


Municipality	L O C A L  A G E N C Y	 <b>Illinois Department of Transportation</b>	C O N S U L T A N T	Name Bravo Company Engineering
Township				Address 1111 Burington Ave, #108G
County Lake County – Division of Transportation		<b>Preliminary Engineering Services Agreement For Non-Motor Fuel Tax Funds</b>		City Lisle
Section 20-00999-79-RS				State Illinois

THIS AGREEMENT is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ between the above Local Agency (LA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the improvement of the above SECTION. Non-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 Hawley Street Resurfacing

Route CH 70/62 Length 3.17 Mi. 16,720 FT (Structure No. \_\_\_\_\_)

Termini Hawley St - IL Rte 176 to Midlothian Rd, Fremont Center - `800' north of Fremont Elementary/Intermediate School

#### Description:

Produce plans and secure permits as needed for 2022 letting of the resurfacing of Hawley St, provide topographic survey and design for removal and replacement of the Millennium Trail Bike Path, and fix a poorly draining ditch on Fremont Center Rd

### 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, **Lake County Stormwater Management Commission 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 **one (1) copy of each document in both hardcopy and electronic format**. Additional copies of any or all documents, if required, shall be furnished to the LA by the ENGINEER at the ENGINEER's actual cost for reproduction.
  - h. ☐ Furnish the LA with survey and drafts in **duplicate** 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.
  - 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.
  - l. ☒ **Services as included and/or defined in the attached Scope of Services.**
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 LA and** 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 the ENGINEER will perform such work without expense to the LA, even though final payment has been received by the ENGINEER. The ENGINEER 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 the ENGINEER and will show the ENGINEER's professional seal where such is required by law.

**The LA Agrees,**

1. ~~To pay the ENGINEER as compensation for all services rendered in accordance with this AGREEMENT according to the following method 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	(see note)
Under \$50,000	_____	%
	_____	%
	_____	%

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

2. To pay for all services rendered in accordance with this AGREEMENT at the actual cost of performing such work plus **\*\*** 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 the ENGINEER's actual cost. Subject to the approval of the LA, the ENGINEER may sublet all or part of the services provided in section 1 of the ENGINEER AGREES. If the ENGINEER sublets all or part of this work, the LA will pay the cost to the ENGINEER plus an additional service charge of up to five (5) percent.

"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. **\*\*see the CECs**

**The Total Not-to-Exceed Contract Amount shall be \$299,961.56**

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 section 1 of 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 sections 1 and 3 of the ENGINEER AGREES and prior to the completion of such services, the LA shall reimburse the ENGINEER for the ENGINEER's actual costs plus \*\* percent incurred up to the time the ENGINEER 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 \*\* 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 the ENGINEER's responsibility to prepare a complete and adequate set of plans and specifications.

**\*\*See the CECs**

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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 the ENGINEER's 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 the ENGINEER 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 the ENGINEER 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 quintuplicate counterparts, each of which shall be considered as an original by their duly authorized officers.

Executed by the LA:

ATTEST: \_\_\_\_\_ County of Lake \_\_\_\_\_ of the  
(Municipality/Township/County)  
State of Illinois, acting by and through its  
County Board  
By \_\_\_\_\_  
Lake County Clerk  
(Seal)

By \_\_\_\_\_  
Title Chair, Lake County Board

RECOMMENDED FOR EXECUTION

\_\_\_\_\_  
Shane E. Schneider, P.E.  
Director of Transportation/County Engineer  
Lake County

Executed by the ENGINEER:

ATTEST: \_\_\_\_\_  
Bravo Company Engineering, Inc.  
Engineering Firm  
1111 Burlington Avenue, Suite 108G  
Street Address  
Lisle, IL 60532  
City, State

By \_\_\_\_\_  
Title Reid Magner, P.E. – Vice President

By \_\_\_\_\_  
Title Joseph Kozial, P.E. - President

**Note: Three (3) Original Executed Contracts – (2) LCDOT; (1) Consultant**





# Hawley Street Resurfacing Project

Proposal to Provide

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Phase II Design  
Engineering Services

April 9, 2021

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Bravo Company Engineering, Inc.





April 9, 2021

Julian Rozwadowski, P.E.  
Senior Engineer  
Lake County Division of Transportation  
600 W Winchester Road  
Libertyville, Illinois 60048  
[jrozwadowski@lakecountyil.gov](mailto:jrozwadowski@lakecountyil.gov)

Re: Request for Proposal to Furnish Professional Design Engineering Services  
Hawley Street Resurfacing Project

We are pleased to submit for your consideration our experience and qualifications to provide professional design engineering services for Lake County's Hawley Street Resurfacing Project. This proposal demonstrates Bravo Company's capabilities as a certified veteran owned small business providing civil and transportation engineering consultant services. We connect with Local Public Agencies as partners to their staff and complete projects through the quality of our contributions with big picture understanding and relentless attention to detail.

We believe our work will speak for itself, but we realize that a host of factors determine which firm you ultimately choose. So why choose Bravo Company Engineering?

- **We're Experts in Our Fields**

One of the keys to our success is our professional team and our experience working with the Lake County Division of Transportation Policies & Procedures. We are a firm with solid relationships and knowledge of the project steps to be accomplished which are critical in achieving the County's target letting and completion date. We solve unique problems, ensuring your projects are always completed on time and within budget.

- **We're Client-Focused**

Our team members are not just experts, we are also excellent communicators. We know that keeping you informed at every step of the way is vital to the success of your project. We customize each project to your requirements and vision, always going the extra mile.

- **We're Committed to Our Communities**

Our employees live and work in the communities we serve. We take great pride in the quality of our projects, knowing that our clients and future generations will benefit from their use for years to come.

- **We're the Best of Both Worlds**

As a relatively small business, we offer a depth of resources and services that allows us to deliver superior quality and service. Our ability to tackle large-scale endeavors without driving up costs or sacrificing personalized service, makes us stand out as a client favorite.

With 20 years of experience, our team includes the same individual (also through previous employment) that has repeatedly delivered for the Lake County Division of Transportation in the role of a project manager and design engineer. Past projects include Stearns School Road over I-94 as part of a Tollway Design Team, 14<sup>th</sup> Street (Green Bay Rd to Sheridan Rd), Weiland Road (Lake Cook Rd to IL Rte 22), Quentin Road (Long Grove Rd to IL Rte 22), and the Petite Lake Road Realignment (IL Rte 59 to IL Rte 83).

**BE, KNOW, DO! Be the Expert | Know the Job | Do the Difficult.** Bravo Company has a record of project achievements, skillful guidance, expertise, leadership with contagious energy, and the capability to serve the County in an exceptional manner. We thank you for the opportunity to submit our proposal.

A handwritten signature in black ink that reads "Reid Magner". The signature is fluid and cursive, with a long horizontal stroke at the end.

Reid Magner  
Director of Design Services | Vice President  
1111 Burlington Avenue, Suite 108G  
Lisle, IL 60532  
[rmagner@bravocoeng.com](mailto:rmagner@bravocoeng.com)  
224.239.6346



## EXHIBIT A-1 SCOPE OF DESIGN ENGINEERING SERVICES

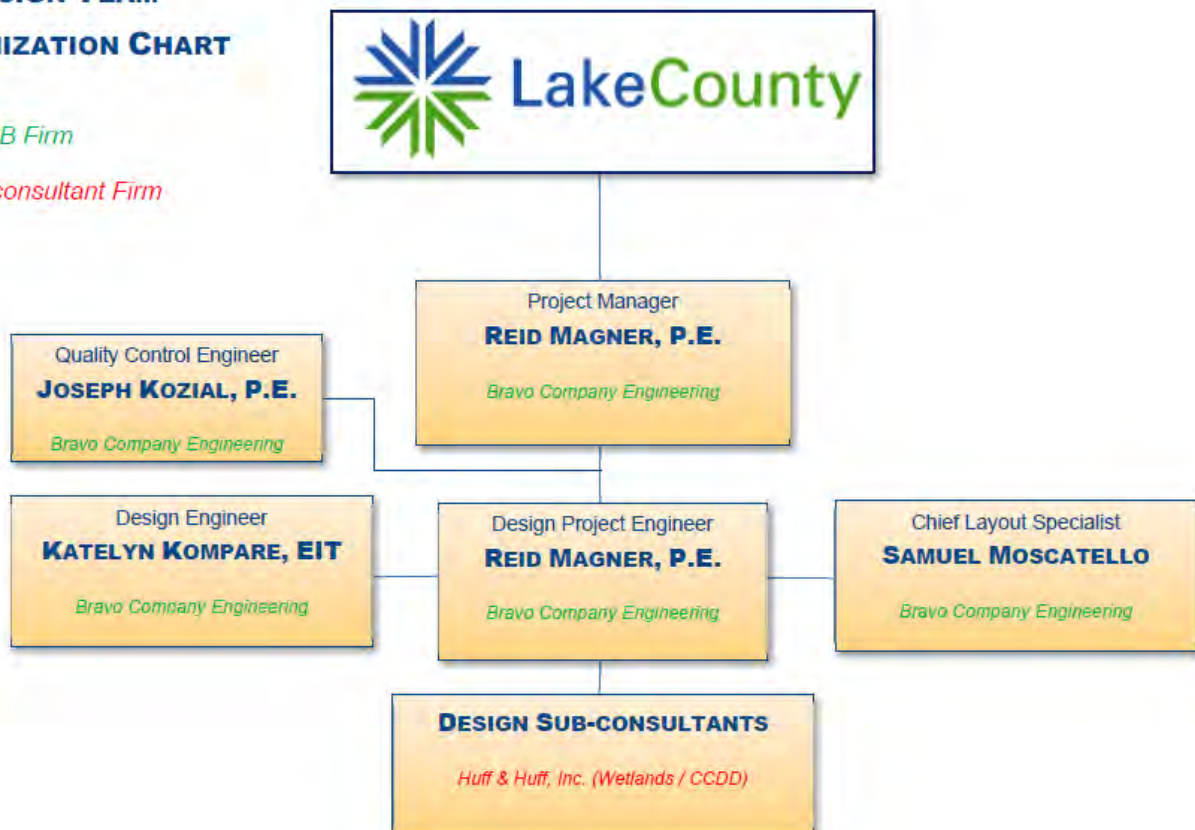
### I. GENERAL INFORMATION

Bravo Company Engineering is a certified Veteran Owned Small Business (VOSB) that provides civil and transportation engineering consultant services and is prequalified to complete the required engineering tasks related to Phases I, II, and III. The company has staff with over 20 years of engineering experience in design and construction. Bravo Company has a record of project achievements, skillful guidance, and expertise; we have leadership with contagious energy. Be Know Do!

#### DESIGN TEAM ORGANIZATION CHART

*VOSB Firm*

*Subconsultant Firm*



### II. TEAM EXPERIENCE AND QUALIFICATIONS

The Bravo Company Engineering team assembled is interested in providing the Design Engineering Services for the Hawley Street Resurfacing Project. Our team has experience working together while supporting Local Public Agency, IDOT, Tollway, and County staff with their design and construction administration for public right of way and infrastructure improvement projects. Together we have completed more than 50 federal, state, county, and locally funded projects.

We know that there are over 200 firms that are qualified through the County to perform the work on this project; however, there is no firm that can do the work as smoothly as Bravo Company Engineering. With our firm, there will be fewer issues which translates to reduced headaches for County staff and a well-run project. Any challenges or unique circumstances that arise will be handled efficiently and professionally, which is why Bravo Company Engineering's staff has been so successful for 20 years. This project is more than a design project to us; it is an improvement that affects the travel and lifestyle for many people, and we will make sure we leave a positive impact on the neighborhood community.

#### PROJECT MANAGER AND PROJECT ENGINEER **Reid Magner, P.E.**

Reid is the Vice President and co-owner of Bravo Company Engineering, and he has been working in the private consulting engineering field since 1998 with experience in roadway and highway design, bicycle/pedestrian facilities, stormwater management and drainage design, including both sanitary and water main. He has recently completed several municipal projects this past year, a few of which include: a Campus Parking Lot Improvement project in Addison, working closely with Village staff to obtain the necessary permits and contractor bids; a roadway resurfacing project in Addison utilizing Community Development Block Grant (CDBG) funding in addition to securing Rebuild Illinois (RBI) grant funding for the project; a design project for the Village of Schaumburg which included designing mid-block crossing enhancements near several schools and parks to ensure ADA compliance and pedestrian safety while also investigating the use of Rectangular Rapid Flashing Beacons (RRFB); and a sidewalk replacement project in Schaumburg which also used CDBG funding.



VILLAGE OF SCHAUMBURG MID-BLOCK PEDESTRIAN  
CROSSING ENHANCEMENTS

Reid's essential duties and responsibilities include, but are not limited to, the Project Manager as he will also serve as the Project Engineer. He will be available to work with the County and their Engineering Department staff. He understands local guidelines for cities/municipalities, counties, and other state agencies utilizing local Motor Fuel Tax funds, federal, and other specialty type funding such as Community Development Block Grants, Rebuild Illinois Grants, and Safe Routes to School. His traditional project work includes the design and preparation of plans, special provisions, permit applications, quantity calculations, estimates of cost and time, exhibits, and engineering specialty reports for projects. Reid possesses the technical competence and the ability to represent the Lake County Division of Transportation professionally in the office and the field as he is a strong personnel manager who can delegate and communicate effectively.

#### DESIGN ENGINEER **Katelyn Kompare, EIT**

Katelyn offers extensive knowledge and cooperative intergovernmental relationships with regulated utilities and local agencies to foster responsive solutions to a multitude of stakeholders. Her essential duties and responsibilities include, but are not limited to, the implementation of projects in accordance with guidelines for the Illinois Tollway, Illinois Department of Transportation, local cities/municipalities, counties, and other state agencies utilizing local, federal, and other specialty type funding. She is comfortable in meetings with developers and agencies, conducting public involvement activities, as necessary, and performing day-to-day engineering tasks as necessary to maintain project budgets, schedules, and staffing.

### III. PROJECT UNDERSTANDING AND APPROACH

The Lake County Division of Transportation is seeking a firm that is knowledgeable and responsible for engineering services assigned to manage and prepare contract reconstruction documents for the Hawley Street Resurfacing Project. Bravo Company Engineering will serve as a liaison between the County, residents, and local partners to obtain the necessary approvals and permits for the resurfacing improvement plan with timely completion and commitments required to finalize the design process and bid this project in March 2022.

Bravo Company Engineering understands that our role would include a thorough engineering evaluation of the project area, which includes approximately 16,720 feet





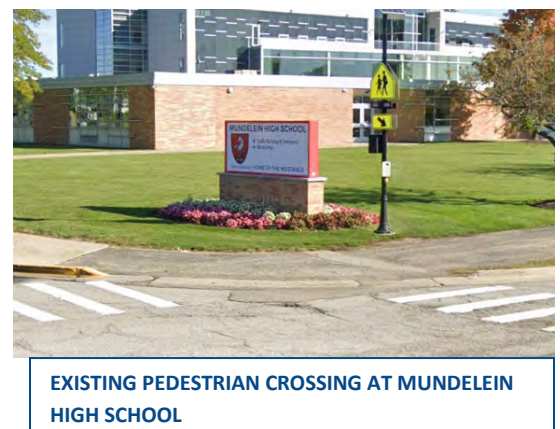
(3.17 mi) of roadway. The subject project area is depicted below and consists of Hawley Street from Route 176 to Midlothian Road and a portion of the Millennium Trail Bike Path. Additionally, this project will address drainage concerns that include water overtopping a drainage structure and high water levels on Fremont Center Road located about 800-ft north of the Fremont Elementary/Intermediate school intersection.



Having executed prior contracts with Lake County, Bravo Company Engineering understands that our roles would include a thorough engineering evaluation of the corridors with proximity to various neighborhoods and schools in the project area. We realize each of these locations poses its own unique design challenge, and all possible remedies will be thoroughly evaluated by Bravo Company Engineering. Generally, our technical review would entail a site inspection to document existing conditions, accessibility review, coordination with the County's various departments such as Traffic, Public Works, and PB&Z to acquire pertinent project information, and a code compliance check for both the County and external agencies items potentially affected by the proposed improvements. The most recent ADA and PROWAG Standards will be examined to provide the County with a compliant and thorough design.

Bravo Company Engineering will work closely with the Division and their staff to evaluate and gain a better understanding of the project scope and to further develop our project approach. We will coordinate with all necessary parties involved in the project such as the School District, IDOT, the Army Corps of Engineers for floodplain work and potential wetland impacts, and SMC to discuss project goals and permitting. We will move forward with obtaining survey data, and the development of plans, specifications, and estimates for the advertisement, bidding, and construction. The Bravo team will coordinate effectively with County staff to minimize revisions knowing that a change in the later stages of the project's review can delay or jeopardize a project's targeted completion date.

Equally important to the County's schedule to complete the design review is the budget. Our Project Manager routinely suggests ways to address impacts and resolve what may be challenging cost issues for local agency projects while working together with their staff. As such, our Project Manager and engineering team understand the obligations and requirements associated with an agency's desire to protect and rehabilitate infrastructure and pedestrian facilities; we possess that knowledge through extensive experience providing "real world solutions" in these matters.



#### IV. SCOPE OF SERVICES

The Bravo Company Engineering team will prepare the contract plans and bidding documentation (e.g. IDOT BLR 05530) for the resurfacing of Hawley Street as well as coordinate to obtain the available site soils investigations with CCDD

documentation (LPC-662/663 forms) and any necessary permitting that will be required by IDOT, SMC, the IEPA, and the Army Corps of Engineers. We will provide written records to document coordination efforts, always be available to interpret the plans, answer any questions throughout the design and construction phases, and assist the County with the bidding process and answering questions from Contractors. We recognize the number of schools in the project area and will be available to work with the School District and solve any issues that may arise; the School District's calendar year and schedule will be considered during construction to minimize disruption to school operations.



## 1. Early Coordination and Data Collection

- A. Initial Meetings with the Lake County Division of Transportation and SMC** – We will conduct initial meetings with the County staff involved with the project and SMC to discuss the project requirements, schedule, concerns, and coordination of the available data, records, and contract documents.
- B. Utility Company Coordination** – Bravo Company Engineering will submit to JULIE a Design Stage/Planning Information Request and indicate that we are in the design stage of the project. That information will be processed, and we will receive a list of affected member engineering contacts. BCE will send letters to the utility companies within the project limits requesting copies of their utility atlases, which will then be used to incorporate utility locations within our project base drawing.
- C. Clean Construction Demolition Debris (CCDD) Testing** – CCDD is uncontaminated broken concrete without protruding metal bars, bricks, rock, stone, or reclaimed asphalt pavement generated from construction or demolition activities. This CCDD material may include small incidental quantities of soil that are commingled as part of the removal process. When uncontaminated soil is mixed with any of these materials, the uncontaminated soil is also considered CCDD. The BCE team and our environmental subconsultant Huff & Huff will complete the required documentation for off-site final disposition of spoils at a clean construction or demolition debris (CCDD) facility. This work includes providing sampling documentation to Thelen Materials to undertake their advance screening assessment procedures and secure approval and an authorization letter for disposal to be included within the project specification bid book.
- D. Ecological Compliance Assessment Tool** – Because this resurfacing project is using local funds, the biological and cultural clearances will not be obtained through IDOT. Therefore, coordination for FWS federal endangered species, the IDNR coordination through the submittal of the Ecological Compliance Assessment Tool, and the Illinois SHPO material submittals for review of the proposed project areas will be completed by the BCE team and our environmental subconsultant Huff & Huff. The Huff & Huff subconsultant proposal is included as an attachment with additional details about the scope of this effort.



## 2. Field Survey and Preparation of Base Drawings

Bravo Company Engineering will perform a field inspection and survey of the project location; our Chief Layout Specialist will perform a survey of each roadway utilizing the horizontal and vertical controls, and survey guidelines as set forth by the LCDOT Design Survey Procedures (revised 2/22/2021). As part of the data collection, all visible utilities in the field will be picked up during survey, and we will make reasonable efforts to prepare construction drawings which minimize interference with existing utilities, infrastructure, and facilities in the construction area; we will depict on all appropriate documents the approximate position and type of each utility. After collecting and



organizing the survey data and available imagery, Bravo Company Engineering will use the available data to develop base sheets for the design plan preparation.

- 3. Data Evaluation / Project Review / Treatment Determination** – Bravo Company Engineering will review the field inspection and survey data, further refine the proposed restoration scope, and examine in depth the problem areas noted by LCDOT. BCE will meet with the County to discuss these areas of desired improvements and determine the most suitable solutions together. Items to be discussed include, but are not limited to, relocating the bike path versus tree pruning, installing reflective markers for point obstructions under extenuating circumstances for telephone utilities adjacent to the bike bath, extents of curb replacement, Fremont Center Road drainage study, constructing new pedestrian crossings in areas where they are currently nonexistent, and analyzing shoulder locations to determine where a 4-ft wide shoulder is feasible versus a 2-ft shoulder.

**4. Pre-Final Plans, Special Provisions, and Engineer's Estimate of Cost**

Bravo Company Engineering will prepare and complete the contract documents in accordance with the applicable Lake County Division of Transportation policies and standards as set forth by the LCDOT Plan Preparation Guidelines (revised 3/10/17). The base sheets for use in the development of the construction documents shall be at an appropriate scale which can be printed to pdf for electronic distribution. We can provide initial submittals to the County and other invested parties to demonstrate progress and to ensure needs and desires are being addressed. Detailed quantity calculations will be developed based on the plans and the electronic base drawings to establish an engineer's estimate of cost. We can also meet periodically with the County to review design details and the project schedule and cost if desired. Our prefinal plans will address the below list of items:

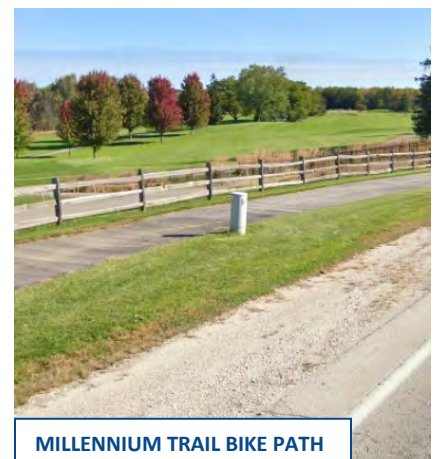
**A. Resurface Hawley Street**

- From Route 176 to N. Chevy Chase Road and from Route 60 to Midlothian Road, mill 1.5" and resurface with 1.5" HMA surface course.
- From N. Chevy Chase Road to Route 60, mill 2.5" and resurface with  $\frac{3}{4}$ " leveling binder, 2.25" binder course, and 1.5" surface course, totaling 4.5" of new pavement.
- From 600-ft west of Route 60 to Route 60, mill 3" and resurface with  $\frac{3}{4}$ " leveling binder, 2.75" binder course, and 1.5" surface course, totaling 5" of new pavement.
- Bravo Company Engineering will investigate widening to a 4-ft paved shoulder within limits of the existing aggregate shoulder; to account for any elevation differences, up to 3" of aggregate shoulder top dressing will be provided as well as a 3-ft width of seeding (complete). In general, the proposed paved shoulder widening will be depicted on the plan sheets. Our team will also investigate areas requiring guardrail and curb and gutter removal and replacement.



- B. Millennium Trail Bike Path** – Where the existing bike path layout is compliant with current LCDOT bike path standards, remove the existing HMA path and base and replace it with 3" HMA surface on 6" aggregate base course in its existing location. In locations where the layout is noncompliant, the bike path will be redesigned to reflect current standards; the existing path will be removed, the landscaping in that area will be restored, and the new bike path will be excavated and installed with 3" HMA surface on 6" aggregate base. To accurately reflect this work, 50-ft cross sections and cross sections at driveways will be developed.

Bravo Company Engineering will review LCDOT bike path standards and evaluate the cross sections and data from field inspections to determine where the trail can remain and where it should be



reconstructed due to low-hanging tree branches, incorrect cross slopes, noncompliant clearances to telephone poles and utility boxes, etc.

- C. **Fremont Center Drainage Study** – About 800-ft north of the Fremont Elementary/Intermediate School intersection, Bravo Company Engineering understands there is an existing drainage structure and pipe drain east of Fremont Center Road which travels west via 4" tile; water backs up and overtops the structure on the east side of the road as there is also a pond on the west side of Fremont Center with high water levels. BCE will investigate the existing soccer field pond influence and drainage on the 4" tile drain, east side drainage structure, and contributing ditch line drainage areas as well as the sinkholes in the shoulders.



- D. **Culvert 422 under Hawley Street (west of La Vista Drive)** – This existing 24" RCP has been televised by LCDOT, and it was noted that the roadway shoulder asphalt under the guardrail is beginning to settle near the culvert. Bravo Company Engineering will take a further look at the culvert area, but based on the preliminary data, the most viable solution would be end section replacement with joint ties and a pavement patch across Hawley Street to remove all poor trench backfill materials.
- E. **ADA Pedestrian Crossing Improvements** – Bravo Company Engineering will evaluate the existing ADA ramps and pedestrian crossings and redesign them to ensure ADA compliance; at a minimum, all detectable warnings will be replaced to install cast iron panels. Plan details providing proper ramp slopes and dimensions, side curbs, detectable warning panel layout/sizes/radii, and improved pedestrian push button access will be included. A few of these existing locations where improvements will be provided are as follows:

- SW and SE Gilmer Road
- NW, SW, and SE La Vista Drive
- NW, SW, NE, and SE Chevy Chase Road
- NW and NE Route 60
- NW, SW, NE, and SE Atwater Drive
- NW, SW, SE, and NE Midlothian Road
- The Chapel Church Entrance
- NE and NW Kings Way
- NE and NW Woodhaven Drive
- East Entrance to Mundelein High School



- F. **Wetlands and Floodplains** – A joint application to the Army Corps of Engineers will be completed for the potential work within the floodplain and wetlands in the project area, and potential isolated wetland permitting procedures through LCSMC with Boundary Verifications and Preliminary Jurisdictional Determinations.
- G. **Improvements at Signalized Intersections** – Bravo Company Engineering will include Standard Details and Pay Items for Loop Detector Removal and Replacement, and Traffic Signal Maintenance at the signalized intersections of Route 60 and Hawley Street, Midlothian Road and Hawley Street, and Route 176 and Hawley Street. Our team will coordinate with IDOT Bureau of Traffic to find existing detector loop locations, and submit the appropriate permitting documents with a cover sheet, plan sheets and standard details to the IDOT Bureau of Traffic to facilitate their review and approval.

## 5. Final Plans, Special Provisions, and Engineer's Estimate of Cost

Bravo Company Engineering will submit the contract documents to the Lake County Division of Transportation for final plan review. If necessary, we will also meet with the County or any other agencies and utilities to discuss review comments or to resolve conflicts. Plans will be submitted in a printable pdf electronic format, as well as hard paper



copies when requested, and the Engineer's Estimate of Cost will be submitted in Excel format (for both pre-final and final). A disposition of comments will be provided to address the LCDOT comments from the review submittal. Upon project completion, all CADD files will be provided to LCDOT.

**6. Project Administration, Advertisement, Bid Coordination, Award Recommendation, Pre-Construction Assistance**

After the completion of the County's final plan review, we will address comments received and bring resolution to any concerns. The bid contract plans, special provisions, and engineer's estimate of cost will be provided by Bravo Company Engineering.

**7. Construction Engineering Services**

Bravo Company Engineering will be available to answer any questions during construction, assist with issues such as addendums between plan posting and bid, and we will create new plan details and solutions for any unforeseen issues that may arise during construction. Our team recognizes communication is essential with residents, businesses, and schools in the area to ensure pedestrian safety and minimal impacts to the community and businesses operations. Additionally, progress updates will be shared with the County on a weekly basis.

## V. PROJECT SCHEDULE

A project schedule is a strategic and important tool for guiding a project successfully to its target letting date. Bravo Company Engineering's milestone schedule is a summary that allows the project team to review and identify all the significant and major project related milestones that are to be achieved during the project. Our milestones are significant events in the project usually marked by the completion of a major deliverable. A tentative schedule is as follows and will be adjusted based upon the County's input and permitting requirements.

- March 31, 2021 – Proposal Submittal
- April 19, 2021 – Final Proposal and Contract Submittal to LCDOT
- May 11, 2021 - County Board Approval with Notice to Proceed
- December 13, 2021 - Pre-Final PS&E Submittal for LCDOT Review and Comments
- February 11, 2022 - Final PS&E Submittal
- February 17, 2022 – Bid Advertisement
- February 24, 2022 – Plans and Specifications Publication
- March 15, 2022 – Bid Opening
- May 2022 – Begin Construction

## VI. OTHER FACTORS

Bravo Company Engineering and our assembled team of engineers can meet this contract obligation with our current staff and have the knowledge and experience to perform the tasks assigned while also fulfilling the schedule required. Having a team with surveyors, engineers, technicians, and sub-consultants will ensure we can provide the proper staff when required. We can abide by the County's standard form agreement, and we have no conflicts of interest or other factors impacting the value and quality of our work.

Bravo Company Engineering and its team commit to making the necessary expertise and manpower available to meet the needs of this project. We are confident that our team has what it takes to produce a successful project and quality product that Elmhurst, our team, and the community can be proud of. Very fitting for this project is Bravo Company Engineering's philosophy mantra of **BE, KNOW, DO!** Be the expert, Know the job, and Do the difficult!



# Exhibit A-2 Preliminary Engineering

Route: Hawley Street Resurfacing Project  
 Local Agency: Lake County Division of Transportation  
 Section: 20-00999-79-RS  
 Project: M-XXXX(XXX)  
 Job No: D-XX-XXX-XX

\*Firm's **approved rates** on file with IDOT's Bureau of Accounting and Auditing:  
 Overhead Rate (OH) 1.2  
 Complexity Factor (R) 0.000  
 Calendar Days 360

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) + 1.5(DL) + IHDC]  
 Cost Plus Fixed Fee 3 ☐ 14.5%[(2.3 + R)DL + IHDC]  
 Specific Rate ☐  
 Lump Sum ☐

See Exhibit A-1 for Scope of Services

See Exhibit A-3 for a detailed Workhour Estimate.

See Exhibit A-4 for detailed Services by Others and In-House Direct Costs.

Cost Estimate of Consultant's Services									
Element of Work	Employee Classification	Man-hours	Payroll Rate	Payroll Costs (DL)	Overhead*	Services by Others	In-House Direct Costs (IHDC)	Profit	Total
1 Early Coordination and Data Collection						\$ 65.00	\$ 38,041.00	\$ -	\$ 38,106.00
	Project Manager	8.0	\$ 60.00	\$ 480.00	\$ 576.00			\$ 153.12	\$ 1,209.12
	Engineer IV	26.0	\$ 50.00	\$ 1,300.00	\$ 1,560.00			\$ 414.70	\$ 3,274.70
\$47,663.09	Engineer II	53.0	\$ 38.00	\$ 2,014.00	\$ 2,416.80			\$ 642.47	\$ 5,073.27
	Chief Layout Specialist	0.0	\$ 42.00	\$ -	\$ -			\$ -	\$ -
2 Field Survey and Preparation of Base Drawings						\$ 6,460.00	\$ -	\$ -	\$ 6,460.00
	Project Manager	2.0	\$ 60.00	\$ 120.00	\$ 144.00			\$ 38.28	\$ 302.28
	Engineer IV	48.0	\$ 50.00	\$ 2,400.00	\$ 2,880.00			\$ 765.60	\$ 6,045.60
\$36,889.52	Engineer II	88.0	\$ 38.00	\$ 3,344.00	\$ 4,012.80			\$ 1,066.74	\$ 8,423.54
	Chief Layout Specialist	148.0	\$ 42.00	\$ 6,216.00	\$ 7,459.20			\$ 1,982.90	\$ 15,658.10
3 Data Evaluation / Project Review / Treatment Determination						\$ 65.00	\$ -	\$ -	\$ 65.00
	Project Manager	6.0	\$ 60.00	\$ 360.00	\$ 432.00			\$ 114.84	\$ 906.84
	Engineer IV	50.0	\$ 50.00	\$ 2,500.00	\$ 3,000.00			\$ 797.50	\$ 6,297.50
\$17,002.76	Engineer II	84.0	\$ 38.00	\$ 3,192.00	\$ 3,830.40			\$ 1,018.25	\$ 8,040.65
	Chief Layout Specialist	16.0	\$ 42.00	\$ 672.00	\$ 806.40			\$ 214.37	\$ 1,692.77
4 Pre-Final Plans, Special Provisions, and Engineer's Estimate of Cost						\$ 385.00	\$ -	\$ -	\$ 385.00
	Project Manager	24.0	\$ 60.00	\$ 1,440.00	\$ 1,728.00			\$ 459.36	\$ 3,627.36
	Engineer IV	236.0	\$ 50.00	\$ 11,800.00	\$ 14,160.00			\$ 3,764.20	\$ 29,724.20
\$164,120.00	Engineer II	1340.0	\$ 38.00	\$ 50,920.00	\$ 61,104.00			\$ 16,243.48	\$ 128,267.48
	Chief Layout Specialist	20.0	\$ 42.00	\$ 840.00	\$ 1,008.00			\$ 267.96	\$ 2,115.96
5 Final Plans, Special Provisions, and Engineer's Estimate of Cost						\$ 320.00	\$ -	\$ -	\$ 320.00
	Project Manager	4.0	\$ 60.00	\$ 240.00	\$ 288.00			\$ 76.56	\$ 604.56
	Engineer IV	36.0	\$ 50.00	\$ 1,800.00	\$ 2,160.00			\$ 574.20	\$ 4,534.20
\$16,945.40	Engineer II	120.0	\$ 38.00	\$ 4,560.00	\$ 5,472.00			\$ 1,454.64	\$ 11,486.64
	Chief Layout Specialist	0.0	\$ 42.00	\$ -	\$ -			\$ -	\$ -
6 Project Admin., Advertisement, Bid Coord., Award Recommendation, Pre-Constr. Asst.						\$ -	\$ -	\$ -	\$ -
	Project Manager	14.0	\$ 60.00	\$ 840.00	\$ 1,008.00			\$ 267.96	\$ 2,115.96
\$14,318.00	Engineer IV	30.0	\$ 50.00	\$ 1,500.00	\$ 1,800.00			\$ 478.50	\$ 3,778.50
	Engineer II	88.0	\$ 38.00	\$ 3,344.00	\$ 4,012.80			\$ 1,066.74	\$ 8,423.54
	Chief Layout Specialist	0.0	\$ 42.00	\$ -	\$ -			\$ -	\$ -
7 Construction Engineering Services				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Project Manager	4.0	\$ 60.00	\$ 240.00	\$ 288.00			\$ 76.56	\$ 604.56
	Engineer IV	4.0	\$ 50.00	\$ 200.00	\$ 240.00			\$ 63.80	\$ 503.80
\$3,022.80	Engineer II	20.0	\$ 38.00	\$ 760.00	\$ 912.00			\$ 242.44	\$ 1,914.44
	Construction Administration / Inspector	0.0	\$ 50.00	\$ -	\$ -			\$ -	\$ -
	Chief Layout Specialist	0.0	\$ 42.00	\$ -	\$ -			\$ -	\$ -
<b>Totals</b>		<b>2,469.0</b>		<b>\$ 101,082.00</b>	<b>\$ 121,298.40</b>	<b>\$ 7,295.00</b>	<b>\$ 38,041.00</b>	<b>\$ 32,245.16</b>	<b>\$ 299,961.56</b>

## Exhibit A-3 Preliminary Engineering

Workhour Estimate								
Item No.	Task	Staff Classifications & Workhours					Total Workhours	% of Workhours
		Project Manager	Engineer IV	Engineer II	Constr. Admin. / Inspector	Chief Layout Specialist		
Scope of Services								
1	Early Coordination and Data Collection							
	A. Initial Kick-Off Meeting with the LCDOT staff and SMC	2.0		4.0			6.0	6.9%
	B. Utility Coordination through JULIE and LCDOT Utilities Permit Coordinator	4.0		32.0			36.0	41.4%
	C. Evaluation of Project Wetland Report, Soil Borings, Permits, and EcoCAT	2.0	24.0	16.0			42.0	48.3%
	i. Clean Construction Demolition Debris (CCDD) Testing and Sampling		2.0	1.0			3.0	3.4%
	Item 1 Subtotal	8.0	26.0	53.0	0.0	0.0	87.0	100.0%
2	Field Survey and Preparation of Base Drawings							
	A. Field Review of Project with Photolog to Document Existing Conditions		24.0	24.0			48.0	16.8%
	B. Perform a Survey of Hawley St and Fremont Center Rd to Establish Horiz. and Vert. Controls					100.0	100.0	
	C. Importing and Conversion of Collector Data to Develop Surface Models and Linework	2.0				48.0	50.0	
	D. Preparation of Base CADD File and Sheet Drawings with an Aerial Overlay		24.0	64.0			88.0	30.8%
	Item 2 Subtotal	2.0	48.0	88.0	0.0	148.0	286.0	47.6%
3	Data Evaluation / Project Review / Treatment Determination							
	A. Review Field Inspection / Survey Data and Examine Noted Problem Areas	2.0	24.0	32.0		16.0	74.0	47.4%
	B. Meeting with LCDOT and Additional Stakeholders to Discuss Problems and Potential Solutions	2.0	2.0	12.0			16.0	10.3%
	C. Fremont Center Road Drainage Study	2.0	24.0	40.0			66.0	42.3%
	Item 3 Subtotal	6.0	50.0	84.0	0.0	16.0	156.0	100.0%
4	Pre-Final Plans, Special Provisions, and Engineer's Estimate of Cost							
	A. Plans							
	Title Sheet/Index of Sheets/State and LCDOT Standards (1 sheet)		2.0	6.0			8.0	0.5%
	General Notes and List of Commitments (2 sheets)		2.0	6.0			8.0	0.5%
	Summary of Quantities (3 sheets)		4.0	8.0			12.0	0.7%
	Schedule of Quantities (12 sheets)		2.0	24.0			26.0	1.6%
	Typical Roadway Sections (4 sheets)	2.0	16.0	40.0			58.0	3.6%
	Alignment, Ties, and Benchmarks (1 sheet)		2.0	12.0		16.0	30.0	1.9%
	Roadway Plan Sheets (removal/paving/stripping) - dual pane 1"=40' (14 sheets)	2.0	32.0	280.0			314.0	19.4%
	Culvert 422 Repair Plan Sheet (culvert removal/rehab/sesc) - dual pane 1"=20' (1 sheet)	2.0	8.0	48.0			58.0	3.6%
	Fremont Center Road Drainage Improvements and Cross Sections (4 sheets)	2.0	20.0	56.0			78.0	4.8%
	Erosion Control Plan (general notes and SMC typical notes) - dual pane 1"=20 (3 sheets)	2.0	6.0	16.0			24.0	1.5%
	Traffic Control Plan Sheets (TCP notes, no staging, typ. RWA signs) - dual pane 1"=100' (5 sheets)	2.0	4.0	32.0			38.0	2.3%
	Cross Sections (shldr-path sections, 6/sht, landscape orientation) - 50ft and at Drwys (60 sheets)	4.0	30.0	480.0			514.0	31.7%
	ADA Pedestrian Crossing Improvements - 27 Locations ± (27 sheets)		54.0	216.0			270.0	16.7%
	Roadway Construction Details and LCDOT Std. Highway Details (12 sheets)		1.0	12.0			13.0	0.8%
	IDOT Bureau Of Design Stds. w/ BD's and TC's, and Std. Highway Details (added to SPs)		1.0	8.0			9.0	0.6%
	B. Special Provisions	2.0	24.0	40.0			66.0	4.1%
	C. Quantity Calculations and Estimate of Cost	2.0	12.0	40.0			54.0	3.3%
	D. QA/QC Review	4.0	16.0	16.0		4.0	40.0	2.5%
	Item 4 Subtotal	24.0	236.0	1,340.0	0.0	20.0	1,620.0	100.0%
5	Final Plans, Special Provisions, and Engineer's Estimate of Cost							
	A. Final Contract Document Modifications (Plan, Special Provisions, Quantities)	4.0	36.0	120.0			160.0	100.0%
	→ includes a disposition of comments to address the review comments received						0.0	
	Item 5 Subtotal	4.0	36.0	120.0	0.0	0.0	160.0	100.0%
6	Project Admin., Advertisement, Bid Coord., Award Recommendation, Pre-Constr. Asst.							
	A. Project Administration (invoice preparation and job-file documentation)	8.0					8.0	6.1%
	B. McHenry-Lake County SWCD Permitting and WDP Through LCSMC with CW#1 Permit (MOU with LCSMC for SE/SC and USACOE Permit Coordination)	2.0	22.0	48.0			72.0	54.5%
	C. IEPA and SWPPP Permitting and Documentation (NOI, NOT, ION, plus BDE 2343a and BC 2259)	2.0	2.0	16.0			20.0	15.2%
	D. IDOT Bureau of Traffic Permitting and Documentation	2.0	6.0	24.0			32.0	24.2%
	E. CCDD Permitting and Documentation (coordination with Huff and Huff included with Item 1.C.i)						0.0	
	Item 6 Subtotal	14.0	30.0	88.0	0.0	0.0	132.0	100.0%
7	Construction Engineering Services							
	A. Project Administration, Pre-Construction Meeting Attendance, Project Coordination and QA/QC	4.0	4.0	20.0			28.0	100.0%
	→ includes assistance with any issues such as addendums between plan posting and bid, and we will create new plan details and solutions for any unforeseen issues that may arise during construction							
	B. Verify Construction Layout						0.0	
	C. Part-Time Construction Engineering Observation / Inspection						0.0	
	D. Traffic Control / Site Cleanliness Monitoring						0.0	
	E. Documentation						0.0	
	F. Weekly Progress Meetings, Stakeholder Coordination (with updates sent to City)						0.0	
	G. 24-hour Contact Information and Question Answering						0.0	
	H. Punchlist, Miscellaneous Items, and Final Inspection						0.0	
	I. Final Agreement to Quantities						0.0	
	J. Project Closing and Job Box Submittal						0.0	
	Item 7 Subtotal	4.0	4.0	20.0	0.0	0.0	28.0	100.0%
	Total Workhours:	62.0	430.0	1,793.0	0.0	184.0	2,469.0	
	% of Workhours:	2.5%	17.4%	72.6%	0.0%	7.5%	100.0%	



## Exhibit A - 4 Preliminary Engineering

Services by Others and In-House Direct Costs			
Item No.	Task	In-House Direct Cost	Sub-Consultant Cost
<b>1 Early Coordination and Data Collection</b>			
	Vehicle: Kickoff Mtgs. - 2 trips @ vehicle 1/2 day (\$65.00 per day)	\$65.00	
	Sub-Consultant: Huff & Huff (Wetlands, Special Waste and CCDD Testing)		\$38,041.00
	<b>Item 1 Subtotal</b>	<b>\$65.00</b>	<b>\$38,041.00</b>
<b>2 Field Survey and Preparation of Base Drawings</b>			
	Equipment: Total Station, Supplies (lath, rebar, ribbon), and Tools	\$5,550.00	
	Vehicle: Survey Truck (\$65.00 per day) 11 Days for Field / Site Inspection	\$715.00	
	Vehicle: Field Inspection - 3 trips @ \$65.00 per day	\$195.00	
	<b>Item 2 Subtotal</b>	<b>\$6,460.00</b>	<b>\$0.00</b>
<b>3 Data Evaluation / Project Review / Treatment Determination</b>			
	Vehicle: Additional Mtgs. - 2 trips @ vehicle 1/2 day (\$65.00 per day)	\$65.00	
	<b>Item 3 Subtotal</b>	<b>\$65.00</b>	<b>\$0.00</b>
<b>4 Pre-Final Plans, Special Provisions, and Engineer's Estimate of Cost</b>			
	Printing: SPs - 200 (8"x11") pages @ \$0.40/ea. @ 4 sets (coil bound)	\$320.00	
	Printing: Plans - 149 (11"x17") pages @ \$1.00/ea. @ 4 sets		e-sheet submittal
	Shipping: 10 Utility packages @ \$30.00/ea.		
	Vehicle: Survey Truck (\$65.00 per day) Design Field Check and Submittal	\$65.00	
	<b>Item 4 Subtotal</b>	<b>\$385.00</b>	<b>\$0.00</b>
<b>5 Final Plans, Special Provisions, and Engineer's Estimate of Cost</b>			
	Printing: SPs - 200 (8"x11") pages @ \$0.40/ea. @ 6 sets	\$320.00	
	Printing: Plans - 149 (11"x17") pages @ \$1.00/ea. @ 4 sets		e-sheet submittal
	Shipping: 10 Utility packages @ \$30.00/ea.		
	<b>Item 5 Subtotal</b>	<b>\$320.00</b>	<b>\$0.00</b>
	<b>Total In-House Direct Costs:</b>	<b>\$7,295.00</b>	<b>-</b>
	<b>Total Subconsultant Costs:</b>	<b>-</b>	<b>\$38,041.00</b>
	<b>TOTAL IN-HOUSE DIRECT &amp; SUBCONSULTANT COSTS:</b>	<b>\$45,336.00</b>	



## Reid Wagner, P.E.



I have been working in the private consulting engineering field since 1998 with experience in roadway and highway design, bicycle/pedestrian facilities, storm water management and drainage design, and both sanitary and water main. I have completed more than 40 federal projects including engineering specialty reports for land acquisition and eminent domain projects where I am qualified as an expert witness through the ICC and Circuit Courts of Cook, McHenry, DuPage, Kane, Will and Lake Counties, IL.

I am engaged, enthusiastic, and volunteer throughout the Chicagoland Region with Professional Societies and Technical Advisory Committees. I serve the American Public Works Association as their government affairs liaison, snow and ice education chairman, and served as president of their Suburban Branch. I also serve with the American Council of Engineering Companies-IL on their IDOT District 1 Committee, Capital Development Board Committee, Engineering Excellence Awards Committee, and DBE/WBE/MBE Committee. I have a proven record of large project achievements; understanding of planning, design, land acquisition, and construction services; skillful guidance and expertise extending thru the design engineering team, and leadership with contagious energy and project engagement.

Essential Duties and Responsibilities include the implementation of projects in accordance with guidelines for local cities/municipalities, counties, and other state agencies utilizing local, federal, and other specialty type funding. My project work includes the design and preparation of plans, special provisions, permit applications, quantity calculations and estimates of cost and time, exhibits and engineering specialty reports for projects, and subsurface utility engineering.

I lead meetings with clients and agencies, conduct public involvement activities, as necessary, and perform day-to-day engineering tasks as dictated by workload.

### Expressway / Highway / Street Projects

- Reagan Memorial Tollway (I-88), IL 56 to Fox River, Pavement and Structural Preservation; Illinois Tollway
- Tri-State Tollway (I-94), Stearns School Road Bridge Reconstruction; Illinois Tollway
- Granart Road Full-Depth Pavement Reclamation (FDR) and Stabilization; Village of Big Rock
- Hinckley Road Pavement Resurfacing; Village of Big Rock
- John Street and Raymond Road Subdivision Pavement Resurfacing; Village of Big Rock
- Kingery West CDBG (HUD) Subdivision Streets Resurfacing Program; Village of Addison

### Bicycle and Pedestrian Projects

- RRFB Mid-Block Crossing Installations and ADA Sidewalk Improvements; Village of Schaumburg
- Sidewalk CDBG (HUD) Program for Weathersfield Units 7, 14, 16, and 18 Subdivisions

### Site Projects

- Addison Village Campus Improvements; Village of Addison
- Lake Zurich Retail Center; Midwest Design & Construction, LLC
- Tractor Trailer Parking and Off-Road Overnight Facility Design; Trine Construction Corporation

### Drainage and Utility Projects

- Woodfield Lake Office Campus Association Drainage and Dam Inspections; Colliers International
- Eisenhower Expressway (I-290), Water Main Auger and Embankment Boring; Village of Addison
- 143<sup>rd</sup> Street SUE Level "A" and "B", Lemont Road to Bell Road, Will County Division of Transportation
- Laraway Road SUE Level "A" and "B", US 52 to Cherry Hill Road, Will County Division of Transportation

### Education and Registrations and Professional Organizations

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>▪ B.S. Civil Engineering, 1997 Purdue University</li> <li>▪ Professional Engineer - Illinois; 062-056273</li> <li>▪ National Council of Examiners for Engineering and Surveying - Record No. 17-775-07</li> <li>▪ IDOT Documentation of Contract Quantities; 17-3187 (expires 12/7/2021)</li> <li>▪ Septic Design Engineer; OWTSLIC 93-2017</li> </ul> | <ul style="list-style-type: none"> <li>▪ IDOT Erosion and Sediment Control Workshop Module I: Fundamental Module</li> <li>▪ IDOT Erosion and Sediment Control Workshop Module II: Design Module</li> <li>▪ IDOT ADA-PROWAG Training</li> <li>▪ CDB Project Manager Training Engineers</li> <li>▪ American Council of Engineering Companies - IL</li> <li>▪ American Public Works Association – Chicago Metro</li> </ul> |
|---|---|

## Katelyn Kompare, E.T.



I have been working in the private consulting engineering field since 2010 with experience in the development of freeways and highways, bicycle and pedestrian facilities, storm water and drainage facilities, water main and utilities, and the engineering evaluation of land acquisition impacts through the preparation of specialty engineering reports.

I understand the planning processes, design, land acquisition, and construction service components that relate to the development of a highway project. I am thoughtful in my analysis, research, and written reports which are prepared to summarize opinions and to document project related impacts. My project work includes the design and preparation of plans, special provisions, permits, zoning applications, quantity calculations and estimates of cost and time, and perspective roadway exhibits for specialty reports.

Essential Duties and Responsibilities include, but are not limited to, the implementation of projects in accordance with guidelines for the Illinois Tollway, Illinois Department of Transportation, local cities/municipalities, counties, and other state agencies utilizing local, federal, and other specialty type funding.

I am comfortable in meetings with clients and agencies, conducting public involvement activities, as necessary, and performing day-to-day engineering tasks as necessary to maintain project budgets, schedules, and staffing.

### Expressway / Highway / Street Projects

- Reagan Memorial Tollway (I-88), IL 56 to Fox River, Pavement and Structural Preservation; Illinois Tollway
- Tri-State Tollway (I-94), Stearns School Road Bridge Reconstruction; Illinois Tollway
- Granart Road Full-Depth Pavement Reclamation (FDR) and Stabilization; Village of Big Rock
- Hinckley Road Pavement Resurfacing; Village of Big Rock
- John Street and Raymond Road Subdivision Pavement Resurfacing; Village of Big Rock
- Kingery West CDBG (HUD) Subdivision Streets Resurfacing Program; Village of Addison

### Bicycle and Pedestrian Projects

- RRFB Mid-Block Crossing Installations and ADA Sidewalk Improvements; Village of Schaumburg
- Sidewalk CDBG (HUD) Program for Weathersfield Units 7, 14, 16, and 18 Subdivisions; Village of Schaumburg

### Site Projects

- Addison Village Campus Improvements; Village of Addison
- Lake Zurich Retail Center; Midwest Design & Construction, LLC
- Tractor Trailer Parking and Off-Road Overnight Facility Design; Trine Construction Corporation

### Drainage and Utility Projects

- Woodfield Lake Office Campus Association Drainage and Dam Inspections; Colliers International
- Eisenhower Expressway (I-290), Water Main Auger and Embankment Boring; Village of Addison
- 143rd Street SUE Level "A" and "B", Lemont Road to Bell Road, Will County Division of Transportation
- Laraway Road SUE Level "A" and "B", US 52 to Cherry Hill Road, Will County Division of Transportation

### Education and Registrations and Professional Organizations

- Chi Epsilon National Civil Engineering Honor Society Inductee, 2009
- B.S. Civil Engineering, 2011 Purdue University (graduated Chi Epsilon)
- M.S. Structural Engineering, 2016 Illinois Institute of Technology
- Professional Engineer in Training (ET) - Indiana; #31100315

## Samuel Moscatello



The entirety of my career has been spent in the private surveying and civil engineering sector. 17 years in the field has given me a wide range of project experience and technical knowledge of surveying systems.

Essential Duties and Responsibilities include Construction Layout, Collection of survey data, UAS flights (Licensed FAA-107 Pilot), As-built surveys and drawings.

### **Construction Checking as a part of Civiltech Engineering Inc:**

- *Elgin O'Hare Wester Access – Mainline: Arlington Heights Road to Lively Boulevard; Illinois Tollway*
  - Chief Layout Specialist responsible for establishing control networks, alignment layout, construction checking, earthwork processing and daily field duties as directed by the Resident Engineer.
- *US 6 (159th St.) Will-Cook Road to Ravinia; Illinois Department of Transportation*
  - Chief Layout Specialist responsible for establishing control networks, alignment layout, construction checking, earthwork processing and daily field duties as directed by the Resident Engineer.
- *Damen/Elston/Fullerton Realignment & Reconstruction; Chicago Department of Transportation*
  - Chief Layout Specialist responsible for establishing control networks, alignment layout, construction checking, earthwork processing and daily field duties as directed by the Resident Engineer.

### **Survey Crew Chief project experience as a part of Jacob and Hefner Associates Inc:**

- *Illinois Route 30 widening, Montgomery, IL: Illinois Department of Transportation*
  - Responsible for field data collection for Plat of Highway as well as setting of new R.O.W. monumentation, per standards.
- *Heritage Crossings Business Park, Lemont, IL:*
  - Survey Crew chief responsible for establishing control network, initial design topo, construction layout of utilities and infrastructure, construction layout of buildings and final as-built drawings.

### **Survey Technician project experience as a part of Civil and Environmental Consultants Inc:**

- *Hennepin Power plant closure, Hennepin, IL; Vistra Energy*
  - Survey crew chief responsible for establishing construction control network, collection of field data for surface creation, as-built data collection and layout of key features.
- *LiDAR surveying; Oregon, IL, Evanston, IL & Chicago, IL - ComEd*
  - Survey Technician responsible for assisting in collection of aerial LiDAR data to determine potential conflicts with existing utility poles
  - Survey Crew Chief responsible for collection of terrestrial LiDAR data of existing utility poles to map current infrastructure.
- *UAS Flight - Illinois Cement Company, Lasalle, IL*
  - Survey crew chief and Licensed FAA-107 pilot responsible for setting of aerial control points, creating and executing flight plan for 200+ acre limestone mine. Processing of data to generate surfaces and contours for volume computation.
- *Nicor "Gas Town" – Naperville, IL – Trinidad Construction*
  - Survey crew chief responsible for establishing site control network, layout of all buildings, utilities and infrastructure.



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F: 630.684.9120  
www.gza.com



April 9, 2021

Mr. Reid Magner, P.E.  
Vice-President  
Bravo Company Engineering  
1111 Burlington Avenue, Suite 108G  
Lisle, Illinois 60532

Via Email: [rmagner@BravoCoEng.com](mailto:rmagner@BravoCoEng.com)

**Re: Environmental Services  
Lake County Division of Transportation  
Hawley Street Resurfacing Project  
Hawthorn Woods, Mundelein, and Unincorporated Fremont Township  
Lake County, Illinois  
Proposal No. 81.P013010.22**

Dear Mr. Manger:

GZA GeoEnvironmental, Inc. (GZA), is pleased to submit this proposal to Bravo Company Engineering (Client) to provide environmental services for the Lake County Division of Transportation (LCDOT) proposed Hawley Street Resurfacing Project located within Hawthorn Woods, Mundelein, and Unincorporated Fremont Township, Lake County, Illinois. Specifically, this scope includes tasks for completing a wetland and waterway delineation, permitting services, and the completion of documentation for off-site final disposition of spoils at a clean construction or demolition debris (CCDD) facility. This proposal presents our: Project Understanding; Scope of Services; Level of Effort, Cost, and Schedule; and Acceptance. GZA understands the project will utilize local funding.

## **1. PROJECT UNDERSTANDING**

GZA understands that the LCDOT is proposing to resurface Hawley Street between Illinois Route 176 (IL 176) and Midlothian Road. The work consists of milling from IL 176 to Chevy Chase Road and from Illinois Route 60 (IL 60) to Midlothian Road. The section between Chevy Chase Road and IL 60 will consist of milling and resurfacing. This project also includes assessing drainage concerns on Fremont Center Road located approximately 800 feet north of the Fremont Elementary and Fremont Intermediate School entrances. In addition, the existing Millennium Trail Bike Path will be removed and replaced as part of the proposed improvements.

GZA understands the project limits to include the existing roadway right-of-way (ROW) along Hawley Street between IL 176 and Midlothian Road as well as the existing roadway ROW along Fremont Center Road located approximately 800 feet north of the Fremont Elementary and Fremont Intermediate School entrances.

In preparing this proposal, GZA has made the following assumptions.

- GZA will complete field delineations along Hawley Street between IL 176 and Midlothian Road, and at Culvert 422, within the existing ROW only, as we assume impacts to wetlands and waterways will not occur outside of the existing ROW for the resurfacing aspect of the proposed project.





- GZA will complete field delineations along Fremont Center Road from approximately 600 feet north to approximately 1,000 feet north of the Fremont Elementary and Fremont Intermediate School entrances within the existing ROW, plus an additional 100 feet per Lake County regulatory requirements.
- Access to all areas within the project limits to conduct field investigations will be provided by Client.
- Wetland mitigation coordination with the USACE, LCSMC, and an appropriate wetland banker, wetland mitigation design, plan preparation, monitoring, and management are not included in this scope of services. All fees associated with obtaining wetland banking credits are not included in this scope of work and are the responsibility of Client.

## **2. SCOPE OF SERVICES**

### **Task 1 – Wetland and Waterway Delineation**

GZA understands that regulated wetlands are potentially located within or adjacent to the project limits. GZA proposes to conduct a wetland delineation for all areas within the project limits in accordance with:

- The January 13, 2021, edition of the U.S. Army Corps of Engineers (USACE) Chicago District Nationwide Permit Program (NWP);
- The January 6, 2017 edition of the USACE Chicago District NWP;
- The April 1, 2017, edition of the USACE Chicago District Regional Permit Program (RPP);
- The USACE Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (Version 2.0), (Supplemental Wetland Manual); and
- The October 13, 2020, edition of the Lake County Watershed Development Ordinance (WDO).

#### **A. Off-site Record/Document Review**

The following records/documents will be reviewed prior to conducting the field investigation. Soils information will be reviewed to determine the soil types encountered during the delineation procedures. The sources to be reviewed and used include:

- Current and historic aerial photographs;
- U.S. Geological Survey (USGS), Topographic Map;
- U.S. Fish and Wildlife Service (FWS), National Wetlands Inventory (NWI) Maps;
- Lake County Wetland Inventory Maps;
- Lake County Advanced Identification of Wetlands (ADID) Maps;
- Natural Resources Conservation Service (NRCS), Soil Survey of Lake County;
- Hydric Soils of the United States;
- Federal Emergency Management Agency (FEMA), Flood Insurance Rate Maps (FIRM); and
- USGS, Hydrologic Atlas.

#### **B. On-Site Investigation (Field Inventory)**

GZA proposes to conduct on-site investigations of all potential wetlands within the project limits. Proposed services include: the identification and delineation of wetlands; the determination of USACE High Quality Aquatic Resources (HQAR); and the identification of Lake County ADID Wetlands. Wetland delineation field investigation activities include on-site testing for the presence of hydric soils, hydrophytic vegetation, and sufficient hydrology. A floristic quality assessment (FQA) will be conducted for each identified wetland. Functions of wetlands based on field observations will



also be evaluated during the on-site investigation. The wetland perimeters and flags within the project limits will be surveyed by GZA using a Global Positioning System (GPS) unit.

### **Task 2 – Wetland Report**

Upon completion of Task 1, a Wetland Delineation Report will be prepared summarizing the findings of the off-site record/document review and the on-site investigation. This report will be submitted to the Client as a PDF only. The Shapefiles of the wetland and waterway boundaries as surveyed in the field will also be provided to the Client via email. Specific items to be included in the report are as follows:

- Map showing the location, limits, and wetland boundaries within the project limits;
- Aerial photography depicting the appropriate limits of the delineated wetlands and waterways;
- USACE data sheets with FQAs, as required;
- Color photos of the wetlands and the data points; and
- Written description of wetland functional classification.

The Natural Resource Conservation Service (NRCS) no longer conducts farmed wetland determinations for areas of agricultural conversion. As agricultural land is present within the project limits, conducting a Farmed Wetland Determination (FWD) is included in the scope. This task assumes an FWD will only be required for the portion of the project limits along Fremont Center Road as the Hawley Street portion of the project limits only includes existing ROW.

Any impacts to wetlands or waterways will require permits. Permitting is not included in this scope.

### **Task 3 – Preliminary Jurisdictional Determination/Boundary Verification (Optional)**

This task includes preparing the Preliminary Jurisdictional Determination/Boundary Verification (PJD/BV) submittal and formally requesting a PJD/BV through the Lake County Stormwater Management Commission (LCSMC) for all identified wetlands and waterways/surface waters. Time under this task includes one field meeting with the LCSMC for completion of the PJD/BV as well as time to flag all delineated wetlands and waterways/surface waters for the BV. Time under this task also includes revising the wetland report, if boundaries are revised during the field PJD/BV meeting based on input received from the LCSMC.

As the number of wetlands and open waters is not known at this time, fees associated with this PJD/BV are not included in this scope. GZA assumes all fees will be paid directly by LCDOT.

### **Task 4 – CCDD Assessment and LPC-Form Documentation**

The final scope of the CCDD Assessment will be based on the findings of the due diligence proposed within this task. However, we do not anticipate changes in scope and for budgetary considerations presented herein since we have developed the scope of the CCDD Assessment based on our current understanding of the project corridor from a preliminary review of previously completed nearby/adjacent reports and select, limited database information within the proposed work area.

#### **A. Research and Database Listing Confirmation**

A database will be ordered for full project area coverage to review for potentially impacted properties (PIPs) that would indicate a potential for contaminated soil in the project area. It will include a search of standard state and federal environmental record databases in accordance with the specifications of ASTM standards. This information is utilized to determine if sites exist within close-enough proximity to impact the project corridor and to identify the potential contaminants of concern that would require laboratory analysis to confirm or deny the presence of contaminants that may affect soil disposal considerations. Based on a preliminary review of limited database information, GZA anticipates that at least one PIP exists along the project corridor including leaking underground storage tank (LUST). Drainage off



roadways is often considered a PIP as well. Therefore, we anticipate proceeding with LPC-663 Form documentation for this project. We will also pre-mark locations for the required JULIE notification during the site visit.

#### B. Soil Borings and Soil Sampling

It is anticipated that up to two (2) days of field effort will be required with up to twenty-three (23) borings by hand auger, including:

- Twenty (20) borings along Hawley Street / Millennium Trail to approximately 2 to 3 feet deep; and
- Three (3) borings associated with the Fremont Drainage area to approximately 5 feet deep.

The borings will be advanced and soil samples collected for laboratory analysis to address the PIPs and CCDD requirements for soil disposal considerations, specifically at locations identified for proposed excavation. The final location of borings and depths will ultimately be dependent upon design details to account for depths of proposed disturbance and the findings of the due diligence. GZA has currently identified depths of the borings based on our current understanding of the proposed improvements.

#### C. Analytical

Laboratory analysis of soil samples is proposed to be consistent with constituents of concern (COCs) to be determined from the due diligence and to also account for sampling protocol based on CCDD industry trends and/or specific facility requirements. Specifically, since Thelen Sand & Gravel is commonly a recipient of project spoils from various LCDOT improvement projects, we have incorporated their facility specific requirements into our sampling protocol identified below. Based on our understanding of the project corridors, we have provided the following sampling protocol for budgetary considerations. Boring locations where petroleum products or other volatile organic compounds represent the primary concern, samples will be field screened with a photoionization detector (PID). The sample with the highest PID reading in each boring will be analyzed for:

- **Volatile Organic Compounds** (up to 6 samples) – VOCs are volatile compounds found in gasoline and related to various solvents;
- **Polynuclear Aromatic Hydrocarbons (PNAs)** (up to 16 samples) – Semi-volatile compounds commonly formed during incomplete combustion of organic compounds. PNAs are a subset of SVOCs and can be formed by the combustion of wood, coal, and petroleum products. They are also found in less refined, nonvolatile petroleum products and can be used to identify potential for diesel or fuel oil contamination in soil.

Other field screening factors such as visual, or proximity to potential sources of known contamination to determine which samples will be analyzed to identify the presence of:

- **RCRA Metals, total and SPLP/TCLP methods** (up to 16 samples) – Federal environmental regulations identify eight (8) heavy metals as hazardous if present in a *solid waste* at concentrations above varying threshold concentrations. Samples will be analyzed for select RCRA Metals, some of which may require further analysis via synthetic precipitation leaching procedure (SPLP) or toxicity characteristic leaching procedure (TCLP) to assess compliance with the CCDD maximum allowable concentrations (MACs) (up to 8 samples).
- **Iron via TCLP method** (up to 16 samples) – Analysis for iron is proposed since it is a requirement of Thelen Sand & Gravel regardless of being identified as a contaminant of concern associated with the due diligence to be performed.

In addition, soil samples will be laboratory analyzed for soil pH from each boring location (up to 23).



#### **D. CCDD (LPC-Form) Documentation and CCDD Facility Coordination**

The soil sample results will be compared to the Maximum Allowable Concentrations (MACs) associated with CCDD facility acceptance, including the soil pH range of 6.25 to 9.0. If results achieve the MAC values, GZA will prepare the LPC-663 document that will be signed/stamped by GZA. Any locations that do not achieve the MACs (including soil pH range) will be identified as exclusion zones, not acceptable for CCDD facility disposal.

GZA will also coordinate with a minimum of three nearby CCDD facilities, including Thelen Sand & Gravel, and will submit the completed LPC-663 Form documentation seeking a review and acceptance consideration. If the facility is willing to accept based on a review of the provided LPC-663 Form documentation, we will seek to obtain a pre-authorization acceptance letter from each facility for inclusion in the bidding documents along with the LPC-663 Form Document.

#### **Task 5 – Chicago District USACE, Section 404 Permitting**

It is anticipated that the proposed project may impact wetlands and/or waterways identified within Task 1. GZA will complete and submit the Joint Application form and other necessary information to obtain USACE Chicago District authorizations for impacts to USACE jurisdictional wetlands and/or waterways. The results of the PJD/BV (see Task 3) will be utilized for permitting. The Joint Application will be submitted by GZA to the USACE electronically and paper copies will not be provided.

The USACE Chicago District NWP and RP Programs are meant to simplify and expedite specific types of projects. Most NWPs and RPs have automatic Section 401 Water Quality Certification (WQC) from the Illinois Environmental Protection Agency (IEPA). It is anticipated that a Nationwide Permit (NWP) or a Regional Permit (RP) will be required through the USACE Chicago District for this project. Therefore, permitting of wetland and waterway impacts under the NWP or RP Program is included in this scope of services.

However, if impacts exceed one acre, an Individual Permit (IP) will likely be required. Costs provided for this task are based on the project meeting the criteria for the NWP or RP Program. If the project does not qualify for an RP, an IP will be required. IPs require a public notice period as well as a separate WQC from IEPA. The IP process can take significantly more time than the NWP and RP process and may require a Section 401 Anti-degradation Assessment. This proposal does not include permitting assistance for an IP. Time under this task includes attending one pre-application meeting with the USACE Chicago District.

The permitting process through the USACE Chicago District for USACE jurisdictional wetlands is initiated by the submittal of the Joint Application for Section 404 and 401 Permits. During the USACE Joint Application review process, the USACE will coordinate with the following agencies:

- U.S. Fish and Wildlife Service (FWS);
- Illinois Environmental Protection Agency (IEPA, 401 Water Quality Certification);
- Illinois Department of Natural Resources (IDNR);
- Illinois Department of Natural Resources/Office of Water Resources (IDNR/OWR); and
- Illinois State Historic Preservation Office (SHPO).

#### **Task 6 – Lake County SMC Stormwater Permitting**

GZA will prepare and submit all applicable wetland related permit materials to Client for their submittal to LCSMC to obtain authorizations for impacts to isolated wetlands and/or waterways. The results of the PJD/BV (see Task 3) will be utilized for permitting. Permits to the LCSMC will be submitted by the Client and paper copies will not be provided.

GZA understands these permits to specifically include the wetland provisions portion of the Lake County Watershed Development Permit (WDP) submittal to LCSMC. GZA will also provide wetland hydrology analysis for Isolated Waters of Lake County. This includes provisions presented in the WDO under Article 10, Section 1006. GZA will prepare an 80%





and 150% analysis for the existing 2-year, 24-hour storm event and identify any indirect impacts to IWLC due to the proposed project. GZA will work with Client to determine if the hydrology threshold has been met, and if required, assist in the design of a system that maintains or replicates the existing hydrologic conditions of the IWLCs, if possible. This includes assisting Client in the appropriate drainage analysis of Fremont Center Road for redirecting flows from the east-side wetlands to the west-side wetlands, and working with LCSMC to meet the associated regulatory requirements.

Time under this task includes one pre-application meeting with the LCSMC. All permit submittals will be prepared by GZA Lake County Certified Wetland Specialists. Permitting fees have not been included in this proposal and are the responsibility of Client; however, GZA will discuss any appropriate fees with Client prior to all permit submittals.

#### **Task 7 – Biological and Cultural Clearances**

As this project is not being processed through IDOT and is using only local funding, it is our understanding that biological and cultural clearances will not be obtained through IDOT. Therefore, coordination for FWS federal endangered species review will be completed by GZA, as required for permitting through the USACE and/or the LCSMC. GZA will conduct a project assessment to determine if potential impacts to federally listed species may occur. To conduct this review, GZA will conduct the FWS Section 7 Consultation on the FWS Information for Planning and Consultation (IPaC) website to obtain an official federal threatened and endangered species list for the proposed project and will document all findings.

GZA will also initiate IDNR coordination through the submittal of the Ecological Compliance Assessment Tool (EcoCAT), requesting information on project state threatened or endangered species. This task includes fees associated with the submittal of an EcoCAT (\$125 for local government projects, plus taxes). These fees are included in the scope of services.

This scope does not include special surveys for threatened or endangered species as these typically require significant efforts in site investigations, such as trapping, overnight observations, stream investigations for fish and mussels, and habitat surveys. If the FWS or IDNR require additional surveys for listed species, a separate cost estimate will be prepared based on the type of species that are being investigated.

GZA will prepare the materials for the Illinois SHPO review of the proposed project as this is anticipated to be required as part of permitting through the USACE and/or LCSMC. GZA will complete a preliminary assessment to determine potential cultural and historic impacts and will provide the assessment to the Illinois SHPO to obtain Federal Section 106 and State Section 707, cultural and historic clearances for the project, respectively. This submittal will be completed electronically using the new Illinois SHPO review process as of January 1, 2021.

#### **Task 8 – Quality Assurance/Quality Control (QA/QC)**

Time under this task includes QA/QC time for the report and submittals materials as described above.

#### **Task 9 – Project Administration**

Time under this task includes project administration and management activities that include cost and schedule tracking, coordination with Client on authorized activities, report production, and other in-house management activities. This task includes preparing a Health and Safety Plan as appropriate for the project and tasks therein.

### **3. LEVEL OF EFFORT, COST, AND SCHEDULE**

Estimated hours and costs to complete the proposed scope of services is attached. The wetland delineation will be completed during the growing season, approximately between May 15<sup>th</sup> and October 1<sup>st</sup>, with an anticipated completion of the Wetland Delineation Report within four weeks of field work. CCDD work would commence within ten business days of authorization to proceed, or as requested by Client. The target completion date would be six weeks from the date of the authorization to proceed. Completion of the PJD/BV and permitting services are dependent on Client need and schedules. If an expedited schedule is necessary, GZA will coordinate with Client to establish a schedule that is



appropriate for the project needs. The cost estimate for this scope of work is presented in the attached Cost Estimate of Consultant Services (CECS). Costs will be invoiced as a cost-plus fixed fee.

#### CONDITIONS OF ENGAGEMENT

The conditions of engagement are described in the attached Terms and Conditions for Professional Services. GZA's report will be prepared on behalf of and for the exclusive use of Client. Client acknowledges and agrees that the report and the findings in the report shall not, in whole or in part, be disseminated or conveyed to any other party, or used or relied upon by any other party, in whole or in part, except for the specific purpose and to the specific parties alluded to above, without the written consent of GZA. GZA would be pleased to discuss the conditions associated with any additional dissemination, use, or reliance by other parties.

*GZA is submitting this proposal with the belief that we will be able to fulfill the scope requirements during this COVID-19 Pandemic crisis. If performance is rendered impossible because of the impacts of COVID-19, GZA will notify Client of that Force Majeure event.*

#### 4. ACCEPTANCE

This agreement may be accepted by signing in the appropriate space below and returning one complete copy to GZA. This proposal is valid for a period of 30 days from the date of issue.

We appreciate the opportunity to submit this proposal. Please feel free to contact the undersigned at (630) 684-4425 with any questions.

Very truly yours,

GZA, Inc.

Baron H. Stuedemann, P.E., P.W.S.  
Associate Principal  
Attachments: Terms and Conditions

This Proposal for Services, Schedule of Fees and Terms and Conditions for Professional Services are hereby accepted and executed by a duly authorized signatory, who by execution hereof, warrants that he/she has full authority to act for, in the name, and on behalf of \_\_\_\_\_.

By: \_\_\_\_\_ Title: \_\_\_\_\_

Printed/Typed Name: \_\_\_\_\_ Date: \_\_\_\_\_

The Proposal for Services, Schedule of Fees and Terms and Conditions for Professional Services may be executed in two or more counterparts, each of which together shall be deemed an original, but all of which together shall constitute one and the same instrument. In the event that any signature is delivered by facsimile transmission or by an e-mail delivery of a document in ".pdf" format, each such signature shall create a valid and binding obligation of the party executing the document, or on whose behalf each document is executed, with the same force and effect as if each such facsimile or ".pdf" signature were an original thereof.



**TERMS AND CONDITIONS  
FOR PROFESSIONAL SERVICES  
Including Site Investigation, Remediation,  
Geotechnical, Construction, And Testing**

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These Terms and Conditions, together with GZA's Proposal, make up the Agreement between GZA and you, Client, named in the attached proposal.

**BEFORE SIGNING THE PROPOSAL, BE SURE YOU READ AND UNDERSTAND THE PARAGRAPHS ENTITLED "INDEMNIFICATION" AND "LIMITATION OF REMEDIES" WHICH DEAL WITH THE ALLOCATION OF RISK BETWEEN YOU AND GZA.**

- 1. Services.** GZA will perform the services set forth in its Proposal and any amendments or change orders authorized by you. Any request or direction from you that would require extra work or additional time for performance or would result in an increase in GZA's costs will be the subject of a negotiated amendment or change order.
- 2. Standard of Care; Warranties.**
  - a. GZA will perform the services with the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services at the same time under similar conditions in the same or similar locality.
  - b. GZA warrants that its construction services will be of good quality, free of faults and defects and in conformance with the Proposal.
  - c. **EXCEPT AS SET FORTH IN SUBSECTIONS 2a AND 2b, ABOVE, NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING WARRANTY OF MARKETABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS MADE OR INTENDED BY GZA'S PROPOSAL OR BY ANY OF GZA'S ORAL OR WRITTEN REPORTS.**
  - d. GZA assigns to you any manufacturers' warranties of equipment or materials purchased from others, to the extent they are assignable, and your sole recourse will be against the manufacturer. Full risk of loss of materials and equipment will pass to you upon delivery to the Site, and you will be responsible for insuring and otherwise protecting them against theft and damage.
- 3. Payment.**
  - a. Except as otherwise stated in the Proposal, you will compensate GZA for the services at the rates set forth in the applicable Proposal, amendment or change order; reimburse its expenses, which will include a communication fee calculated as a percentage of labor invoiced; and pay any sales or similar taxes thereon.
  - b. Any retainer specified in GZA's Proposal shall be due prior to the start of services and will be applied to the final invoice for services.
  - c. GZA will submit invoices monthly, and Client will forward to Prime within 30 days of invoice date. Client payment to GZA is due within 20 days of receipt of payment from Prime. Overdue payments will bear interest at 1½ percent per month or, if lower, the maximum lawful rate. GZA may terminate its services upon 10 days' written notice anytime your payment is overdue on this or any other project and you will pay for all services through termination, plus termination costs. You will reimburse GZA's costs of collecting overdue invoices, including reasonable attorneys' fees
- 4. Your Responsibilities.**
  - a. Except as otherwise agreed, you will secure the approvals, permits, licenses and consents necessary for performance of the services. If you are the owner or operator of the Site, you will provide GZA with all documents, plans, information concerning underground structures (including but not limited to utilities, conduits, pipes, and tanks), information related to hazardous materials or other environmental or geotechnical conditions at the Site and other information that may be pertinent to the services or, if you are not the owner or operator of the Site, you agree to make reasonable efforts to obtain these same documents and provide them to GZA. Unless otherwise indicated in writing, GZA will be entitled to rely on documents and information you provide.
  - b. If you use the services of a construction manager at the Site, you agree to use best and reasonable efforts to include in your agreement(s) with the construction contractor provisions obligating the latter:
    - (i) to indemnify and hold harmless, to the fullest extent permitted by law, you and GZA, its officers, employees and principals, for or on account of any claims, liabilities, costs and expenses, including attorneys' fees, arising out of or relating to the design or implementation of construction means, methods, procedures, techniques, and sequences of construction, including safety precautions or programs, of the contractor, or any of its subcontractors or any engineer engaged by it;



- (ii) to name you and GZA as additional insureds under general liability and builder's risk insurance coverages maintained by the contractor, or any of its subcontractors; and
  - (iii) to require that all of its subcontractors agree and be bound to the obligations set forth in (i) and (ii) above.
- c. In the event that you are unable to secure such provisions in the agreement(s) with the construction contractor, you shall promptly notify GZA and GZA shall have the opportunity to negotiate with you reasonable substitute risk allocation and insurance indemnities and protections.
- 5. **Right of Entry; Site Restoration.** You grant GZA and its subcontractor(s) permission to enter the Site to perform the services. If you do not own the Site, you represent and warrant that the owner has granted permission for GZA to enter the Site and perform the services; you will provide reasonable verification on request; and you will indemnify GZA for any claims by the Site owner related to alleged trespass by GZA or its subcontractors. GZA will exercise reasonable care to limit damage to landscaping, paving, systems and structures at the Site that may occur and you agree to compensate GZA for any restoration it is asked to perform, unless otherwise indicated in the Proposal.
- 6. **Underground Facilities.** GZA's only responsibility under this Section will be to provide proper notification to the applicable state utility "Call-Before-You-Dig" program. You further agree to assume responsibility for and to defend, indemnify and hold harmless GZA with respect to personal injury and property damages due to GZA's interference with subterranean structures including but not limited to utilities, conduits, pipes, and tanks:
  - (i) that are not correctly shown on any plans and information you or governmental authorities provide to GZA; or
  - (ii) that are not correctly marked by the appropriate utility.
- 7. **Reliance.** The services, information, and other data furnished by you shall be at your expense, and GZA may rely upon all information and data that you furnish, including the accuracy and completeness thereof. You acknowledge that the quality of the services provided by GZA is directly related to the accuracy and completeness of the information and data that you furnish to GZA. **GZA's REPORTS ARE PREPARED FOR AND MADE AVAILABLE FOR YOUR SOLE USE. YOU ACKNOWLEDGE AND AGREE THAT USE OF OR RELIANCE UPON THE REPORT OR THE FINDINGS IN THE REPORT BY ANY OTHER PARTY, OR FOR ANY OTHER PROJECT OR PURPOSE, SHALL BE AT YOUR OR SUCH OTHER PARTY'S SOLE RISK AND WITHOUT ANY LIABILITY TO GZA.**
- 8. **Lab Tests and Samples.** GZA is entitled to rely on the results of laboratory tests using generally accepted methodologies. GZA may dispose of samples in accordance with applicable laws 30 days after submitting test results to you unless you request in writing for them to be returned to you or to be held longer, in which case you will compensate GZA for storage and/or shipping beyond 30 days.
- 9. **GZA Professionals.** GZA employees or consultants may act as licensed, certified or registered professionals (including but not limited to Professional Engineers, Licensed Site or Environmental Professionals, or Certified Industrial Hygienists collectively referred to in this section as "GZA Professionals") whose duties may include the rendering of independent professional opinions. You acknowledge that a federal, state or local agency or other third party may audit the services of GZA or other contractor/consultant(s), which audit may require additional services, even though GZA and such GZA Professionals have each performed such services in accordance with the standard of care set forth herein. You agree to compensate GZA for all services performed in response to such an audit, or to meet additional requirements resulting from such an audit, at the rates set forth in the applicable Proposal, amendment or change order.
- 10. **Hazardous Materials; GZA "Not a Generator".** Before any hazardous or contaminated materials are removed from the Site, you will sign manifests naming you as the generator of the waste (or, if you are not the generator, you will arrange for the generator to sign). You will select the treatment or disposal facility to which any waste is taken. GZA will not be the generator or owner of, nor will it possess, take title to, or assume legal liability for any hazardous or contaminated materials at or removed from the Site. GZA will not have responsibility for or control of the Site or of operations or activities at the Site other than its own. GZA will not undertake, arrange for or control the handling, treatment, storage, removal, shipment, transportation or disposal of any hazardous or contaminated materials at or removed from the Site, other than any laboratory samples it collects or tests. You agree to defend, indemnify and hold GZA harmless for any costs or liability incurred by GZA in defense of or in payment for any legal actions in which it is alleged that GZA is the owner, generator, treater, storer or disposer of hazardous waste.
- 11. **Limits on GZA's Responsibility.** GZA will not be responsible for the acts or omissions of contractors or others at the Site, except for its own subcontractors and employees. GZA will not supervise, direct or assume control over or the authority to stop any contractor's work, nor shall GZA's professional activities nor the presence of GZA or its employees and subcontractors be construed to imply that GZA has authority over or responsibility for the means, methods, techniques, sequences or procedures of construction, for work site health or safety precautions or programs, or for any failure of contractors to comply with contracts, plans, specifications or laws. Any opinions by GZA of probable costs of labor, materials, equipment or services to be furnished by others are strictly estimates and are not a guarantee that actual costs will be consistent with the estimates.





**12. Changed Conditions.**

- a. You recognize the uncertainties related to environmental and geotechnical services, which often require a phased or exploratory approach, with the need for additional services becoming apparent during the initial services. You also recognize that actual conditions encountered may vary significantly from those anticipated, that laws and regulations are subject to change, and that the requirements of regulatory authorities are often unpredictable.
- b. If changed or unanticipated conditions or delays make additional services necessary or result in additional costs or time for performance, GZA will notify you and the parties will negotiate appropriate changes to the scope of services, compensation and schedule.
- c. If no agreement can be reached, GZA will be entitled to terminate its services and to be equitably compensated for the services already performed. GZA will not be responsible for delays or failures to perform due to weather, labor disputes, intervention by or inability to get approvals from public authorities, acts or omissions on your part, or any other causes beyond GZA's reasonable control, and you will compensate GZA for any resulting increase in its costs.

**13. Documents and Information.** All documents, data, calculations and work papers prepared or furnished by GZA are instruments of service and will remain GZA's property. Designs, reports, data and other work product delivered to you are for your use only, for the limited purposes disclosed to GZA. Any delayed use, use at another site, use on another project, or use by a third party will be at the user's sole risk, and without any liability to GZA. Any technology, methodology or technical information learned or developed by GZA will remain its property. Provided GZA is not in default under this Agreement, GZA's designs will not be used to complete this project by others, except by written agreement relating to use, liability and compensation.

**14. Electronic Media.** In accepting and utilizing any drawings, reports and data on any form of electronic media generated by GZA, you covenant and agree that all such electronic files are instruments of service of GZA, who shall be deemed the author and shall retain all common law, statutory law and other rights, including copyrights. In the event of a conflict between the signed documents prepared by GZA and electronic files, the signed documents shall govern. You agree not to reuse these electronic files, in whole or in part, for any purpose or project other than the project that is the subject of this Agreement. Any transfer of these electronic files to others or reuse or modifications to such files by you without the prior written consent of GZA will be at the user's sole risk and without any liability to GZA.

**15. Confidentiality; Subpoenas.** Information about this Agreement and GZA's services and information you provide to GZA regarding your business and the Site, other than information available to the public and information acquired from third parties, will be maintained in confidence and will not be disclosed to others without your consent, except as GZA reasonably believes is necessary: (a) to perform its services; (b) to comply with professional standards to protect public health, safety and the environment; and (c) to comply with laws and court orders. GZA will make reasonable efforts to give you prior notice of any disclosure under (b) or (c) above. Information available to the public and information acquired from third parties will not be considered confidential. You will reimburse GZA for responding to any subpoena or governmental inquiry or audit related to the services, at the rates set forth in the applicable Proposal, amendment or change order.

**16. Insurance.** During performance of the services, GZA will maintain workers compensation, commercial general liability, automobile liability, and professional liability/contractor's pollution liability insurance. GZA will furnish you certificates of such insurance on request.

**17. Indemnification.** You agree to hold harmless, indemnify, and defend GZA and its affiliates and subcontractors and their employees, officers, directors and agents (collectively referred to in this paragraph as "GZA") against all claims, suits, fines and penalties, including mandated cleanup costs and attorneys' fees and other costs of settlement and defense, which claims, suits, fines, penalties or costs arise out of or are related to this Agreement or the services, except to the extent they are caused by GZA's negligence or willful misconduct.

**18. Limitation of Remedies.**

- a. To the fullest extent permitted by law and notwithstanding anything else in this Agreement to the contrary, the aggregate liability of GZA and its affiliates and subcontractors and their employees, officers, directors and agents (collectively referred to in this paragraph as "GZA") for all claims arising out of this Agreement or the services is limited to \$50,000 or, if greater, 10% of the compensation received by GZA under this Agreement.
- b. You may elect to increase the limit of liability by paying an additional fee, such fee to be negotiated prior to the execution of this Agreement.
- c. Any claim will be deemed waived unless received by GZA within one year of substantial completion of the services.
- d. GZA will not be liable for lost profits, loss of use of property, delays, or other special, indirect, incidental, consequential, punitive, exemplary, or multiple damages.



- e. GZA will not be liable to you or the Site owner for injuries or deaths suffered by GZA's or its subcontractors' employees.
- f. You will look solely to GZA for your remedy for any claim arising out of or relating to this Agreement, including any claim arising out of or relating to alleged negligence or errors or omissions of any GZA principal, officer, employee or agent.

**19. Disputes.**

- a. All disputes between you and GZA shall be subject to non-binding mediation.
- b. Either party may demand mediation by serving a written notice stating the essential nature of the dispute, the amount of time or money claimed, and requiring that the matter be mediated within forty-five (45) days of service of notice.
- c. The mediation shall be administered by the American Arbitration Association in accordance with its most recent Construction Mediation Rules, or by such other person or organization as the parties may agree upon.
- d. No action or suit may be commenced unless mediation has occurred but did not resolve the dispute, or unless a statute of limitation period would expire if suit were not filed prior to such forty-five (45) days after service of notice.

**20. Miscellaneous.**

- a. Illinois law shall govern this Agreement.
- b. The above terms and conditions regarding Limitation of Remedies and Indemnification shall survive the completion of the services under this Agreement and the termination of the contract for any cause.
- c. Any amendment to these Terms and Conditions must be in writing and signed by both parties.
- d. Having received these Terms and Conditions, your oral authorization to commence services, your actions, or your use of the Report or Work Product constitutes your acceptance of them.
- e. This Agreement supersedes any contract terms, purchase orders or other documents issued by you.
- f. Neither party may assign or transfer this Agreement or any rights or duties hereunder without the written consent of the other party.
- g. Your failure or the failure of your successors or assigns to receive payment or reimbursement from any other party for any reason whatsoever shall not absolve you, your successors or assigns of any obligation to pay any sum to GZA under this agreement.
- h. These Terms and Conditions shall govern over any inconsistent terms in GZA's Proposal.
- i. The provisions of this Agreement are severable; if any provision is unenforceable it shall be appropriately limited and given effect to the extent it is enforceable.
- j. The covenants and agreements contained in this Agreement shall apply to, inure to the benefit of and be binding upon the parties hereto and upon their respective successors and assigns.

**Local Public Agency**

Lake County DOT

**County**

Lake

**Section Number****COST ESTIMATE WORKSHEET**

Exhibit E Cost Estimate of Consultant Services Worksheet Fixed Raise

**OVERHEAD RATE** **182.42%****COMPLEXITY FACTOR** **0**

TASK	STAFF HOURS	PAYROLL	OVERHEAD & FRINGE BENEFITS	DIRECT COSTS	FIXED FEE	SERVICES BY OTHERS	TOTAL	% OF GRAND TOTAL
Task 1: Wetland Delineation	31	1,128	2,059	51	372	0	3,610	9.49%
Task 2: Wetland Report	36	1,118	2,039	60	369	0	3,586	9.43%
Task 3: PJD/BV	12	449	819	51	148	0	1,467	3.86%
Task 4: CCDD Assessment	42	1,171	2,135	7,274	386	0	10,966	28.83%
Task 5: Section 404 Permitting	29	1,040	1,897	54	343	0	3,334	8.76%
Task 6: LCSMC Permitting	96	3,506	6,395	51	1,157	0	11,109	29.20%
Task 7: Bio and Cultural Clearances	13	423	772	130	140	0	1,465	3.85%
Task 8: QA/QC	10	543	991	0	179	0	1,713	4.50%
Task 9: Project Management	5	251	457	0	83	0	791	2.08%
		-	-		-		-	
<b>Subconsultant DL</b>					0		-	
<b>TOTALS</b>	274	9,629	17,564	7,671	3,177	-	38,041	100.00%

27,193

AVERAGE HOURLY PROJECT RATES

Exhibit E Cost Estimate of Consultants Services Worksheet Fixed Raise

SHEET 1 OF 2

PAYROLL  CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			Task 1: Wetland Delineation			Task 2: Wetland Report			Task 3: PJD/BV			Task 4: CCDD Assessment			Task 5: Section 404 Permitting		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Senior Principal	75.13	0.0																	
Associate Principal II	75.13	0.0																	
Associate Principal I	64.73	16.0	5.84%	3.78													3	10.34%	6.70
Senior Consultant	68.33	0.0																	
Senior Project Manager III	60.83	0.0																	
Senior Project Manager II	49.49	0.0																	
Senior Project Manager I	46.98	0.0																	
Senior Landscape Architect	54.04	0.0																	
Senior Planning PM	54.03	0.0																	
Senior Geologist PM	49.29	3.0	1.09%	0.54										1	2.38%	1.17			
Senior Technical Specialist	47.94	0.0																	
Senior Scientist PM II	49.83	0.0																	
Senior Technical Scientist	46.49	50.0	18.25%	8.48	14	45.16%	20.99	7	19.44%	9.04	6	50.00%	23.24				6	20.69%	9.62
Technical Graphics Technician	24.07	10.0	3.65%	0.88	1	3.23%	0.78	7	19.44%	4.68				2	4.76%	1.15			
Scientist PM II	45.16	0.0																	
Assistant PM Scientist	33.20	6.0	2.19%	0.73										6	14.29%	4.74			
Engineer PM I	40.12	16.0	5.84%	2.34															
Assistant PM Engineer I	36.21	24.0	8.76%	3.17															
Engineer I	28.61	28.0	10.22%	2.92															
Scientist E1	28.35	103.0	37.59%	10.66	16	51.61%	14.63	22	61.11%	17.32	6	50.00%	14.17	15	35.71%	10.12	20	68.97%	19.55
Scientist E2	24.61	17.0	6.20%	1.53										17	40.48%	9.96			
Administrative Managers	43.33	0.0																	
Senior Administrative Assistant	30.45	1.0	0.36%	0.11										1	2.38%	0.73			
		0.0																	
		0.0																	
		0.0																	
		0.0																	
TOTALS		274.0	100%	\$35.14	31.0	100.00%	\$36.40	36.0	100%	\$31.04	12.0	100%	\$37.42	42.0	100%	\$27.87	29.0	100%	\$35.86



Local Public Agency

Lake County DOT

County

Lake

Section Number

## AVERAGE HOURLY PROJECT RATES

Exhibit E Cost Estimate of Consultant Services Worksheet Fixed Raise

SHEET 2 OF 2

PAYROLL  CLASSIFICATION	AVG HOURLY RATES	Task 6: LCSMC Permitting			Task 7: Bio and Cultural Clearances			Task 8: QA/QC			Task 9: Project Management								
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Senior Principal	75.13																		
Associate Principal II	75.13																		
Associate Principal I	64.73	8	8.33%	5.39				4	40.00%	25.89	1	20.00%	12.95						
Senior Consultant	68.33																		
Senior Project Manager III	60.83																		
Senior Project Manager II	49.49																		
Senior Project Manager I	46.98																		
Senior Landscape Architect	54.04																		
Senior Planning PM	54.03																		
Senior Geologist PM	49.29							2	20.00%	9.86									
Senior Technical Specialist	47.94																		
Senior Scientist PM II	49.83																		
Senior Technical Scientist	46.49	6	6.25%	2.91	3	23.08%	10.73	4	40.00%	18.59	4	80.00%	37.19						
Technical Graphics Technician	24.07																		
Scientist PM II	45.16																		
Assistant PM Scientist	33.20																		
Engineer PM I	40.12	16	16.67%	6.69															
Assistant PM Engineer I	36.21	24	25.00%	9.05															
Engineer I	28.61	28	29.17%	8.34															
Scientist E1	28.35	14	14.58%	4.13	10	76.92%	21.81												
Scientist E2	24.61																		
Administrative Managers	43.33																		
Senior Administrative Assistant	30.45																		
<b>TOTALS</b>		96.0	100%	\$36.52	13.0	100%	\$32.53	10.0	100%	\$54.34	5.0	100%	\$50.14	0.0	0%	\$0.00	0.0	0%	\$0.00

# HUFF & HUFF, INC.

## SUMMARY OF DIRECT COSTS

Project: LCDOT Hawley Street

										<u><b>DIRECT</b></u>
<b>Task 1 - Wetland Delineation</b>										
Trips	40 miles	x	2	x	\$	0.56	=	\$	44.80	
Tolls			4	x	\$	1.50	=	\$	6.00	
<b>Task Total</b>									<b>\$</b>	<b>50.80</b>
<b>Task 2 - Wetland Report</b>										
FSA Aerials			6	x	\$	10.00	=	\$	60.00	
<b>Task Total</b>									<b>\$</b>	<b>60.00</b>
<b>Task 3 - PJD/BV</b>										
Trips	40 miles	x	2	x	\$	0.56	=	\$	44.80	
Tolls			4	x	\$	1.50	=	\$	6.00	
<b>Task Total</b>									<b>\$</b>	<b>50.80</b>
<b>Task 4 - CCDD</b>										
Trips	40 miles	x	6	x	\$	0.56	=	\$	134.40	
Tolls			12	x	\$	1.50	=	\$	18.00	
Database Hawley Corridor			1	x	\$	350.00	=	\$	350.00	
Database Fremont Drainage			1	x	\$	90.00	=	\$	90.00	
Field Kit	1 day	x	2	x	\$	30.00	=	\$	60.00	
PID	1 day	x	2	x	\$	50.00	=	\$	100.00	
VOCs	1 ea	x	6	x	\$	138.00	=	\$	828.00	
PNAs	1 ea	x	16	x	\$	105.00	=	\$	1,680.00	
Total RCRA	1 ea	x	16	x	\$	90.00	=	\$	1,440.00	
RCRA tclp/slp	1 ea	x	8	x	\$	90.00	=	\$	720.00	
TCLP Fe	1 ea	x	16	x	\$	90.00	=	\$	1,440.00	
pH	1 ea	x	23	x	\$	18.00	=	\$	414.00	
<b>Task Total</b>									<b>\$</b>	<b>7,274.40</b>
<b>Task 5 - Section 404 Permitting</b>										
Trips	21 miles	x	2	x	\$	0.56	=	\$	23.52	
Parking			6	x	\$	5.00	=	\$	30.00	
			0	x	\$	-	=	\$	-	
<b>Task Total</b>									<b>\$</b>	<b>53.52</b>
<b>Task 6 - LCSMC Permitting</b>										
Trips	40 miles	x	2	x	\$	0.56	=	\$	44.80	
Tolls			4	x	\$	1.50	=	\$	6.00	
<b>Task Total</b>									<b>\$</b>	<b>50.80</b>
<b>Task 7 - Bio and Cultural Clearances</b>										
EcoCAT			1	x	\$	130.00	=	\$	130.00	
<b>Task Total</b>									<b>\$</b>	<b>130.00</b>
<b>Task 8 - QA/QC</b>										
<b>Task Total</b>									<b>\$</b>	<b>-</b>
<b>Task 9 - Project Management</b>										
<b>Task Total</b>									<b>\$</b>	<b>-</b>
<b>GRAND TOTAL</b>										<b>\$ 7,670.32</b>



RETURN WITH BID

# VENDOR CERTIFICATION FORM

Bid/RFP/SOI Number:	Hawley Street - Route 176 to Midlothian Road		
Vendor Name:	Bravo Company Engineering, Inc.		
Address:	1111 Burlington Avenue, Suite 108G, Lisle, IL 60532		
Primary Contact Name:	Joseph Kozial, President		
Primary Contact Email Address:	jkozial@bravocoeng.com		
Primary Contact Phone Number:	630.702.9855		
Project Manager Name:	Reid Magner, Vice President		
Project Manager Email Address:	rmagner@bravocoeng.com		
Project Manager Phone Number:	224.239.6346		
# Years in Business:	3	Number of Employees:	5
Annual Sales:	\$ 800,000.00	Dunn & Bradstreet #:	081079631
<b>Vendor Certification Statement: Please identify all of the following that apply to the ownership of this firm. This information is collected for reporting purposes only and not vendor selection. Please include a copy of the certification. (Definitions are included on the second page of Vendor Certification Form).</b>			
	Contractor certifies as a Minority – Business Enterprise (MBE)		
	Contractor certifies as a Women Business Enterprise (WBE)		
	Contractor certifies as a Veteran-Owned (VBE) Business Enterprise		
	Contractor certifies as a Persons with Disabilities Owned Business Enterprise (PDBE)		
	Contractor certifies as a Service-Disabled Veteran-Owned (SDVBE) Business Enterprise		
	Contractor certifies as a Business Enterprise Program (BEP)		
	Contractor certifies as a Small Disadvantaged Businesses (SDB)		
✓	Contractor certifies as a Veteran-Owned Small Business (VOSB)		
	Local Business		
	None		
Other (Specify)			
Certification Number:			
Certified by (Agency):	CMS (IPG #0422911), MWRD (#5016978), CDB (#0034551), Cook County		

I certify that this information is accurate to the best of my knowledge and that I am authorized to provide this information on behalf of my company.

  
Signature, Title

Joseph Kozial, President  
Printed Name, Title

3/16/2021  
Date

RETURN WITH BID

# Vendor Certification Definitions

- **Minority-owned business (MBE)**

A business concern which is at least 51% owned by one or more minority persons, or in the case of a corporation, at least 51% of the stock in which is owned by one or more minority persons; and the management and daily business operations of which are controlled by one or more of the minority individuals who own it.

- **Woman-owned business (WBE)**

A business which is at least 51% owned by one or more women, or, in the case of a corporation, at least 51% of the stock in which is owned by one or more women; and the management and daily business operations of which are controlled by one or more of the women who own it.

- **Veteran-owned Business Enterprise (VBE)**

A small business (i) that is at least 51 percent owned, controlled and managed by one or more Eligible Veterans or in the case of a corporation, at least 51 percent or more of the stock of which is owned, controlled and managed by one or more Eligible Veterans.

- Eligible Veteran means a person who (i) has been either a member of the armed forces of the United States or, while a citizen of the United States, was a member of the armed forces of allies of the United States in time of hostilities with a foreign country and (ii) has served under one or more of the following conditions: (a) the veteran served a total of at least 6 months; (b) the veteran served for the duration of hostilities regardless of the length of the engagement; (c) the veteran was discharged on the basis of hardship; or (d) the veteran was released from active duty because of a service connected disability and was discharged under honorable conditions.
- Armed forces of the United States means the United States Army, Navy, Air Force, Marine Corps, Coast Guard or service in active duty as defined under 38 U.S.C. Section 101. Service in the Merchant Marine that constitutes active duty under Section 401 of federal Public Act 95-202 shall also be considered service in the armed forces for purposes of this Division.

- **Persons with Disabilities Owned Business Enterprise (PDBE)**

A small business (i) that is at least 51 percent owned, controlled and managed by one or more Persons with a Disability; or in the case of a corporation, at least 51 percent or more of the stock of which is owned, controlled, and managed by one or more Persons with a Disability.

- Disability or Disabled means, with respect to an individual, a physical or mental impairment that substantially limits one or more of the major life activities of the individual, a record of physical or mental impairment that substantially limits one or more of the major life activities of the individual, or being regarded as an individual with a physical or mental impairment that substantially limits one or more of the major life activities of the individual.

- **Service-Disabled Veteran-owned Business Enterprise (SDVBE)**

A small business (i) that is at least 51 percent owned, controlled, and managed by one or more qualified service disabled veterans or in the case of a corporation, at least 51 percent or more of the stock of which is owned, controlled and managed by one or more Service Disabled Veterans.

- Service-Disabled Veteran means an Eligible Veteran who has been found to have 10 percent or more service-connected disability by the United States Department of Veterans Affairs or the United States Department of Defense.
- Service-connected disability means a disability incurred in the line of duty in the active military, naval or air service as described in 38 U.S.C. 101(16).

- **BEP – Business Enterprise Program**

Business Enterprise Program (BEP) BEP assists businesses owned by minorities, women and people with disabilities gain access to the State of Illinois procurement process. BEP certification with the State of Illinois can also open the door to opportunities with other public and private entities which are looking for diverse suppliers.

- **Small Disadvantaged Businesses (SDB)**

A Small Disadvantaged Business (SDB) is a small business owned and controlled by socially and economically disadvantaged individuals as defined by Federal Acquisition Regulation (FAR) 19.001

- **Veteran-Owned Small Business (VOSB)**

A Veteran-Owned Small Business (VOSB) is a small business that is at least 51 percent owned by one or more veterans; or, if a publicly owned business, at least 51 percent of the stock is owned by one or more veterans. Also, one or more veterans control management and daily business operations of the firm.

- **Local business**

Lake County launched a Buy Local. Build Local. Work Local initiative in 2013 to increase the outreach and procurement opportunities for businesses located within Lake County, including women-owned businesses and minority-owned business enterprises (L/W/MBE). The overarching objective is to maximize participation from these businesses in the County's procurement process, in accordance with applicable law.





# VENDOR DISCLOSURE STATEMENT

Vendor Name:	Bravo Company Engineering, Inc.		
Address:	1111 Burlington Avenue, Suite 108G, Lisle, IL 60532		
Contact Person:	Joseph Kozial, President	Contact Phone #:	630.702.9855
Bid/RFP/SOI/Contract/Renewal:	Hawley Street - Route 176 to Midlothian Road		

Vendors wishing to contract with Lake County for goods and services in an amount greater than \$30,000 shall submit this form in advance of award. This disclosure statement is not required for utility companies regulated by the Illinois Commerce Commission or local units of government. Vendors shall disclose:

- A familial relationship between a Lake County elected official, department director, deputy director and manager and owners, principals, executives, officers, account managers or other similar managerial positions of the vendor's company. Familial relationship is defined as a spouse (including civil partner), child, stepchild, parent, stepparent, grandparent, in-laws (including parent, grandparent, sibling, or child), relatives and non-relatives living in the same residence, and offspring born to any aforementioned person.
- All political campaign contributions made by the vendor or an owner, principal, executive, officer, account manager, or other similar managerial position of the vendor to any county board member, county board chair, or countywide elected official within the last five years.

If there is nothing to report in a section, please state none in the appropriate space.

## FAMILIAL RELATIONSHIPS

List names and departments/agencies of Lake County employees or public officials with whom owners, principals, or officers of the vendor's company have a familial relationship and the nature of the relationship. Attach additional pages as necessary. (Provide all names or state none in the space below. Do not leave blank.)

Name and Department/Agency of Lake County Employee/Public Official	Familial Relationship
None	

## CAMPAIGN CONTRIBUTIONS

List campaign contributions that have been made within the last five years that exceed \$150 annually. Attach additional pages as necessary. (Provide all names or state none in the space below. Do not leave blank.)

Recipient	Donor	Description (e.g., cash, type of item, in-kind service, etc.)	Amount/Value	Date Made
None				

Continuing disclosure is required if information changes. This Vendor Disclosure Statement form is available at [www.lakecountyil.gov](http://www.lakecountyil.gov).

The full text of the County's Ethics and Procurement policies and ordinances are available at [www.lakecountyil.gov](http://www.lakecountyil.gov).

I hereby acknowledge that the information above is accurate and complete, that I am an authorized signer on behalf of the vendor, that I have read and understand these disclosure requirements, and that I agree to update this information if there are any related changes by submitting a new Vendor Disclosure Statement.

Authorized Signature:		Title:	President
Printed Name:	Joseph Kozial, P.E.	Date:	3/16/2021

Vendors must insert "x" in the following box indicating exception and provide a brief narrative for exception.

☐