beginning of this Agreement are agreed to and incorporated into this Agreement.

IN WITNESS THEREOF, the PARTIES have executed this Agreement on the dates indicated.

THE VILLAGE OF SUGAR GROVE

By: _____
Village President

Attest: _____

Date: _____

THE FOREST PRESERVE DISTRICT OF KANE COUNTY

By: _____

Attest: _____

Date: _____

THE SUGAR GROVE TOWNSHIP

By: _____

Attest: _____

Date: _____

THE SUGAR GROVE PARK DISTRICT

By: _____

Attest: _____

Date: _____

EXHIBIT A

DRAFT



November 2, 2017

Mr. P. Sean Michels
Village President
Village of Sugar Grove
10 Municipal Drive
Sugar Grove, IL 60554

**Re: Professional Services for
Blackberry Creek Bridge and Shared-Use Path
Village of Sugar Grove, Kane County, Illinois**

Dear Mr. Michels:

Thank you for the opportunity to submit this proposal for professional engineering services for the proposed pedestrian bridge project across Blackberry Creek in Sugar Grove, Illinois.

Our proposal presents in more detail below the following items: Project Description, Scope of Services, Fees and Conditions, Qualifications and Acceptance.

PROJECT DESCRIPTION

The Village of Sugar Grove, herein after referred to as Client or Village, is interested in making pedestrian bridge and path improvements that include a pedestrian bridge crossing over Blackberry Creek to the Virgil Gilman Trail. Currently there is no path connection between the Virgil Gilman Trail and the area south of Blackberry Creek. Bicyclists and pedestrians travel on Bliss Road to get to the area south of Blackberry Creek and Bliss Road is not set up to accommodate bicyclists and pedestrians.

EEI has previously reviewed various path routes and prepared a conceptual design plan for such a pedestrian bridge and path improvements. Furthermore, the wetland delineation has also been completed under a separate contract. This project entails the Phase I Preliminary Design for the Pedestrian Bridge Crossing of Blackberry Creek and associated improvements.

SCOPE OF SERVICES

Our firm proposes to furnish the necessary personnel, materials, equipment, and transportation to make necessary investigations, measurements, computations, and analysis to perform field and office civil engineering and land surveying services for the above referenced project, in

accordance with the detailed scope of services (attached as Exhibit A), accepted civil engineering practices, the current Subdivision Ordinance of the Village of Sugar Grove, the Illinois Department of Transportation Highway Standards and Road and Bridge Specifications and the requirements of the City of Elgin where applicable.

FEES AND CONDITIONS

The proposed method of payment for the required professional services will be on a fixed fee basis.

Exhibit B of the agreement summarizes our estimated compensation for professional engineering services. The total fixed fee for the project will be **\$109,976.00**.

Payment for all work will be based on invoices submitted periodically by our firm, but not more frequently than monthly as the work progresses. Invoices will be payable by the Client within 30 days of the date of the invoice. In the event that payment is not made by the Client within 30 days, interest will be charged at the rate of 1.5 percent per month on the unpaid balance.

This proposal shall be in effect for a period of sixty (60) days from the date of this proposal. If this proposal is not accepted within that period of time, our firm reserves the right to withdraw or revise this proposal.

Additional assignments not described above will be performed at an hourly rate for the various classifications of employees who will perform the work as listed on the attached Standard Schedule of Charges dated January 1, 2017, or in accordance with a separate proposal.

SCHEDULE

Exhibit C of the proposal outlines the anticipated schedule for the project.

QUALIFICATIONS

Engineering Enterprises, Inc. is actively engaged in the planning, design and construction of both public and private improvement projects requiring civil engineering and land surveying services in northern Illinois. We have invested in field and office facilities and equipment to efficiently produce this project. Our staff has the experience, enthusiasm and commitment to provide the required services in a reliable, timely and cost-effective manner.

While various members of our firm will perform the work on this project, the principal contact person with our firm will be David R. Burroughs, P.E., Senior Vice President, who will supervise the work. Additionally, the services of the following sub-consultants will be utilized: Huff & Huff, Inc. (environmental), Rubino Engineering, Inc. (geotechnical), and Alfred Benesch & Co. (structural).

Mr. P. Sean Michels
November 2, 2017
Page 3

ACCEPTANCE

If the Project Description, Scope of Services, and Fees and Conditions and Schedule, as cited above are satisfactory, please indicate your acceptance by signing both of the enclosed proposals and returning one of them to us for our records.

We welcome the opportunity to submit this proposal for professional services to you for your consideration. We look forward to working with and for you on this exciting project.

Respectfully submitted,

ENGINEERING ENTERPRISES, INC.

A handwritten signature in black ink, appearing to read "David R. Burroughs", written over the company name.

David R. Burroughs, P.E.
Senior Vice President

Enc.

cc: Michele Piotrowski, EEI
Colleen Jaltuch, EEI

AGREEMENT

All terms and conditions to this Agreement for Professional Services

accepted this _____ day of _____, 2017.

By _____

By _____

Village of Sugar Grove
Organization

10 Municipal Drive
Address

Sugar Grove IL 60554
City State Zip

Accepted this _____ day of _____, 2017.

ENGINEERING ENTERPRISES, INC.
Organization

52 Wheeler Road
Address

(corporate seal)

Sugar Grove IL 60554
City State Zip

By *Donald H. Bung*
Senior Vice President

By *Albert Anderson*
Secretary





Standard Schedule of Charges

January 1, 2016

EMPLOYEE DESIGNATION	CLASSIFICATION	HOURLY RATE
Senior Principal	E-4	\$190.00
Principal	E-3	\$185.00
Senior Project Manager	E-2	\$180.00
Project Manager	E-1	\$163.00
Senior Project Engineer/Planner/Surveyor II	P-6	\$150.00
Senior Project Engineer/Planner/Surveyor I	P-5	\$141.00
Project Engineer/Planner/Surveyor	P-4	\$129.00
Senior Engineer/Planner/Surveyor	P-3	\$117.00
Engineer/Planner/Surveyor	P-2	\$108.00
Associate Engineer/Planner/Surveyor	P-1	\$ 97.00
Senior Project Technician II	T-6	\$141.00
Senior Project Technician I	T-5	\$129.00
Project Technician	T-4	\$117.00
Senior Technician	T-3	\$108.00
Technician	T-2	\$ 97.00
Associate Technician	T-1	\$ 84.00
Engineering/Land Surveying Intern	I-1	\$ 80.00
GIS Technician	G-1	\$ 65.00
Administrative Assistant	A-3	\$ 78.00

CREW RATES, VEHICLES AND REPROGRAPHICS

1 Man Field Crew with Standard Survey Equipment	\$153.00
2 Man Field Crew with Standard Survey Equipment	\$240.00
1 Man Field Crew with RTS or GPS *	\$190.00
2 Man Field Crew with RTS or GPS *	\$276.00
Vehicle for Construction Observation	\$15.00
In-House Scanning and Reproduction	\$0.25/Sq. Ft. (Black & White) \$1.00/Sq. Ft. (Color)

*RTS = Robotic Total Station / GPS = Global Positioning System

**Blackberry Creek Bridge and Shared-Use Path Phase I
Village of Sugar Grove**

EXHIBIT A: SCOPE OF SERVICES

In order to successfully complete this project, various items will need to be addressed during the preliminary (Phase I) engineering for this project. Our proposed scope of services will include the following:

Phase I Engineering Services

The Phase I Study and Report will be prepared to Federal Standards as outlined in the Illinois Department of Transportation (IDOT) Bureau of Local Roads and Streets (BLRS) Manual. This contract includes work required to perform an Environmental Class of Action Determination (ECAD) which will be necessary to confirm processing of the project anticipated to be State Approved Categorical Exclusion (CE).

- A. Data Collection and Review
 - 1. Prepare photo log of project limits.
- B. Survey Services
 - 1. Topographic Survey of the project limits will be completed. The survey will be consistent with IDOT BLRS standards, utilizing state plane coordinate system (NAD 83) for horizontal control and NAVD 88 for vertical control.
- C. Drainage Study
 - 1. Since the project does not involve a state route, an IDOT Location Drainage Study will not be required. A Drainage Report outlining the floodplain analysis and hydraulic calculations for the structure will be prepared.
 - 2. The Drainage Study will identify and evaluate the existing drainage conditions and address any deficiencies.
 - 3. Floodplain and bridge modeling will be covered in the Drainage Study. This information will be submitted to IDNR-OWR and Kane County for review.
 - 4. The project is within the floodplain and the pedestrian bridge will require permitting by Army Corps of Engineers and IDNR. EEI will calculate the hydraulic design requirements for the bridge so that impacts to the floodplain can be assessed and hydraulic modeling and permitting requirements confirmed.
- D. Environmental Studies
 - 1. Items completed in this scope will be:
 - a. Social/Economic - Assumed no impacts
 - b. Agricultural – No coordination with the Illinois Department of Agriculture will be required since the project is within the Village’s municipal limits.
 - c. Cultural – A photo log of structures along the project corridor that appear to be greater than 40 years old will be completed. The photos will be submitted to IDOT for their in-house cultural review.
 - d. Air Quality – It has been assumed that since additional lanes are not being proposed IDOT will not require analysis. Noise – It has been assumed that no Noise Analysis will be required, as no additional lanes are being proposed.
 - e. Energy (Assumed no impacts);
 - f. Natural Resources – A tree survey will be performed.

- g. Water Quality/Resources – There are no known water quality issues to address with the project. No coordination with IDNR and ACOE for water quality purposes will be performed.
- h. Flood Plains – Hydraulic analysis and potential mitigation (if needed) will be included in the Drainage Study for the project.
- i. Wetlands – There are potential wetlands along the project corridor. A wetland screening has been done and a wetland delineation will be done, if necessary based on screening results.
- j. Special Lands – There are public lands within the project limits. It is anticipated that these entities will take ownership and maintenance responsibilities for the portion of the path and the bridge that occupy their land. Work on their lands can be processed using a Section 4(f) Temporary Occupancy Approval form (per 23 CFR 774.13(d)). If this is not the case, an addendum to the contract will be prepared to cover the work.
- k. Preliminary Environmental Site Assessment (PESA).
- l. ESR will be submitted to IDOT.

2. Additional Environmental studies

- a. Special Waste - A special waste analysis along the proposed path is the responsibility of the Local Agency, Huff and Huff will complete the PESA. We anticipate that there will be no areas that require additional special waste study, if it is determined that additional testing is necessary, an addendum to the contract will be prepared to cover the work.

E. PBDHR

1. TS&L

- a. This estimate assumes that a prefabricated steel pedestrian truss superstructure will be utilized to cross Blackberry Creek.
- b. Substructure design to accommodate the superstructure.
- c. Submittal to and review by IDOT will be coordinated.

2. Geotechnical Investigation

- a. Applicable soil borings will be taken along the project route and at subsurface bridge support locations.
- b. A Soils Geotechnical Report will be prepared.

3. PBDHR Report (BLR 10210) will be prepared for IDOT approval.

F. Project Report

- 1. Prepare draft report (latest BLR 22211) and report exhibits for Village and IDOT review.
- 2. Cost Analysis - Preliminary Opinions of Probable Costs will be developed for the entire project.
- 3. Address preliminary report comments from Village and IDOT and prepare final draft Project Development Report (PDR) for transmittal to IDOT.
- 4. Provide three (3) draft reports for review and comment to IDOT.
- 5. Address IDOT's comment on the draft report and prepare final Project Development Report.
- 6. Provide five (5) final Project Development Reports, three (3) to IDOT, two (2) to the Village of Sugar Grove including a copy in pdf format.

G. Meetings and Coordination

- 1. This project will require coordination and meetings with various agencies and

stakeholders. The coordination and meetings are as described below.

- a. Phase I Kick-off Meeting with the Village of Sugar Grove, Kane County Forest Preserve and Sugar Grove Park District.
 - b. Phase I Kick-off Meeting with IDOT representatives (Local Roads) – assume 1 meeting.
 - c. IDOT/FHWA Monthly Coordination Meeting – assume 1 meeting.
 - d. Meet with adjacent residents and businesses– assume 1 meeting.
2. Meeting Time and Specifications include:
- a. Engineering Enterprises, Inc. will have up to two (2) representatives at all coordination meetings (3 meetings) and up to four (4) representatives at all stakeholder meetings (1 meeting);
 - b. A maximum of four (4) hours per meeting have been allotted for all coordination meetings, including travel time; a maximum of six (6) hours per meeting have been allotted for stakeholder meetings, including travel time.
 - c. Meeting preparation time of two (4) hours per representative for progress and coordination meetings (2 meetings); meeting preparation time of six (6) hours per representative for the IDOT/FHWA Coordination Meeting to allow time for variance requests (1 meeting);
 - d. Meeting preparation time of up to four (4) hours per representative for presentations and selected stakeholder (Public Involvement) meetings (1 meeting);
 - e. Preparation and distribution of meeting minutes will be provided for all 4 meetings.

H. Project Administration

1. A monthly progress report will be provided to the Client
2. All materials will have a QA/QC review performed
3. Proper invoicing
4. Internal coordination and staff meetings

Exclusions:

1. The following items are not included in this contract. These items can be completed under a separate contract at an additional cost if necessary:
 - a. Bridge type study/evaluation with cost comparisons
 - b. Landscape Design
 - c. Survey beyond those identified in the scope.
 - d. Land Acquisition services, including plat of highways, appraisals, review appraisals, and negotiations.
 - e. Section 4(f) Programmatic Evaluation.
 - f. Design services of any kind.
 - g. Lighting design other than pole relocations.
 - h. Construction services of any kind.



Engineering Enterprises, Inc.

EXHIBIT B
ESTIMATE OF LEVEL OF EFFORT AND ASSOCIATED COST
PROFESSIONAL ENGINEERING SERVICES
BLACKBERRY CREEK BRIDGE AND SHARED-USE PATH - PHASE I PDR
VILLAGE OF SUGAR GROVE, ILLINOIS

WORK ITEM NO.	WORK ITEM	ENTITY: PROJECT ROLE: HOURLY RATE:	ENGINEERING				PROJECT MANAGER \$163	SURVEYING SENIOR PROJECT SURVEYOR II \$150	DRAFTING CAD MANAGER \$141	ADMIN. ADMIN. \$78	WORK ITEM HOUR SUMM.	COST PER ITEM
			PRINCIPAL IN CHARGE \$190	SENIOR PROJECT ENGINEER I \$141	SENIOR PROJECT ENGINEER II \$150	PROJECT ENGINEER \$129						
PRELIMINARY ENGINEERING												
1.1	Project Management and Administration		2	14							16	\$ 2,662
1.2	Kick-Off Meeting with Village and Forest Preserve		2	4	4						10	\$ 1,632
1.3	Data Collection and Analysis of Existing Conditions		2	2	2						4	\$ 626
1.4	Kick-Off Meeting with IDOT		6	8							16	\$ 2,436
1.5	Topographic Survey and Geotechnical Report					10	24				34	\$ 5,230
1.6	PESA, Wetlands, Tree Survey & ESR Coordination										9	\$ 1,350
1.7	Drainage Study and Modeling		10								72	\$ 9,628
1.8	Draft Bike Path Geometrics & Cross Sections		2	8	8						46	\$ 6,362
1.9	PBDHH & TSL		6	8							34	\$ 4,758
1.10	Finalize Geometrics & Cross Sections		2	4	4						30	\$ 4,118
1.11	Conduct Public/HOA Information Meeting		4	4	4						24	\$ 3,656
1.12	IDOT/FHWA Coordination Meeting		6	12							22	\$ 3,294
1.13	Drainage Technical Memorandum		8								30	\$ 4,142
1.14	Draft PDR		4	12	30						54	\$ 7,510
1.15	PDR Revisions and Final PDR		2	8	16						34	\$ 4,610
1.16	QC/QA		2	14							16	\$ 2,662
PROJECT TOTAL:			10	84	79	78	24	10	82	8	451	\$ 64,576

DIRECT EXPENSES	
Printing =	\$ 1,000
Geotechnical =	\$ 6,200
TSL =	\$ 30,000
PESA, Env. and Tree Survey =	\$ 8,100
DIRECT EXPENSES =	\$ 45,300

LABOR SUMMARY	
Engineering Expenses =	\$ 48,244
Surveying Expenses =	\$ 5,230
Drafting Expenses =	\$ 10,578
Administrative Expenses =	\$ 624
TOTAL LABOR EXPENSES =	\$ 64,676

TOTAL EXPENSES =	\$ 109,976
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Exhibit C
Phase I Engineering Services
Blackberry Creek Bridge and Shared-Use Path
Village of Sugar Grove
Kane County
Preliminary Engineering (Phase I) Schedule

Task Description	2017				2018												2019				
	D	J	F	M	A	M	J	J	J	A	S	O	N	D	J	F	M	A	M		
Phase I Agreement																					
Quality Control/Quality Assurance																					
Notice to Proceed/Project Start-Up																					
Project Scoping, Data Collection and Analysis of Ex. Conditions																					
Village Kick-off Meeting																					
Topographic Survey & Field Inspections																					
IDOT Coordination and Kick-Off Meeting																					
Public/Home Owner Association Information Meeting																					
PESA, Wetlands, Tree Survey, ESR																					
Environmental Survey Request Review																					
FHWA & IDOT Coordination Meeting																					
Preliminary TS&L																					
IDOT Review																					
Drainage Study, Modeling, and PBDHR																					
IDOT Review																					
Environmental Clearances and Approval																					
Final TS&L																					
IDOT Review																					
Finalize Geometrics & Cross Sections																					
Draft Project Development Report (PDR)																					
IDOT Review																					
Final PDR and Request Design Approval																					
Phase I Design Approval																					

Quality Control/Quality Assurance
 Proposal
 Engineering
 Key Dates
 Agency Review