

**DRAFT****Local Public Agency
Engineering Services Agreement**

Agreement For Agreement Type

Using Federal Funds? ☐ Yes ☒ No

LOCAL PUBLIC AGENCY

Local Public Agency	County	Section Number	Job Number
<input type="text" value="Lake County Division of Transportation"/>	<input type="text" value="Lake"/>	<input type="text" value="22-00999-93-ES"/>	<input type="text"/>
Project Number	Contact Name	Phone Number	Email
<input type="text"/>	<input type="text" value="Julian Rozwadowski"/>	<input type="text" value="(847) 377-7506"/>	<input type="text" value="jrozwadowski@lakecountyil.gov"/>

SECTION PROVISIONS

Local Street/Road Name	Key Route	Length	Structure Number
<input type="text" value="Washington Street"/>	<input type="text"/>	<input type="text" value="0.42 miles"/>	<input type="text"/>
Location Termini			<input type="button" value="Add Location"/>
<input type="text" value="at Illinois Route 21 (Milwaukee Avenue)"/>			<input type="button" value="Remove Location"/>

Project Description

Complete Phase I, Preliminary Engineering Study, and Phase II, Design Engineering, in accordance with the Illinois Department of Transportation of Transportation's Bureau of Local Roads & Streets Policies & Procedures for improvements for Washington Street at Illinois Route 21 within the Village of Gurnee to meet 3R Guidelines. Due to the frequency and severity of vehicular accidents at this intersection, an intersection improvement study is recommended. The project objectives are to improve the sight distance and capacity of the intersection to increase roadway safety and effectively satisfy projected existing travel demands. The Phase I work will build upon the County Scoping report dated March 6, 2023 and determine the proposed intersection improvements and design criteria and include the approval of an intersection design study. A project report is not included in the scope of work. A technical memorandum will be provided that outlines the existing conditions studies, findings, and recommendations. The Phase I work includes data collection, field surveys; existing analysis, crash analysis, traffic studies, environmental studies, drainage studies, geotechnical studies, and alternatives analysis. The Phase II work will build upon the Phase I work and include the preparation of Contract Plans and Documents for a locally funded and let project. The Phase II work includes plats and legals, right-of-way negotiations and appraisals, contract plans, documents, special provisions, and estimates. Coordination with local communities, utility companies, public transportation agencies, and permitting agencies will be part of the work. The project scope assumes widening along Washington Street to accommodate dual left turn lanes. Pavement analysis will determine if an overlay or patching is needed along Washington Street. No improvements to Illinois Route 21 are anticipated for widening or pavement improvements. The project will be funded with local funds, the work shall not be developed to be eligible for possible federal funding for construction.

Engineering Funding ☐ MFT/TBP ☐ State ☒ Other

Anticipated Construction Funding ☐ Federal ☐ MFT/TBP ☐ State ☒ Other

AGREEMENT FOR

☒ Phase I - Preliminary Engineering ☒ Phase II - Design Engineering

CONSULTANT

Prime Consultant (Firm) Name	Contact Name	Phone Number	Email
<input type="text" value="Parsons Transportation Group, Inc."/>	<input type="text" value="Jeffrey Hall"/>	<input type="text" value="(312) 930-5160"/>	<input type="text" value="Jeffrey.Hall@Parsons.com"/>
Address	City	State	Zip Code
<input type="text" value="10 South Riverside, Suite 400"/>	<input type="text" value="Chicago"/>	<input type="text" value="IL"/>	<input type="text" value="60606"/>

THIS AGREEMENT IS MADE between the above Local Public Agency (LPA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the improvement of the above SECTION. Project funding allotted to the LPA 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.

Since the services contemplated under the AGREEMENT are professional in nature, it is understood that the ENGINEER, acting as an individual, partnership, firm or legal entity, qualifies for professional status and will be governed by professional ethics in its relationship to the LPA and the DEPARTMENT. The LPA acknowledges the professional and ethical status of the ENGINEER by entering into an AGREEMENT on the basis of its qualifications and experience and determining its compensation by mutually satisfactory negotiations.

WHEREVER IN THIS AGREEMENT or attached exhibits the following terms are used, they shall be interpreted to mean:

Regional Engineer	Deputy Director, Office of Highways Project Implementation, Regional Engineer, Department of Transportation
Resident Construction Supervisor	Authorized representative of the LPA in immediate charge of the engineering details of the construction PROJECT
In Responsible Charge Contractor	A full time LPA employee authorized to administer inherently governmental PROJECT activities Company or Companies to which the construction contract was awarded

AGREEMENT EXHIBITS

The following EXHIBITS are attached hereto and made a part of hereof this AGREEMENT:

- ☒ EXHIBIT A: Scope of Services
- ☒ EXHIBIT B: Project Schedule
- ☒ EXHIBIT C: Qualification Based Selection (QBS) Checklist
- ☒ EXHIBIT D: Cost Estimate of Consultant Services (BLR 05513 or BLR 05514)
- ☐ EXHIBIT ____ : Direct Costs Check Sheet (attach BDE 436 when using Lump Sum on Specific Rate Compensation)
- ☒ Exhibit E: Subconsultants Scope, CECS, Direct Costs
- ☒ Exhibit F: Vendor Certification Form
- ☒ Exhibit G: Vendor Disclosure Statement

I. THE ENGINEER AGREES,

1. To perform or be responsible for the performance of the Scope of Services presented in EXHIBIT A for the LPA in connection with the proposed improvements herein before described.
2. The Classifications of the employees used in the work shall be consistent with the employee classifications and estimated staff hours. If higher-salaried personnel of the firm, including the Principal Engineer, perform services that are to be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the payroll rate for the work performed.
3. That the ENGINEER shall be responsible for the accuracy of the work and shall promptly make necessary revisions or corrections required as a result of the ENGINEER'S error, omissions or negligent acts without additional compensation. Acceptance of work by the LPA or DEPARTMENT will not relieve the ENGINEER of the responsibility to make subsequent correction of any such errors or omissions or the responsibility for clarifying ambiguities.
4. That the ENGINEER will comply with applicable Federal laws and regulations, State of Illinois Statutes, and the local laws or ordinances of the LPA.
5. To pay its subconsultants for satisfactory performance no later than 30 days from receipt of each payment from the LPA.
6. To invoice the LPA, The ENGINEER shall submit all invoices to the LPA within three months of the completion of the work called for in the AGREEMENT or any subsequent Amendment or Supplement.
7. The ENGINEER or subconsultant shall not discriminate on the basis of race, color, national origin or sex in the performance of this AGREEMENT. The ENGINEER shall carry out applicable requirements of 49 CFR part 26 in the administration of US Department of Transportation (US DOT) assisted contract. Failure by the Engineer to carry out these requirements is a material breach of this AGREEMENT, which may result in the termination of this AGREEMENT or such other remedy as the LPA deems appropriate.
8. That none of the services to be furnished by the ENGINEER shall be sublet, assigned or transferred to any other party or parties without written consent of the LPA. The consent to sublet, assign or otherwise transfer any portion of the services to be furnished by the ENGINEER shall be construed to relieve the ENGINEER of any responsibility for the fulfillment of this AGREEMENT.
9. For Preliminary Engineering Contracts:
 - (a) To attend meetings and visit the site of the proposed improvement when requested to do so by representatives of the LPA or the DEPARTMENT, as defined in Exhibit A (Scope of Services).
 - (b) That all plans and other documents furnished by the ENGINEER pursuant to the AGREEMENT will be endorsed by the ENGINEER and affixed the ENGINEER's professional seal when such seal is required by law. Such endorsements must be made by a person, duly licensed or registered in the appropriate category by the Department

of Professional Regulation of the State of Illinois. It will be the ENGINEER's responsibility to affix the proper seal as required by the Bureau of Local Roads and Streets manual published by the DEPARTMENT.

- (c) That the ENGINEER is qualified technically and is thoroughly conversant with the design standards and policies applicable for the PROJECT; and that the ENGINEER has sufficient properly trained, organized and experienced personnel to perform the services enumerated in Exhibit A (Scope of Services).

10. That the engineering services shall include all equipment, instruments, supplies, transportation and personnel required to perform the duties of the ENGINEER in connection with this AGREEMENT (See DIRECT COST tab in BLR 05513 or BLR 05514).

II. THE LPA AGREES,

1. To certify by execution of this AGREEMENT that the selection of the ENGINEER was performed in accordance with the Professional Services Selection Act (50 ILCS 510) (Exhibit C).
2. To furnish the ENGINEER all presently available survey data, plans, specifications, and project information.
3. To pay the ENGINEER:
 - (a) For progressive payments - Upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LPA, monthly payments for the work performed shall be due and payable to the ENGINEER, such payments to be equal to the value of the partially completed work minus all previous partial payments made to the ENGINEER.
 - (b) Final payment - Upon approval of the work by the LPA but not later than 60 days after the work is completed and reports have been made and accepted by the LPA and DEPARTMENT a sum of money equal to the basic fee as determined in this AGREEMENT less the total of the amount of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.
 - (c) For Non-Federal County Projects - (605 ILCS 5/5-409)
 - (1) For progressive payments - Upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LPA, monthly payments for the work performed shall be due and payable to the ENGINEER. Such payments to be equal to the value of the partially completed work in all previous partial payments made to the ENGINEER.
 - (2) Final payment - Upon approval of the work by the LPA but not later than 60 days after the work is completed and reports have been made and accepted by the LPA and STATE, a sum of money equal to the basic fee as determined in the AGREEMENT less the total of the amount of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.
4. To pay the ENGINEER as compensation for all services rendered in accordance with the AGREEMENT on the basis of the following compensation method as discussed in 5-5.10 of the BLR Manual.

Method of Compensation:

☐ Percent

☐ Lump Sum

☐ Specific Rate

☒ Cost plus Fixed Fee: Fixed

Total Compensation = DL + DC + OH + FF

Where:

DL is the total Direct Labor,

DC is the total Direct Cost,

OH is the firm's overhead rate applied to their DL and

FF is the Fixed Fee.

Where $FF = (0.33 + R) DL + \%SubDL$, where R is the advertised Complexity Factor and %SubDL is 10% profit allowed on the direct labor of the subconsultants.

The Fixed Fee cannot exceed 15% of the DL + OH.

5. The recipient shall not discriminate on the basis of race, color, national origin or sex in the award and performance of any US DOT-assisted contract or in the administration of its DBE program or the requirements of 49 CFR part 26. The recipient shall take all necessary and reasonable steps under 49 CFR part 26 to ensure nondiscrimination in the award and administration of US DOT-assisted contracts. The recipient's DBE program, as required by 49 CFR part 26 and as approved by US DOT, is incorporated by reference in this agreement. Implementation of this program is a legal obligation and failure to carry out its terms shall be treated as violation of this AGREEMENT. Upon notification to the recipient of its failure to carry out its approved program, the Department may impose sanctions as provided for under part 26 and may, in appropriate cases, refer the matter for enforcement under 18 U.S.C. 1001 and/or the Program Fraud Civil Remedies Act of 1986 (31 U.S.C 3801 et seq.).

III. IT IS MUTUALLY AGREED,

1. To maintain, for a minimum of 3 years after the completion of the contract, adequate books, records and supporting documents to verify the amount, recipients and uses of all disbursements of funds passing in conjunction with the contract; the contract and all books, records and supporting documents related to the contract shall be available for review and audit by the Auditor General, and the DEPARTMENT; the Federal Highways Administration (FHWA) or any authorized representative of the federal

government, and to provide full access to all relevant materials. Failure to maintain the books, records and supporting documents required by this section shall establish a presumption in favor of the DEPARTMENT for the recovery of any funds paid by the DEPARTMENT under the contract for which adequate books, records and supporting documentation are not available to support their purported disbursement.

2. That the ENGINEER shall be responsible for any all damages to property or persons out of an error, omission and/or negligent act in the prosecution of the ENGINEER's work and shall indemnify and save harmless the LPA, the DEPARTMENT, and their officers, agents and employees from all suits, claims, actions or damages liabilities, costs or damages of any nature whatsoever resulting there from. These indemnities shall not be limited by the listing of any insurance policy.

The LPA will notify the ENGINEER of any error or omission believed by the LPA to be caused by the negligence of the ENGINEER as soon as practicable after the discovery. The LPA reserves the right to take immediate action to remedy any error or omission if notification is not successful; if the ENGINEER fails to reply to a notification; or if the conditions created by the error or omission are in need of urgent correction to avoid accumulation of additional construction costs or damages to property and reasonable notice is not practicable.

3. This AGREEMENT may be terminated by the LPA 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 LPA all drawings, plats, surveys, reports, permits, agreements, soils and foundation analysis, provisions, specifications, partial and completed estimates and data, if any from soil survey and subsurface investigation with the understanding that all such materials becomes the property of the LPA. The LPA will be responsible for reimbursement of all eligible expenses incurred under the terms of this AGREEMENT up to the date of the written notice of termination.

4. ~~In the event that the DEPARTMENT stops payment to the LPA, the LPA may suspend work on the project. If this agreement is suspended by the LPA for more than thirty (30) calendar days, consecutive or in aggregate, over the term of this AGREEMENT, the ENGINEER shall be compensated for all services performed and reimbursable expenses incurred prior to receipt of notice of suspension. In addition, upon the resumption of services the LPA shall compensate the ENGINEER, for expenses incurred as a result of the suspension and resumption of its services, and the ENGINEER's schedule and fees for the remainder of the project shall be equitably adjusted.~~

5. This AGREEMENT shall continue as an open contract and the obligations created herein shall remain in full force and effect until the completion of construction of any phase of professional services performed by others based upon the service provided herein. All obligations of the ENGINEER accepted under this AGREEMENT shall cease if construction or subsequent professional services are not commenced within 5 years after final payment by the LPA.

6. That the ENGINEER shall be responsible for any and all damages to property or persons arising out of an error, omission and/or negligent act in the prosecution of the ENGINEER's work and shall indemnify and have harmless the LPA, the DEPARTMENT, and their officers, employees from all suits, claims, actions or damages liabilities, costs or damages of any nature whatsoever resulting there from. These indemnities shall not be limited by the listing of any insurance policy.

7. The ENGINEER and LPA certify that their respective firm or agency:

- (a) has not employed or retained for commission, percentage, brokerage, contingent fee or other considerations, any firm or person (other than a bona fide employee working solely for the LPA or the ENGINEER) to solicit or secure this AGREEMENT,
- (b) has not agreed, as an express or implied condition for obtaining this AGREEMENT, to employ or retain the services of any firm or person in connection with carrying out the AGREEMENT or
- (c) has not paid, or agreed to pay any firm, organization or person (other than a bona fide employee working solely for the LPA or the ENGINEER) any fee, contribution, donation or consideration of any kind for, or in connection with, procuring or carrying out the AGREEMENT.
- (d) that neither the ENGINEER nor the LPA is/are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency,
- (e) has not within a three-year period preceding the AGREEMENT been convicted of or had a civil judgment rendered against them for commission of fraud or criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State or local) transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property.
- (f) are not presently indicated for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph and
- (g) has not within a three-year period preceding this AGREEMENT had one or more public transaction (Federal, State, local) terminated for cause or default.

Where the ENGINEER or LPA is unable to certify to any of the above statements in this clarification, an explanation shall be attached to this AGREEMENT.

8. In the event of delays due to unforeseeable causes beyond the control of and without fault or negligence of the ENGINEER no claim for damages shall be made by either party. Termination of the AGREEMENT or adjustment of the fee for the remaining services may be requested by either party if the overall delay from the unforeseen causes prevents completion of the work within six months after the specified completion date. Examples of unforeseen causes included but are not limited to: acts of God or a public enemy; acts of the LPA, DEPARTMENT, or other approving party not resulting from the ENGINEER's unacceptable services; fire; strikes; and floods.

If delays occur due to any cause preventing compliance with the PROJECT SCHEDULE, the ENGINEER shall apply in writing to the LPA for an extension of time. If approved, the PROJECT SCHEDULE shall be revised accordingly.

9. This certification is required by the Drug Free Workplace Act (30 ILCS 580). The Drug Free Workplace Act requires that no grantee or contractor shall receive a grant or be considered for the purpose of being awarded a contract for the procurement of any property or service from the DEPARTMENT unless that grantee or contractor will provide a drug free workplace. False certification or violation of the certification may result in sanctions including, but not limited to suspension of contract on grant payments, termination of a contract or grant and debarment of the contracting or grant opportunities with the DEPARTMENT for at least one (1) year but not more than (5) years.

For the purpose of this certification, "grantee" or "Contractor" means a corporation, partnership or an entity with twenty-five (25) or more employees at the time of issuing the grant or a department, division or other unit thereof, directly responsible for the specific performance under contract or grant of \$5,000 or more from the DEPARTMENT, as defined the Act.

The contractor/grantee certifies and agrees that it will provide a drug free workplace by:

- (a) Publishing a statement:
- (1) Notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance, including cannabis, is prohibited in the grantee's or contractor's workplace.
 - (2) Specifying actions that will be taken against employees for violations of such prohibition.
 - (3) Notifying the employee that, as a condition of employment on such contract or grant, the employee will:
 - (a) abide by the terms of the statement; and
 - (b) notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than (5) days after such conviction.
- (b) Establishing a drug free awareness program to inform employees about:
- (1) The dangers of drug abuse in the workplace;
 - (2) The grantee's or contractor's policy to maintain a drug free workplace;
 - (3) Any available drug counseling, rehabilitation and employee assistance program; and
 - (4) The penalties that may be imposed upon an employee for drug violations.
- (c) Providing a copy of the statement required by subparagraph (a) to each employee engaged in the performance of the contract or grant and to post the statement in a prominent place in the workplace.
- (d) Notifying the contracting, or granting agency within ten (10) days after receiving notice under part (b) of paragraph (3) of subsection (a) above from an employee or otherwise, receiving actual notice of such conviction.
- (e) Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program.
- (f) Assisting employees in selecting a course of action in the event drug counseling, treatment and rehabilitation is required and indicating that a trained referral team is in place.

Making a good faith effort to continue to maintain a drug free workplace through implementation of the Drug Free Workplace Act, the ENGINEER, LPA and the Department agree to meet the PROJECT SCHEDULE outlined in EXHIBIT B. Time is of the essence on this project and the ENGINEER's ability to meet the PROJECT SCHEDULE will be a factor in the LPA selecting the ENGINEER for future projects. The ENGINEER will submit progress reports with each invoice showing work that was completed during the last reporting period and work they expect to accomplish during the following period.

10. Due to the physical location of the project, certain work classifications may be subject to the Prevailing Wage Act (820 ILCS 130/0.01 et seq.).

11. For Preliminary Engineering Contracts:

- (a) That tracing, plans, specifications, estimates, maps and other documents prepared by the ENGINEER in accordance with this AGREEMENT shall be delivered to and become the property of the LPA and that basic survey notes, sketches, charts, CADD files, related electronic files, and other data prepared or obtained in accordance with this AGREEMENT shall be made available, upon request to the LPA or to the DEPARTMENT, without restriction or limitation as to their use. Any re-use of these documents without the ENGINEER involvement shall be at the LPA's sole risk and will not impose liability upon the ENGINEER.
- (b) That all reports, plans, estimates and special provisions furnished by the ENGINEER shall conform to the current Standard Specifications for Road and Bridge Construction, Bureau of Local Roads and Streets Manual or any other applicable requirements of the DEPARTMENT, it being understood that all such furnished documents shall be approved by the LPA and the DEPARTMENT before final acceptance. During the performance of the engineering services herein provided for, the ENGINEER shall be responsible for any loss or damage to the documents herein enumerated while they are in the ENGINEER's possession and any such loss or damage shall be restored at the ENGINEER's expense.

AGREEMENT SUMMARY

Prime Consultant (Firm) Name	TIN/FEIN/SS Number	Agreement Amount
Parsons Transportation Group, Inc.	36-0982270	\$1,105,614.00

Subconsultants	TIN/FEIN/SS Number	Agreement Amount
Jorgensen & Associates, Inc.	36-3668574	\$113,096.00
Mathewson Land Services, Inc.	85-4092178	\$110,000.00
HBK Engineering, LLC	46-1255956	\$47,919.00

Singh & Associates, Inc.	36-3580306	\$107,712.00
GZA Geoenvironmental, Inc. DBA Huff & Huff, Inc.	36-3044842	\$56,605.00
2IM Group, LLC	42-1679389	\$49,820.00
Wang Engineering, Inc.	36-3191909	\$73,321.00
Subconsultant Total		\$558,473.00
Prime Consultant Total		\$1,105,614.00
Total for all work		\$1,664,087.00

AGREEMENT SIGNATURES

Executed by the LPA:

Attest: The County of Lake County Division of Transportation

By (Signature & Date)

By (Signature & Date)

Local Public Agency

Local Public Agency Type

Lake County Division of Transportation

County

Clerk

Title

(SEAL)

Executed by the ENGINEER:

Prime Consultant (Firm) Name

Attest:

Parsons Transportation Group, Inc.

By (Signature & Date)

Jeffrey Hall

Title

Project Manager, 5/23/2023

By (Signature & Date)

Amar Rajpurkar

Title

Vice President, 5/23/2023

APPROVED:

Regional Engineer, Department of Transportation (Signature & Date)

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Lake County Division of Transport	Parsons Transportation Group,	Lake	22-00999-93-ES

**EXHIBIT A
SCOPE OF SERVICES**

To perform or be responsible for the performance of the engineering services for the LPA, in connection with the PROJECT herein before described and enumerated below

See attached

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Lake County Division of Transport	Parsons Transportation Group,	Lake	22-00999-93-ES

**EXHIBIT B
PROJECT SCHEDULE**

See attached

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Lake County Division of Transport	Parsons Transportation Group,	Lake	22-00999-93-ES

Exhibit C
Qualification Based Selection (QBS) Checklist

The LPA must complete Exhibit D. If the value meets or will exceed the threshold in 50 ILCS 510, QBS requirements must be followed. Under the threshold, QBS requirements do not apply. The threshold is adjusted annually. If the value is under the threshold with federal funds being used, federal small purchase guidelines must be followed.

☐ Form Not Applicable (engineering services less than the threshold)

Items 1-13 are required when using federal funds and QBS process is applicable. Items 14-16 are required when using State funds and the QBS process is applicable.

		No	Yes
1	Do the written QBS policies and procedures discuss the initial administration (procurement, management and administration) concerning engineering and design related consultant services?	<input type="checkbox"/>	<input type="checkbox"/>
2	Do the written QBS policies and procedures follow the requirements as outlined in Section 5-5 and specifically Section 5-5.06 (e) of the BLRS Manual?	<input type="checkbox"/>	<input type="checkbox"/>
3	Was the scope of services for this project clearly defined?	<input type="checkbox"/>	<input type="checkbox"/>
4	Was public notice given for this project?	<input type="checkbox"/>	<input type="checkbox"/>
5	Do the written QBS policies and procedures cover conflicts of interest?	<input type="checkbox"/>	<input type="checkbox"/>
6	Do the written QBS policies and procedures use covered methods of verification for suspension and debarment?	<input type="checkbox"/>	<input type="checkbox"/>
7	Do the written QBS policies and procedures discuss the methods of evaluation?	<input type="checkbox"/>	<input type="checkbox"/>
	Project Criteria	Weighting	
8	Do the written QBS policies and procedures discuss the method of selection?	<input type="checkbox"/>	<input type="checkbox"/>
Selection committee (titles) for this project			
Top three consultants ranked for this project in order			
1			
2			
3			
9	Was an estimated cost of engineering for this project developed in-house prior to contract negotiation?	<input type="checkbox"/>	<input type="checkbox"/>
10	Were negotiations for this project performed in accordance with federal requirements.	<input type="checkbox"/>	<input type="checkbox"/>
11	Were acceptable costs for this project verified?	<input type="checkbox"/>	<input type="checkbox"/>
12	Do the written QBS policies and procedures cover review and approving for payment, before forwarding the request for reimbursement to IDOT for further review and approval?	<input type="checkbox"/>	<input type="checkbox"/>
13	Do the written QBS policies and procedures cover ongoing and finalizing administration of the project (monitoring, evaluation, closing-out a contract, records retention, responsibility, remedies to violations or breaches to a contract, and resolution of disputes)?	<input type="checkbox"/>	<input type="checkbox"/>
14	QBS according to State requirements used?	<input type="checkbox"/>	<input type="checkbox"/>
15	Existing relationship used in lieu of QBS process?	<input type="checkbox"/>	<input type="checkbox"/>
16	LPA is a home rule community (Exempt from QBS).	<input type="checkbox"/>	<input type="checkbox"/>

Exhibit A

Scope of Services

Lake County Division of Transportation
Washington Street at Illinois Route 21 (Milwaukee Avenue) Intersection Improvement
Phase I/II
Section 22-00999-93-ES
May 23, 2023

Complete Phase I, Preliminary Engineering Study, and Phase II, Design Engineering, in accordance with the Illinois Department of Transportation of Transportation's Bureau of Local Roads & Streets Policies & Procedures for improvements for Washington Street at Illinois Route 21 within the Village of Gurnee to meet 3R Guidelines. Due to the frequency and severity of vehicular accidents at this intersection, an intersection improvement study is recommended. The project objectives are to improve the sight distance and capacity of the intersection to increase roadway safety and effectively satisfy existing travel demands. The Phase I work will build upon the County Scoping report dated March 6, 2023 and determine the proposed intersection improvements and design criteria and include the approval of an intersection design study. A project report is not included in the scope of work. A technical memorandum will be provided that outlines the existing studies, findings, and recommendations. The Phase I work includes data collection, field surveys; existing analysis, crash analysis, traffic studies, environmental studies, drainage studies, geotechnical studies, and alternatives analysis. The Phase II work will build upon the Phase I work and include the preparation of Contract Plans and Documents for a locally funded and let project. The Phase II work includes plats and legal, right-of-way negotiations and appraisals, contract plans, documents, special provisions, and estimates. Coordination with local communities, utility companies, public transportation agencies, and permitting agencies will be part of the work. The project scope assumes widening along Washington Street to accommodate dual left turn lanes. Pavement analysis will determine if an overlay or patching is needed along Washington Street. No improvements to Illinois Route 21 are anticipated for widening or pavement improvements. The project will be funded with local funds, the work shall not be developed to be eligible for possible federal funding for construction.

1. Data Collection

- A. Request most recent Lake County aeriels and Lake County GIS mapping for the study area from the County.
- B. Request existing plans for Washington and IL21 from the County.
 - 1) IDOT Washington at IL21 intersection
 - 2) IDOT IL21 north of Washington intersection
 - 3) LCDOT Washington west of IL21 intersection
 - 4) LCDOT Washington east of IL21 intersection
- C. Request historical traffic counts and projections for the study area for comparison to project traffic studies from the County.
- D. Request existing plans, utility atlases, and previous permitted development plans for the intersection from Gurnee.
- E. Request existing plats of highway and centerline for Washington and IL21 from the County.
- F. Request most recent 5 years of crash statistics, crash reports, and crash diagrams from the County for the intersection.
- G. Perform initial field visit and obtain photos for the intersection and develop site observation report.
- H. Coordinate with County Project Manager aerial drone flight that shall be performed by LCDOT GIS Department.
- I. Perform field visit prior to final plans to update project data.

2. Survey

- A. Survey to be completed by Jorgensen in accordance with current Lake County Design Survey Procedures dated 2/22/21
- B. The topographic survey to include: structures, ground shots, roadway and shoulders, guardrail, utilities, locate trees 3" and larger and trees less than 3" when such have been intentionally planted for landscaping, soil borings and storm and sanitary sewer inverts. Cross sections will be completed every 50' and at every driveway.
 - 1) Huff & Huff will not complete a tree survey for the project
 - 2) Survey wetlands delineated by Huff & Huff
 - 3) Survey soil boring and pavement core locations marked by Wang

- C. Survey limits along Washington and IL21. Survey will extend to 50 feet beyond the existing ROW and will include buildings.
 - 1) Washington 2040' - from the east radius return of the Great America traffic signal 1095' west of IL21 to the west bridge approach pavement 1125' east of IL21
 - 2) IL21 1455' - from the south radius return of Woodlake Boulevard 705' south of Washington to the south radius return of the Riverside Plaza driveway 750' north of Washington
- D. Survey will establish the existing centerline of Washington and IL21 and the existing ROW within the survey limits.
- E. Establish benchmarks and horizontal control points based on NGS geodetic survey monuments with G.P.S. survey methods. Locate and describe benchmarks. The project will be based on NAD '83(2011) and NGVD '88 datums. Establish and provide ties.
- F. Prepare "MicroStation" base file of the topographic survey and provide "GEOPAK" T.I.N. County will confirm versions of MicroStation and GEOPAK at notice to proceed and the versions will remain consistent through the project duration.
- G. Pick up survey and updated base files and TIN model after design identifies additional areas based on preferred intersection improvement.
- H. All survey work will be completed according to the current Lake County Design Survey Procedures dated 2/22/21.
- I. Stake proposed centerline on Washington and IL21 every 100 feet once plans approved.
- J. Plats and legals are included for 12 parcels with 10 distinct owners.
 - 1) Southwest quadrant
 - a) 3 parcels
 - i. 07-22-400-004 9872380 Properties 3D Garage and parking lot - Assume fee simple and temporary easement along Washington
 - ii. 07-22-400-005 9872380 Properties 3D Office - Assume fee simple and temporary easement along Washington
 - iii. 07-22-400-059 9871300 221 N Route 21 Gas station - Assume fee simple and temporary easement along Washington and IL21
 - 2) Southeast quadrant
 - a) 5 parcels
 - i. 07-22-401-011 9872380 Tomei Office - Assume fee simple and temporary easement along IL21
 - ii. 07-22-401-001 9877770 Tomei Office - Assume fee simple along Washington
 - iii. 07-22-400-024 9872300 Northside Community Bank Bank - Assume fee simple and temporary easement along Washington
 - iv. 07-22-400-026 9872340 Trust #994 Saratoga Square Strip Mall - Assume fee simple and temporary easement along Washington
 - v. 07-22-400-014 9874525 ComEd - Assume temporary easement along Washington
 - 3) Northeast quadrant
 - a) 3 parcels
 - i. 07-22-400-014 9874525 ComEd - Assume temporary easement along Washington
 - ii. 07-22-203-010 9872340 Rodis Riverside Plaza Strip Mall - Assume fee simple and temporary easement along Washington and IL21
 - iii. 07-22-203-015 9877770 Rodis Riverside Plaza Strip Mall - Assume fee simple along Washington
 - 4) Northwest quadrant
 - a) 1 parcel
 - i. 07-22-200-029 9874580 Great America - Assume fee simple along Washington and IL21

3. Right-of-Way Negotiations

- A. Mathewson will complete negotiations and appraisals for 12 parcels with 10 distinct owners.

- 1) 9872380 Properties 3D - 2 parcels in the Southwest quadrant
- 2) 9871300 221 N Route 21 Gas Station - 1 parcel in the Southwest quadrant
- 3) 9877770 Saratoga Square Strip Mall - 1 parcel in the Southeast quadrant
- 4) 9872380 Tomei Office - 1 parcel in the Southeast quadrant
- 5) 9872300 Northside Community Bank - 1 parcel in the Southeast quadrant
- 6) 9872340 Trust 994 - 1 parcel in the Southeast quadrant
- 7) 9874525 ComEd - 2 parcels in the Southeast and Northeast quadrants
- 8) 9872340 Riverside Plaza Strip Mall - 1 parcel in the Northeast quadrant
- 9) 9877770 Riverside Plaza Strip Mall - 1 parcel in the Northeast quadrant
- 10) 9874580 Great America - 1 parcel in the Northwest quadrant

4. Existing Analysis

- A. Establish existing centerline
- B. Establish existing right-of-way
- C. Establish existing property lines
- D. Update existing mapping as data is received
- E. Identify existing geometric deficiencies
- F. Existing utilities to be completed by HBK
 - 1) Utility Identification and coordination
 - a) Initial coordination / Data Collection
 - i. LCDOT will supply utility contacts within the study area
 - ii. JULIE design stage / planning information request
 - iii. Request available utility maps and atlases from utility contacts
 - b) Utility Easement Research
 - i. Identify utility easements
 - c) Utility Locating
 - i. SUE Level D and B of electric, telecommunications, gas, underground traffic control facilities and interconnect, street lighting facilities, and water
 - d) Utility Survey
 - e) Utility Data Base Mapping
 - i. Based on completed survey, add utilities to existing mapping
 - f) Preliminary Utility Design Review
 - i. Identify utility conflicts based on preferred improvement plan and proposed drainage plan
 - g) Utility Coordination
 - i. Coordinate with utilities after conflicts to get confirmation
 - ii. Send plans to utility companies
 - iii. Review relocation plans for each utility
 - iv. Lead relocation efforts
 - h) Utility Coordination Meetings
 - i. Attend 3 joint utility coordination meetings. 1 in person and 2 virtual.

5. Crash Analysis

- A. Crash Analysis
 - 1) Analyze 5 years of crash data and collision diagrams obtained from the County
 - 2) Identify any crash locations with concerns involving number of crashes, wet crashes, and night crashes
 - 3) Prepare crash tables for intersection
 - 4) No segment crash analysis is included for the 4 segments approaching the intersection
 - 5) Prepare collision diagrams for intersection
 - 6) Identify safety improvement needs and countermeasures
 - 7) Site visit to confirm crash analysis findings
 - 8) Prepare draft Crash Report for identifying intersection deficiencies
 - 9) Crash Prediction based on FHWA Interactive Safety Design Model
- B. Street Simplified
 - 1) Obtain Street Simplified 24 hour study of intersection

- 2) Review Street Simplified deliverables
- 3) Meet with Street Simplified. Two virtual meetings assumed.
- 4) Incorporate Street Simplified insight report into crash analysis.

6. Traffic Studies

A. Traffic Counts

- 1) Complete 24-hour traffic and non-motorized travel counts for the intersection for 6 time periods using Miovision camera counts. Counts to be completed on weekday and weekend in summer, during school, and during Great America Fright Fest. Gurnee schools start August 10 through August 28. Fright Fest is September 16 through October 29.
 - a) Weekday in July
 - b) Weekend in July
 - c) Weekday between August 29 and September 14
 - d) Weekend between September 8 and September 15
 - e) Weekday in October
 - f) Weekend in October
- 2) Determine 24-hour traffic to be used for traffic studies for Washington and IL21 based on traffic counts for various time periods.
- 3) Determine AM, PM, midday, and peak weekend peak hour turning movements to be used for traffic studies.

B. 2050 Traffic Projections are not included in the scope. Existing traffic will be used to meet 3R Guidelines

C. Capacity Analysis

- 1) Utilize Synchro for capacity analysis at intersection for AM, PM, midday, and weekend peak hours
 - a) Existing configuration for existing traffic
 - b) Protected left turns on Washington for existing traffic
 - c) Dual left turns on Washington for existing traffic
 - d) Protected left turns on Washington with dual left turns on IL21 for existing traffic. Improvements on IL21 are not anticipated but capacity analysis will be completed.
 - e) Dual left turns on Washington with dual left turns on IL21 for existing traffic. Improvements on IL21 are not anticipated by capacity analysis will be completed.
 - f) No additional alternatives are assumed based on previous coordination with IDOT

D. Complete traffic signal warrant analysis for the intersection

E. Non-motorized Travel Use Observations

- 1) Crosswalks are located across the north leg and east leg of the intersection
- 2) Review non-motorized travel counts to determine if crosswalks should be added to all legs of the intersection. It is anticipated that with paths and/or sidewalks located in all quadrants of the intersection that crosswalks and signals will be added to all legs of the intersection.

F. Intersection Design Study

- 1) IDS – 1 sheet
- 2) Complete auto turn – 8 sheets
- 3) Prepare IDS profile sheets – 2 sheets
- 4) Complete ADA detail sheets – 2 sheets
- 5) Complete Intersection sight distance sheets – 4 sheets
- 6) Submit draft IDS to County
- 7) Address County comments
- 8) Submit draft IDS to IDOT
- 9) Address IDOT comments
- 10) Identify design exceptions
- 11) FHWA/BDE coordination meeting is not anticipated for design exceptions approval
- 12) Finalize IDS
- 13) Submit to County and IDOT for approval

G. Traffic Management Analysis studies and report are not included.

- H. Intersection is currently connected to PASSAGE. No ITS PASSAGE scope is included in Phase I or Phase II
 - 1) The existing equipment and cabinets that are in place are adequate. Depending on the required scope of work, the existing equipment shall be reused.
 - I. Traffic Signal Interconnect to be completed by Singh
 - 1) IDOT will ask for the Traffic Signal cabinet to be replaced as part of a rebuilt traffic signal.
 - 2) The PTZ camera on the intersection should be relocated to the temp signal. A new PTZ camera should be installed on the new intersection on a combination mast arm.
 - 3) The communication cabinet there should be relocated with the switch to a temp condition and then can be reinstalled (with a modification to remove the heat exchanger). A new layer 3 switch should also be installed.
 - 4) There is fiber optic cable going from this intersection in all 4 directions. During construction, temporary fiber shall be utilized. Permanent fiber will either need to be replaced or reinstalled.
 - J. Traffic Signals to be completed by Singh
 - 1) Washington at IL21 Intersection
 - a) The existing intersection is all loops. The new signal detection requirements will be determined by IDOT. Assumption is IDOT will require loops for IL21 and video for Washington.
 - 2) Washington at Great America Intersection
 - a) The existing intersection is video existing and will remain video. No improvements are anticipated at this intersection due to the improvements ending east of the intersection.
 - K. Concept Lighting Analysis to be completed by Singh
7. Environmental Studies
- A. Assume Categorical Exclusion
 - B. Create environmental resource map based on environmental due diligence.
 - C. Prepare ESR at project onset based on anticipated proposed ROW.
 - D. Provide photos of buildings older than 40 years.
 - E. Assume ESR Addendum will be required once detailed proposed ROW has been identified. Prepare ESR Addendum.
 - F. Assume Cultural Resource Survey to be completed by IDOT.
 - G. Assume Biological Resource Survey to be completed by IDOT.
 - H. Huff & Huff scope of services
 - 1) Huff & Huff to complete Wetland and Waterway Delineation
 - 2) Huff & Huff to complete Wetland Report
 - 3) Huff & Huff to complete Preliminary Jurisdictional Determination /Boundary Verification
 - 4) Huff & Huff to complete Wetland Impact Evaluation based on impacts given to them calculated from preferred improvement plan.
 - 5) Tree Survey and Tree Report is not included in the Huff & Huff scope.
 - 6) Huff & Huff to complete PESA. IDOT to complete PESA on IL21.
 - 7) Huff & Huff to complete PSI / CCDD scope. IDOT to complete PSI for IL21 ROW.
 - 8) Huff & Huff to complete USACE Chicago District, Section 404 Permitting and LCSMC isolated wetland impact permitting.
 - I. Complete abbreviated Purpose and Need of the project
 - J. Alternative development discussion for environmental documentation consideration is not included in the scope
 - K. Assume that no Section 4(f) facilities exist.
 - L. Assume that no Section 6(f) properties exist.
 - M. Complete list of required permits to be obtained in Phase II
 - N. Assume Prime Farmland impacts is not anticipated
 - O. Assume Air Quality studies are not required. County will add the project to the TIP.
 - P. Assume Project level Hot Spot Analysis is not required.
 - Q. Assume COSIM is not required due to the traffic below threshold.

- R. Assume noise analysis is not required due to no addition of travel lanes, no addition of auxiliary lanes longer than 2500', and no noise receptor distance is being halved.
- S. Assume Environmental Justice is not required.
- T. Assume Socio/Economic studies are not required.

8. Drainage Studies

- A. Drainage studies to be completed by 2IM
- B. Prepare General Location Drainage Map
- C. Identify existing drainage patterns. Complete existing drainage plan.
- D. LCDOT Maintenance did not identify any drainage problems along the corridor. Any pavement or curb and gutter drainage issues will be corrected through the proposed drainage plans for the reconstructed roadway and will be identified. Identify drainage problems from flooding records is not included.
- E. No floodways nor floodplains show up on FEMA maps.
- F. No bridges, major culvert crossings, or pump stations are located within the corridor. Gurnee has a pump station outside of the improvement limits, 1100; north of the intersection along IL21. Assume no hydraulic reports for major drainage features.
- G. Determine drainage design criteria. Determine proposed drainage concept
- H. Identify drainage outlets and constraints along project corridor.
- I. Determining if detention is required by SMC based on the amount of widening for the preferred alternative. Detention is not anticipated to meet SMC requirements. Calculate detention requirements for preferred improvement to meet existing outflow rates. Determining proposed detention concept
- J. Determine proposed ROW and easement requirements for proposed drainage plan.
- K. No drainage alternatives are included.
- L. Coordinate drainage studies with Lake County DOT, Lake County SMC, IDOT, and Gurnee
- M. Complete proposed drainage plan.
- N. Assume no floodplain encroachments.
- O. Assume no IDNR-OWR Permit.
- P. Complete water quality / BMP design.
- Q. Complete Location Drainage Study
- R. Complete drainage cost estimate

9. Geotechnical Studies

- A. Geotechnical studies to be completed by Wang
- B. Coordinate roadway soil borings and pavement cores with the County prior to any field work occurring. Attend one meeting in person with County.
- C. Geotechnical Drilling Services
 - 1) Roadway soil borings every 300' and near hydric soil locations. 13 subgrade borings total.
 - 2) Supplemental soil borings contingency if poor soils are encountered during initial investigation. 8 subgrade borings total.
- D. Pavement Coring
 - 1) 2 Pavement cores at each leg existing pavement location (8 cores total) to determine existing pavement composition and condition.
- E. Field Supervision
 - 1) Obtain JULIE locates prior to field work.
 - 2) Obtain necessary traffic control permits from LCDOT, IDOT, and Gurnee.
- F. Pavement Condition Evaluation
 - 1) Assess existing pavement condition based on visual field inspection and review of County aerial drone survey.
 - 2) Coordinate with IDOT on pavement condition and design
 - 3) Determine if PCC should remain and necessary maintenance and patching based on life cycle cost analysis. It is anticipated that pavement reconstruction and patching is outside the scope of 3R guidelines.
 - 4) Determine if HMA overlay is required
 - 5) Determine pavement design of widening
- G. Laboratory Testing
- H. Engineering Analysis and Recommendations

- 1) Recommend proposed pavement design
- 2) Prepare preliminary geotechnical report including recommendations on pavement design and soil remediation
- 3) Attend one meeting in person with LCDOT to discuss geotechnical recommendations
- 4) Prepare final geotechnical report, including cost estimate of soil remediation

10. Alternative Analysis

- A. Determine design guidelines, functional classification, speed limits, design speed.
- B. Establish existing typical sections for Washington and IL21
- C. Identify sidewalk and bike path needs.
 - 1) West leg of Washington
 - a) North side - Existing Gurnee bike path exists from west improvement limit to IL21. No additions are necessary.
 - b) South side - Existing sidewalk exists along the gas station property to IL21. No additions are necessary. Any necessary additional sidewalk will be added with potential Gurnee development located within the southwest quadrant of the intersection.
 - 2) East leg of Washington
 - a) North side - Existing Gurnee bike path exists from IL21 to east improvement limit. No additions are necessary.
 - b) South side - Existing sidewalk exists from IL21 to Pace bus stop. No additions are anticipated to connect bus stop to strip mall entrance.
 - 3) South leg of IL21
 - a) West side - No existing sidewalk exists. No additions are anticipated. Any additional sidewalk will be added with potential Gurnee development located within the southwest quadrant of the intersection.
 - b) East side - Existing sidewalk exists from Woodlake Boulevard to IL21. Existing bike path exists south of Woodlake Boulevard. No additions are necessary.
 - 4) North leg of IL21
 - a) West side - Existing sidewalk exists from Washington to north improvement limit. No additions are anticipated.
 - b) West side - Existing sidewalk exists from Washington to north improvement limit. No additions are anticipated.
- D. Based on approved Intersection Design Study, establish proposed typical sections for Washington and IL21.
- E. Based on approved IDS, determine widening for additional auxiliary lanes.
- F. Based on the installation of protected left turns on Washington, it is assumed that no corrections to the vertical and/or horizontal curves is necessary on Washington.
- G. Determine proposed profile for Washington and IL21 based on existing centerlines.
- H. Develop proposed cross sections every 50' and at each driveway.
- I. Determine potential ROW and environmental impacts based on existing centerline for proposed cross sections.
- J. Determine based on preferred intersection improvement, determine if there is an advantage to widening to one side or the other or remain in the center.
- K. Develop potential alternatives with to minimize potential ROW and environmental impacts.
- L. Determine preferred widening for Washington and IL21.
- M. Develop traffic control concept for Washington and IL21.
- N. Prepare preferred intersection improvement alternative technical memo to document Phase I studies. A Project Report will not be required.
 - 1) Tech memo will include the following:
 - a) Brief summary of completed Phase I studies
 - b) Reference completed Geotechnical Studies
 - c) Reference completed Traffic Studies
 - d) Reference completed Alternative Analysis
 - e) Reference completed Preferred Alternative

- f) Reference design exceptions
 - g) IDS
 - 2) Tech memo will not include the following:
 - a) Location map, functional classification map
 - b) Existing conditions evaluation
 - c) Preferred Improvement Plans
 - i. Cover Sheet
 - ii. Alignment
 - iii. Typical Sections
 - iv. Cross Sections
 - v. Signing
 - O. Prepare Phase I Cost Estimate
 - 1) Prepare Cost sharing estimate for other agencies.
 - P. Federal funding for construction is not being pursued for the project. Grant Applications will not be completed.
 - Q. Submit Draft Tech Memo to LCDOT.
 - R. Address LCDOT Draft Memo comments.
 - S. Address Draft Memo comments.
 - T. Submit Pre-Final Memo to LCDOT.
 - U. Address LCDOT Pre-Final comments.
 - V. Finalize Memo and submit to LCDOT for records.
 - W. Barrier warrant analysis not anticipated.
 - X. Based on Pace Bus coordination, provide bus pads at locations desired by Pace. Adjust cross sections and ROW analysis at these locations.
 - Y. Aesthetics treatments are not included. Standard LCDOT roadway design is anticipated.
 - Z. Structural Studies
 - 1) No existing culverts. Assume no proposed culverts.
 - 2) No existing retaining walls within corridor. Assume no proposed retaining walls.
11. Preliminary Design
- A. Plans – 60%

	# of Sheets
Cover Sheet and Index of Sheets	1
General Notes and List of Standards	2
Summary of Quantities	6
Existing Typical Sections	1
Proposed Typical Sections	1
Schedule of Quantities	20
Alignment, Ties, Benchmarks	2
Removal Plans 1"=20'	5
Plans and Profiles 1"=20'	5
Traffic Control Notes and Typical Sections	4
Traffic Control Plans 1"=20' 3 stages	15
Erosion Control Notes	1
Erosion Control Plans 1"=20' 1 stage	5
Drainage Plans and Profiles 1"=20' by 2IM	5
Right-of-Way Plans by Jorgensen	6
Superelevation Details	2
Intersection Details	2
ADA Details	1
Pavement Marking and Landscaping Plans 1"=20'	5
Traffic Signal Plans by Singh	3
Traffic Signal Interconnect Plan and Schematic by Singh	5
Traffic Signal Details by Singh	7
Temporary Traffic Signal Plans by Singh	4

Temporary Traffic Signal Interconnect Plan and Schematic by Singh	5
Lighting Plans and Details by Singh	4
Project Details	6
LCDOT Standard Details	20
IDOT District Details	20
IDOT Highway Standards	50
Cross Sections 1"=5' Horizontal and Vertical	20
Signing not included	-

- B. Quantity Calculations
- C. Special Provisions
- D. Cost Estimate
- E. Time Estimate
- F. LCSMC Watershed Development Permit by 2IM
 - 1) Modifying watercourse draining 20 or more acres is not required
 - 2) Improvement within a floodplain is not required
 - 3) Detention is not required
 - 4) Disturbing a total of 1 acre or more of wetlands is not required
 - 5) Soil erosion and sediment control is required
 - 6) Water quality measures are required
- G. NPDES Permit including Storm Water Pollution Prevention Plan and Notice of Intent for inclusion in Special Provisions with submittal by LCDOT Construction
- H. IDOT Permit for Intersection Improvement
- I. All permit fees will be paid directly by the County
- J. Submit Preliminary Plans, Special Provisions, Estimates to County
- K. Submit Preliminary Plans, Special Provisions, Estimates, Permit to IDOT

12. Pre-Final Design

- A. Address County Preliminary Comments. Provide Disposition of Comments.
- B. Address IDOT Preliminary Comments. Provide Disposition of Comments.
- C. Revise Plans – 90%
- D. Update Quantity Calculations – 90%
- E. Revise Special Provisions – 90%
- F. Update Cost Estimate – 90%
- G. Update Time Estimate – 90%
- H. Update LCSMC Watershed Development Permit by 2IM – 90%
- I. Update NPDES Permit including Storm Water Pollution Prevention Plan and Notice of Intent – 90%
- J. Update IDOT Permit for Intersection Improvement – 90%
- K. Submit Pre-Final Plans, Special Provisions, Estimates to County
- L. Submit Pre-Final Plans, Special Provisions, Estimates, Permit to IDOT

13. Final Design

- A. Address County Pre-Final Comments. Provide Disposition of Comments.
- B. Address IDOT Pre-Final Comments. Provide Disposition of Comments.
- C. Revise Plans – 100%
- D. Update Quantity Calculations – 100%
- E. Revise Special Provisions – 100%
- F. Update Cost Estimate – 100%
- G. Update Time Estimate – 100%
- H. Update LCSMC Watershed Development Permit by 2IM – 100%
- I. Receive LCSMC Permit Approval
- J. Update NPDES Permit including Storm Water Pollution Prevention Plan and Notice of Intent – 100%
- K. Update IDOT Permit for Intersection Improvement – 100%
- L. Submit Final Plans, Special Provisions, Estimates to County
- M. Submit Final Plans, Special Provisions, Estimates, Permit to IDOT
- N. Receive IDOT Permit Approval

14. Plans For Bid

- A. Prepare Plans for Bid
- B. Submit Final Quantity Calculations to County
- C. Prepare Special Provisions for Bid
- D. Submit Final Cost Estimate to County
- E. Submit Final Time Estimate to County
- F. Submit Final project and CADD files to County

15. Construction Support

- A. Bidding Assistance
- B. Pre-construction meeting
- C. Construction RFI's
- D. Construction coordination

16. Coordination

- A. Meet and coordinate with LCDOT
 - 1) Anticipate 4 meetings in person
 - 2) Anticipate 8 meetings virtual
- B. Meet and coordinate with Village of Gurnee
 - 1) Anticipate 6 meetings in person (Kickoff, Existing conditions, Preferred Alternative, Preliminary Design, Pre-Final Design, Prior to construction)
 - 2) Coordinate with Gurnee regarding red light camera removal prior to construction.
 - 3) Coordinate with Gurnee regarding lighting.
- C. Stakeholder Involvement Group is not anticipated
- D. Coordinate with Gurnee School District 56, Warren Township High School District 121, Gurnee Fire Department, Lake County Stormwater Management, Gurnee Police Department, Pace Bus
 - 1) Submit project introduction letters requesting known issue areas.
 - 2) Provide response letters.
 - 3) Anticipate 2 meetings with each agency, 1 in person and 1 virtual.
 - 4) Submit project summary letters prior to completion of Phase I.
 - 5) Provide response letters.
- E. IDOT Permits meetings
 - 1) Anticipate 1 kickoff meeting in peson
- F. IDOT Geometric meetings
 - 1) Anticipate 2 meetings virtual
- G. IDOT/FHWA coordination meetings are not required due to federal funding for construction not being pursued for the project
- H. Individual property owner meetings anticipated. Assume 2 in person meetings each for each impacted property owner. Assume 12 parcels with 10 owners.
- I. No public involvement meetings are included.
- J. Utilize LCDOT website for project website. Provide pdf exhibits as necessary to LCDOT so that the County can update the website. The County communications group does not need any assistance with website nor social media content.
- K. Assume no project logo
- L. Assume no stakeholder involvement group

17. Quality Management

- A. Provide QA/QC throughout project and prior to each submittal.

18. Project Management


- A. Provide project management staffing, scheduling, and budgeting.
- B. Prepare and submit monthly invoices.
- C. Prepare project schedule and project scope update and include with monthly invoices.

Exhibit B

Project Schedule

Washington Street at Illinois Route 21 Phase I/II Schedule

	2023						2024												2025												2026		
	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	To	12
1 Data Collection																																	
2 Survey																																	
3 Right-of-Way Negotiations																																	
4 Existing Analysis																																	
5 Crash Studies																																	
6 Traffic Studies																																	
7 Environmental Studies																																	
8 Drainage Studies																																	
9 Geotechnical Studies																																	
10 Alternative Analysis																																	
11 Preliminary Design																																	
12 Pre-Final Design																																	
13 Final Design																																	
14 Plans for Bid																																	
15 Construction Support																																	
16 Coordination																																	
17 Quality Management																																	
18 Project Management																																	

 Scope of Work Timeline

 Review Time

Exhibit D

BLR 05514

Cost Estimate of Consultant Services



Local Public Agency	County	Section Number
Lake County Division of Transportation	Lake	22-00999-93-ES
Prime Consultant (Firm) Name	Prepared By	Date
Parsons Transportation Group, Inc.	JRH	5/5/2023
Consultant / Subconsultant Name	Job Number	
Parsons Transportation Group, Inc.		

Note: This is name of the consultant the CECS is being completed for. This name appears at the top of each tab.

Remarks

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PAYROLL ESCALATION TABLE

CONTRACT TERM	30	MONTHS	OVERHEAD RATE	121.60%
START DATE	7/1/2023		COMPLEXITY FACTOR	0
RAISE DATE	6/1/2024		% OF RAISE	2.00%
END DATE	12/31/2025			

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	7/1/2023	6/1/2024	11	36.67%
1	6/2/2024	6/1/2025	12	40.80%
2	6/2/2025	1/1/2026	7	24.28%

The total escalation = 1.74%

Section Number

22-00999-93-ES

Job Number

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET FIXED RAISE

MAXIMUM PAYROLL RATE	86.00
ESCALATION FACTOR	1.74%

[illegible]

DIRECT COSTS WORKSHEET

List ALL direct costs required for this project. Those not listed on the form will not be eligible for reimbursement by the LPA on this project.
EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum	10800	\$0.63	\$6,750.00
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day			\$0.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost	108	\$4.50	\$486.00
Parking	Actual Cost	54	\$30.00	\$1,620.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)	30	\$25.00	\$750.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			\$0.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)			\$0.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utlility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost			\$0.00
Lab Services	Actual Cost (Provide breakdown of each cost)			\$0.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Miovision		6	\$600.00	\$3,600.00
Street Simplified		1	\$7,018.00	\$7,018.00
				\$0.00
				\$0.00
TOTAL DIRECT COSTS:				\$20,224.00

Lake County Division of Transportation

Parsons Transportation Group, Inc.

Lake

22-00999-93-ES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

COMPLEXITY FACTOR 0

943,815

The subconsultant fee has been adjusted due to 15% (fixed) increase in the fee rate. (Rev. 02/09/23)

Printed 5/23/2023 4:56 PM

Page 5 of 9

COST EST

Local Public Agency

Lake County Division of Transportation

Consultant / Subconsultant Name

Parsons Transportation Group, Inc.

County

Lake

Section Number

22-00999-93-ES

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 2 OF 4

PAYROLL CLASSIFICATION	AVG HOURLY RATES	6. Traffic Studies			7. Environmental Studies			8. Drainage Studies			9. Geotechnical Studies			10. Alternative Analysis			11. Preliminary Design		
		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 Engineering Manager	86.00	71	13.45%	11.56	42	17.50%	15.05	14	14.74%	12.67	21	33.33%	28.67	88	12.94%	11.13	179	10.44%	8.98
Supervising Engineer	85.68	7	1.33%	1.14	18	7.50%	6.43												
Principal Engineer	73.96	7	1.33%	0.98				8	8.42%	6.23							9	0.52%	0.39
Senior Engineer	59.94	130	24.62%	14.76	91	37.92%	22.73	33	34.74%	20.82	27	42.86%	25.69	299	43.97%	26.36	690	40.23%	24.12
Engineer II	48.16	70	13.26%	6.39										2	0.29%	0.14			
Engineer I	43.54	81	15.34%	6.68	72	30.00%	13.06	29	30.53%	13.29	12	19.05%	8.29	285	41.91%	18.25	689	40.17%	17.49
Associate Engineer	37.21	142	26.89%	10.01										6	0.88%	0.33			
Senior Technician	54.74	17	3.22%	1.76	6	2.50%	1.37	8	8.42%	4.61							148	8.63%	4.72
Technician	45.10				8	3.33%	1.50												
Administrative Assistant	36.42	3	0.57%	0.21	3	1.25%	0.46	3	3.16%	1.15	3	4.76%	1.73						
TOTALS		528.0	100%	\$53.48	240.0	100%	\$60.59	95.0	100%	\$58.78	63.0	100%	\$64.38	680.0	100%	\$56.21	1715.0	100%	\$55.70

Exhibit E

Subconsultants

Subconsultant:

Jorgensen & Associates, Inc.



JORGENSEN & ASSOCIATES, INC.
LAND SURVEYORS
Est. 1990

May 23, 2023

Mr. Jeffery R. Hall, P.E.
PARSONS
10 S. Riverside Plaza
Suite 400
Chicago, Illinois 60606

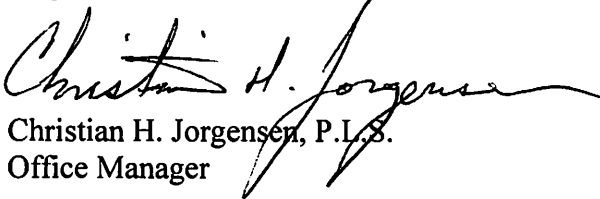
Re: Washington Street and Illinois Route 21 Survey Proposal

Dear Mr. Hall:

Enclosed please find our proposal to prepare a topographic survey and a statutory plat of highways and legal descriptions for the referenced project. Our proposal is based on your emails of May 4th, May 16th, May 22nd and our telephone conversations.

I would like to thank you for considering Jorgensen & Associates for this project. We look forward to continuing our working relationship with your firm. Should you have any questions, comments or require any further information concerning our proposal, please feel free to call me at (847)356-3371.

Respectfully submitted,
Jorgensen & Associates, Inc.


Christian H. Jorgensen, P.L.S.
Office Manager

CHJ/pt

Enclosures

E:\Parsons\Lake\Washington St\Letter

SCOPE OF SERVICES

Topographic Survey

General: The topographic survey to include: structures, ground shots, roadway and shoulders, guardrail, utilities, locate trees 3" and larger and trees less than 3" when such have been intentionally planted for landscaping, locate wetlands delineated by Huff & Huff, soil borings and storm and sanitary sewer inverts within the project corridor.

The project corridor being 50 feet beyond the existing R.O.W. lines (including cross street) of Washington Street and Illinois Route 21 from a point 705 feet South of the center line of Washington Street to a point 750 feet North of the center line of Washington Street and 1,095 feet West of the center line of Illinois Route 21 to a point 1,125 feet East of the center line of Illinois Route 21. The cross street being Woodlake Boulevard. The survey will include the establishment of the existing center lines and R.O.W. lines within the project limits of Washington Street and Illinois Route 21.

Establish bench marks and horizontal control points based on NGS geodetic survey monuments with G.P.S. survey methods. Locate and describe bench marks. The project will be based on NAD '83(2011) and NGVD '88 datums.

Prepare "MicroStation" base file of the topographic survey and provide "GEOPAK" T.I.N.

All work will be completed according to the current Lake County Design Survey Procedures.

Land Acquisition Survey

General: Prepare a Plat of Highways and legal descriptions for 10 parcels requiring 12 title commitments.

The project involves land surveying to reference the highways center lines to public land lines, location of property boundaries, preparation of a statutory plat of highways and legal descriptions, monumentation of the proposed right of way and highways center lines. The preparation and recording of "Monument Record" documents for all U.S. public land survey monuments referenced in the plat of highways.

Search for and locate boundary monumentation and locate appraisal topography on all affected parcels.

Research at County Recorder for any pertinent boundary documentation. Provide and review title commitments, calculate parcel boundaries, proposed center line alignments and proposed right of way lines.

Prepare preliminary plat of highways and legal descriptions.

Monument center line alignments, proposed right of way, section corners and quarter corners.

Prepare final plat of highways and legal descriptions, submit to client for recording.

Route: Washington Street
Section: @ Illinois Route 21
County: Lake
Job No.:

Exhibit "A"

Payroll Burden & Fringe Costs

	<u>% of Direct Productive Payroll</u>
Federal Insurance Contributions Act _____	12.01%
State Unemployment Compensation _____	0.16%
Federal Unemployment Compensation _____	0.10%
Workmen's Compensation Insurance _____	0.42%
Paid Holidays, Vacation, Sick Leave, Personal Leave _____	12.62%
Bonus _____	4.77%
Pension _____	1.11%
Group Insurance _____	<u>37.68%</u>
Total Payroll Burden & Fringe Costs	68.87%

Route: Washington Street
Section: @ Illinois Route 21
County: Lake
Job No.:

Exhibit "B"

Overhead and Indirect Costs

	<u>% of Direct Productive Payroll</u>
Business Insurance _____	2.37%
Depreciation _____	8.41%
Indirect wages and salaries _____	41.79%
Meeting/conventions _____	0.15%
Office Supplies _____	4.80%
Computer Costs _____	5.84%
Professional Fees _____	3.24%
Telephone _____	2.12%
Fees, license & dues _____	1.36%
Repairs and maintenance _____	0.08%
Business space rent _____	5.39%
Facilities - capital _____	0.17%
Survey Supplies _____	3.37%
Automobile/travel expense _____	2.71%
Miscellaneous Expense _____	0.58%
State Income Tax _____	1.37%
Postage _____	0.11%
Educational & Professional Registrations _____	0.05%
Small Equipment Expense _____	<u>1.04%</u>
Total Overhead	84.95%



EXHIBIT D
COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET
FIXED RAISE

Local Public Agency	County	Section Number
Lake County Division of Transportation	Lake	
Prime Consultant (Firm) Name	Prepared By	Date
Jorgensen & Associates, Inc.	Christian H. Jorgensen	5/23/2023
Consultant / Subconsultant Name	Job Number	
Parsons		

Note: This is name of the consultant the CECS is being completed for. This name appears at the top of each tab.

Remarks

PAYROLL ESCALATION TABLE

CONTRACT TERM	24	MONTHS	OVERHEAD RATE	153.82%
START DATE	7/1/2023		COMPLEXITY FACTOR	
RAISE DATE	7/1/2024		% OF RAISE	2.00%
END DATE	6/30/2025			

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	7/1/2023	7/1/2024	12	50.00%
1	7/2/2024	7/1/2025	12	51.00%

Section Number

Lake

Job Number

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EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET FIXED RAISE

86.00

1.00%

[illegible]

Local Public Agency

Lake County Division of Transportation

County

Lake

Section Number**Consultant / Subconsultant Name**

Parsons

Job Number**DIRECT COSTS WORKSHEET**

List ALL direct costs required for this project. Those not listed on the form will not be eligible for reimbursement by the LPA on this project.

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum	1102	\$0.65	\$716.30
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day			\$0.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost			\$0.00
Parking	Actual Cost			\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)	15	\$5.00	\$75.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			\$0.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)			\$0.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost	1	\$60.00	\$60.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Courthouse Fees	Actual Cost	1	\$120.00	\$120.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost			\$0.00
Lab Services	Actual Cost (Provide breakdown of each cost)			\$0.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)	1	\$1,200.00	\$1,200.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
TOTAL DIRECT COSTS:				\$2,171.30

Local Public Agency

Lake County Division of Transportation

County

Lake

Section Number

Consultant / Subconsultant Name

Parsons

Job Number

COST ESTIMATE WORKSHEET

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

OVERHEAD RATE 153.82%

COMPLEXITY FACTOR 0

TASK	DIRECT COSTS (not included in row totals)	STAFF HOURS	PAYROLL	OVERHEAD & FRINGE BENEFITS	FIXED FEE	SERVICES BY OTHERS	TOTAL	% OF GRAND TOTAL
(1) Field-Topographic Survey	1,572	412	11,027	16,962	3,639		31,628	27.97%
(2) Office-Compile Field Data	120	64	2,633	4,050	869		7,552	6.68%
(3) Office-Create Topography Base File		34	1,210	1,862	399		3,471	3.07%
(4) Office-Create T.I.N. & Contours		5	178	274	59		511	0.45%
(5) QC/QA		14	636	979	210		1,825	1.61%
(6) Field-Pick up Topographic Survey	72	80	2,141	3,294	707		6,142	5.43%
(7) Office-Compile Field Data		14	587	903	194		1,684	1.49%
(8) Office-Create Topography Base File		8	285	438	94		817	0.72%
(9) Office-Create T.I.N. & Contours		2	71	110	23		204	0.18%
(10) QC/QA		3	136	210	45		391	0.35%
(11) Pre-Survey Phase	40	5	158	244	52	6,960	7,414	6.56%
(12) Survey Reconnaissance	29	32	856	1,317	283		2,456	2.17%
(13) Project Survey Plan		5	178	274	59		511	0.45%
(14) First Submittal Plat of Hyws. & Descriptions		156	5,810	8,937	1,917		16,664	14.73%
(15) Survey (Field)	172	192	5,139	7,905	1,696		14,740	13.03%
(16) Survey (Office)		55	2,391	3,678	789		6,858	6.06%
(17) Final Submittal Plat of Hwys & Descriptions	169	14	489	752	161		1,402	1.24%
(18) QC/QA		53	2,320	3,569	766		6,655	5.88%
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			-	-	-		-	
Subconsultant DL							\$0.00	
Direct Costs Total ==>	\$2,171.30						\$2,171.30	1.92%
TOTALS		1148	36,245	55,758	11,962	6,960	113,096	100.00%

92,003

BLR 05514 (Rev. 02/09/23)

COST EST

Lake County Division of Transportation

Lake

Parsons

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SHEET 2 OF 4

Lake County Division of Transportation

Parsons

Lake

--

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 3 **OF** 4

Printed 5/23/2023 6:58 AM
Page 7 of 8

BLR 05514 (Rev. 02/09/23)
AVG 3

Lake County Division of Transportation

Lake

--

Parsons

SHEET 4 **OF** 4

Route: Washington Street
Section: @ Illinois Route 21
County: Lake
Job No.:

**Manhour Breakdown
Topographic Survey Estimate**

Illinois Route 21 $\pm 1,455' = \pm 0.276$ mile
Washington Street $\pm \underline{2,220'} = \pm \underline{0.420}$ mile

Total Length $\pm 3,675' = \pm 0.696$ mile

1. Field – Topographic Survey

a. Measure traverse, level circuit & G.P.S. survey 10 hours x 2 men =	20 MH
b. Search & locate existing R.O.W. & section lines 32 hours x 2 men =	64 MH
c. Locate existing topography & inverts 151 hours x 2 men =	302 MH
d. Monument existing center line alignment 9 hours x 2 men =	18 MH
e. Monument/tie section & quarter corners 4 hours x 2 men =	<u>8 MH</u>

Sub-total Item #1 412 MH

2. Office - Compile Field Data

a. Compute traverse, level circuit & G.P.S. survey 6 hours x 1 man =	6 MH
b. Edit & compile field data 24 hours x 1 man =	24 MH
c. Research records 4 hours x 1 man =	4 MH
d. Compute existing R.O.W. lines 30 hours x 1 man =	<u>30 MH</u>

Sub-total Item #2 64 MH

3. Office - Create Existing Topography Base File	
a. Layout and drafting 34 hours x 1 man =	34 MH
4. Office - Create T.I.N. & Contours	
a. Compute contours 5 hours x 1 man =	5 MH
5. QC/QA	
a. Check topographic survey 12 hours x 1 man =	12 MH
b. Check contours 2 hours x 1 man =	<u>2 MH</u>
Sub-total Item #5	14 MH
6. Field – Pick up Topographic Survey	
a. Measure traverse & level circuit 2 hours x 2 men =	4 MH
b. Search & locate existing R.O.W. & section lines 7 hours x 2 men =	14 MH
c. Locate existing topography & inverts 31 hours x 2 men =	<u>62 MH</u>
Sub-total Item #6	80 MH
7. Office - Compile Field Data	
a. Compute traverse & level circuit 2 hours x 1 man =	2 MH
b. Edit & compile field data 5 hours x 1 man =	5 MH
c. Compute existing R.O.W. lines 7 hours x 1 man =	<u>7 MH</u>
Sub-total Item #7	14 MH

8. Office – Create Pick up Survey Existing Topography Base File

a. Layout and drafting

8 hours x 1 man =

8 MH

9. Office - Create T.I.N. & Contours

a. Compute contours

2 hours x 1 man =

2 MH

10. QC/QA

a. Check topographic survey

2 hours x 1 man =

2 MH

b. Check contours

1 hour x 1 man =

1 MH

Sub-total Item #10

3 MH

Route: Washington Street
 Section: @ Illinois Route 21
 County: Lake
 Job No.:

Manhour Breakdown Land Acquisition Estimate

Length of Project

Illinois Route 21	$\pm 1,455' = \pm 0.276 \text{ mile}$
Washington Street	$\pm \underline{2,220'} = \pm \underline{0.420 \text{ mile}}$
 Total Length	 $\pm 3,675' = \pm 0.696 \text{ mile}$

10 Parcels: 6 Fee Simple & Temporary Easement; 1 Fee Simple & Temporary Easement – A & B; 1 Fee Simple – A & B & Temporary Easement – A & B; 2 Temporary Easement

11. Pre-Survey Phase
Research available records

a.	Title Co.)	
)	
b.	Recorder's Office)	3 MH
)	
c.	I.D.O.T.)	
)	
d.	Utilities)	
)	
e.	Private Surveyors)	
)	
f.	Land Owners)	<u>2 MH</u>

Sub-total Item # 11 5 MH

12. Reconnaissance Survey 2 Men 32 MH

13.	Project Survey Plan		$\pm 2,640'$ /sheet - 3 sheets	
a.	Alignment info)		
)		
b.	Existing R.O.W. info)		
)		
c.	Land line data)		
)		
d.	Subdivision data)	3 sheets	<u>5 MH</u>
			Sub-total Item #13	5 MH
14.	First Submittal Plat of Highways & Descriptions			
a.	Ownership info)		
)		
b.	Total holding boundaries)		
)		
c.	Total holding area listing)		5 MH
)		
d.	Private survey info)		
)		
e.	Deed calculated closures)		
f.	Layout and drafting		$\pm 450'$ /sht. ± 8 sheets	
	112 hours x 1 man =			112 MH
	Cover Sheet	1 sheet		
	1 hour x 1 man =			1 MH
	Index Sheet	1 sheet		
	2 hours x 1 man =			2 MH
	Alignment sheets	1 sheet		
	3 hours x 1 man =			3 MH
	Total Holding sheets	4 sheets		
	12 hours x 1 man =			12 MH
g.	Legal descriptions	21 descriptions		<u>21 MH</u>
			Sub-total Item #14	156 MH

15.	Survey (Field)		
a.	Measure existing property lines 30 hours x 2 men =		60 MH
b.	Appraisal topography 38 hours x 2 men =		76 MH
c.	Monument & reference section & quarter corners 3 hours x 2 men =		6 MH
d.	Monument proposed R.O.W. lines 25 hours x 2 men =		<u>50 MH</u>
	Sub-total Item #15		192 MH
16.	Survey (Office)		
a.	Compute traverse 4 hours x 1 man =		4 MH
b.	Compute existing property lines 32 hours x 1 man =		32 MH
c.	Compile appraisal topography 7 hours x 1 man =		7 MH
d.	Compute center line alignment 2 hours x 1 man =		2 MH
e.	Compute proposed R.O.W. 10 hours x 1 man =		<u>10 MH</u>
	Sub-total Item #16		55 MH

17.	Final Submittal Plat of Highways & Descriptions	
a.	Final drafting \pm 15 sheets 5 hours x 1 man =	5 MH
b.	Final descriptions 21 descriptions	2 MH
b.	Prepare & record Monument Records 1 Monument Record	4 MH
d.	Assembly of final papers	<u>3 MH</u>
	Sub-total Item #17	14 MH
18.	QC/QA	
a.	Check preliminary plats 15 sheets	41 MH
b.	Check preliminary legal descriptions 21 legal descriptions	7 MH
c.	Check final plats 15 sheets	3 MH
d.	Check final legal descriptions 21 legal descriptions	<u>2 MH</u>
	Total All Items	1,148 MH

Route: Washington Street
Section: @ Illinois Route 21
County: Lake
Job No.:

**Breakdown of
In House Direct Costs**

Item

1. Field – Topographic Survey

a. Trips to project site – 26 each
± 22 miles/trip x 26 trips = ± 572 miles
± 572 miles @ \$0.65/mile = \$ 371.80

b. Rental of Arrow Board Sign \$ 1,200.00

Sub-total Item #1 \$ 1,571.80

2. Office – Compile Field Data

b. Trips to County Recorder – 1 each
± 30 miles/trip x 1 trip = ± 30 miles
± 30 miles @ \$0.65/mile = \$ 19.50

b. Miscellaneous Records = \$ 100.00

Sub-total Item #2 \$ 119.50

6. Field – Pick up Topographic Survey

b. Trips to project site – 5 each
± 22 miles/trip x 5 trips = ± 110 miles
± 110 miles @ \$0.65/mile = \$ 71.50

11. Pre-Survey Phase

a. Trips to County Recorder – 1 each
± 30 miles/trip x 1 trip = ± 30 miles
± 30 miles @ \$0.65/mile = \$ 19.50

b. Deeds & Monument Records = \$ 20.00

Sub-total Item #11 \$ 39.50

12. Reconnaissance Survey

- a. Trips to project site – 2 each
± 22 miles/trip x 2 trips = ± 44 miles
± 44 miles @ \$0.65/mile = \$ 28.60

15. Survey (Field)

- a. Trips to project site – 12 each
± 22 miles/trip x 12 trips = ± 264 miles
± 264 miles @ \$0.65/mile = \$ 171.60

17. Final Submittal Plat of Highways & Descriptions

- a. Plat of Highways Mylars
15 sheet @ \$5.00/sheet = \$ 75.00
- b. Trips to County Recorder
± 30 miles/trip x 1 trip = ± 30 miles
± 30 miles @ \$0.65/mile = \$ 19.50
- c. Record Monument Records
1 Monument Record @ \$60 = \$ 60.00
- d. Deliver Final Papers to Lake County office
± 22 miles/trip x 1 trip = ± 22 miles
± 22 miles @ \$0.65/mile = \$ 14.30

Total All Items \$ 2,171.30

Route: Washington Street
Section: @ Illinois Route 21
County: Lake
Job No.:

**Breakdown of
Services by Others**

Item

11. Pre-Survey Phase

- | | |
|------------------------------------|-------------|
| a. Commitments for Title Insurance | |
| 12 Commitments @ \$580.00 each = | \$ 6,960.00 |

DESIGN SURVEY PROCEDURES



DESIGN SURVEY PROCEDURES (Revised 2/22/21)

HORIZONTAL ALIGNMENT

Unless otherwise specified in the services contract, the CONSULTANT is to provide the horizontal alignment. The CONSULTANT will conduct all surveying, stationing, and preparation of required plans using English units of measure and the U.S. Survey Foot. The CONSULTANT'S SURVEYOR will try to re-establish the original horizontal alignment as shown on the recorded R.O.W. plats. The CONSULTANT shall contact LCDOT's Land Surveyor to obtain R.O.W. plats and field notes before establishing the horizontal alignment and stationing. The CONSULTANT shall notify LCDOT's Surveyor immediately if the alignment cannot be reproduced or if in the CONSULTANT'S opinion the existing alignment information is in error.

The CONSULTANT'S SURVEYOR, prior to construction, shall stake the PCs, PIs, PTs, and POTs so that the alignment location can be verified before construction staking is initiated. The CONSULTANT'S SURVEYOR will provide four reference ties to all U.S. Public Land Survey Monuments that are located within the construction limits. The reference points should be located outside of the anticipated construction limits if practical, so that they can be used after construction to replace the monuments. The CONSULTANT shall record Monument Records for all Section and Quarter Section corners set or found within the construction limits.

The CONSULTANT will mark the baseline for relocated alignments when off pavement at the PCs, PTs, and POTs with iron rods. The rods shall be set one foot below the surface in farmed land. The CONSULTANT will advise the County of any pavement alignment variations. In cases where the proposed centerline of construction or survey baseline is different from the existing centerline of R.O.W., both shall be shown and the relationship between them shall be indicated on an Alignment & Tie sheet.

ALIGNMENT & TIE SHEET

An Alignment & Tie Sheet shall be provided as part of the final plans. The plans are to be prepared using English units of measure and the U.S. Survey Foot. The station, offset, and coordinates of the alignment points (PCs, PTs, PIs, and POTs) and survey control (traverse) points shall be shown. Coordinates for all projects shall be on the Illinois State Plane Coordinate System, - East zone, NAD83 (Adjustment). The grid (combination) factor for the project shall be shown. A list of traverse points with station, offset, and coordinates shall be provided.

VERTICAL ALIGNMENT

The North American Vertical Datum of 1988 (NAVD 88) shall be used for vertical control. Lake County Mapping Benchmarks are available on-line (<http://gis.lakeco.org/maps/>). NAVD88 benchmarks are available on-line from the National Geodetic Survey. LCDOT's Land Surveyor may also be contacted for benchmarks that may be in the area. The primary benchmarks and site benchmarks shall be listed and described on the Alignment & Tie Sheet. The location of the site benchmarks shall also be shown on the plan sheets with a symbol. Site benchmarks are to be located at less than 1000-foot intervals with a minimum of two (2) on each project.

All benchmarks shall be located on stable objects. LCDOT prefers these objects to be outside the construction limits. Some acceptable benchmark examples are, spikes in poles, bolts on fire hydrant rings, and concrete foundations.

TOPOGRAPHY

The CONSULTANT shall cut cross-sections on station at 50-foot intervals (i.e. XX+00.00 and XX+50.00) and at all points needing clarification. For areas of superelevation or requiring greater detail, cross-sections shall be cut on station at 25-foot intervals. The cross section interval should be defined in the engineering services contract.

Full cross-section profiles will be taken at all cross streets, alleys, cross road culverts, and entrances (commercial, private, and field). Half cross-sections will not be accepted because they skew the computer terrain model.

The CONSULTANT will locate and identify all trees (6 inches in diameter or greater) within the area either side of the centerline, defined by the proposed ROW or construction limits (whichever is greater) plus an additional 10 feet. The trees shall be identified by species and size. The trees shall be located by station/offset and have a ground elevation.

Streams, tributaries, or major drainage ditches located within a lateral distance of 250 feet from centerline (upstream and downstream) shall be surveyed. Alignment, profiles, and cross-sections shall be taken. The stream width shall be shown as the distance measured between the tops of the stream banks. Profile elevations along the bottom of the watercourse shall be taken at a minimum of 50-foot intervals.

The survey shall extend a minimum of 200 feet beyond the roadway construction limits. Cross-sections shall be taken a minimum of 10 feet beyond the proposed R.O.W. or construction limits (whichever is greater). Cross-sections will extend 30 feet beyond the proposed R.O.W. at entrances and 150 feet at minor side roads.

All survey data shall be collected in Illinois State Plane Coordinates – East Zone. The collected survey data for the existing topography shall have a minimum of 3rd Order Accuracy horizontally with readings to the nearest 0.1 feet for vertical on gravel or ground and readings to the nearest 0.01 feet for vertical on all other surfaces.

For ADA ramps: The Consultant shall not use GPS devices to collect vertical data or elevations for hard surfaces e.g. curb and gutter, sidewalk, bike paths etc.

RAILROAD INSURANCE

The CONSULTANT will comply with the railroad's requirements when conducting a survey on the railroad's R.O.W. Usually, this includes obtaining a permit, paying a fee, obtaining Railroad Protective Liability Insurance, notification of a flagman to be present near the rails during the survey operations, and any other requirements of the railroad. The CONSULTANT is responsible for all of the foregoing requirements.

DELIVERABLES

- I. Copies from the CONSULTANT'S field books, showing benchmarks, level circuits, & structure details, such as size and inverts etc.
- II. The Base Drawing at 1:1 scale. All the topographic information shall be plotted electronically. The data shall be in Illinois State Plane Coordinates – East Zone and be recorded in a MICROSTATION (dgn) format. All CAD work shall be according to LCDOT CAD Standards. ASCII files, gpk files, and/or InRoads files containing all point information as described below shall be included. A filename “ID” acronym explanation sheet shall be provided. Backup CDs shall be provided.
- III. Point Information:
 - (1) Point number
 - (2) Northing and Easting coordinate values
 - (3) "Z" elevations
 - (4) Point identification by code
 - (5) Notes



PLAT OF HIGHWAYS & LEGAL DESCRIPTION CHECKLIST

REVISED 2/17/2020

A copy of this initialed and dated checklist shall be submitted to Lake County Division of Transportation along with the Plats of Highway and Legal Descriptions.

	<u>Initials or N/A</u>	<u>Date</u>
1. Plat of Highways sheet size is 22" x 34".	_____	_____
2. A project cover sheet is required.	_____	_____
3. All lettering should be 1/10 th inch or greater.	_____	_____
4. Complete the project box in the lower right-hand corner.	_____	_____
5. Show survey company name, address and/or logo (if applicable) above the title box.	_____	_____
6. Show North Arrow, up or to the right and appropriate scale bar on each page.	_____	_____
7. Coordinates for all projects should be based on Illinois State Plane Coordinate System, East zone, NAD83 (Adjustment). The referenced NGS monumentation should be noted on the plat.	_____	_____
8. Plat will include the following notes:	_____	_____
• Bearings and distances shown hereon reference the Illinois State Plane Coordinate System, East Zone, North American Datum of 1983 (adjustment year) "grid". NOTE: added "grid" for those who look at the plats, such as appraisers, and are not aware that state plane and grid are synonymous and it ties into the next statement.		
• All measured and calculated distances are "grid" not "ground". To obtain ground distances, divide grid distances shown by the combination factor of 0.999999.		
• Areas shown on this plat are "ground".	_____	_____
9. Label the Section, Township, Range, Principal meridian and County at the top of each applicable sheet.	_____	_____
10. Label all subdivisions, (incl. recording date and document number), blocks, and lots on the plat of highways.	_____	_____
11. All known recording dates and document numbers (subdivision, right-of-way, deed, etc.) will be included in the legal descriptions.	_____	_____
12. Show all section/quarter section corners and ties on the Plat of Highway. These should relate to the ties on the corresponding monument records. Label the monument recording date and document number.	_____	_____
13. Show necessary land lines with proper line types (section lines, lot lines, property lines, etc.)	_____	_____
14. Indicate and label the following lines (use the proper IDOT line types):		
• Existing and proposed right-of-way lines (use the proper line types)		
• Existing and proposed access control lines		
• Existing roadway easements lines and proposed easement lines	_____	_____
15. Show width of existing right-of way at least once per sheet.	_____	_____

16. Reference the documents which established the existing right-of-way or "As monumented and occupied" on the plat of highway.

17. **Acquiring Fee to Dedicated Right of Way**

Obtain the fee interest in right of way. When the owner has a fee interest to dedicated right of way that is adjacent to the property, the fee interest is acquired for that portion of the right of way which lies between the existing right of way line and the property line. This would be in addition to any new right of way required. This procedure will eliminate the owner from having to pay taxes on the dedicated right of way and will make it easier for utility companies to obtain permits.

18. Show all distances and bearings as used in the legal descriptions.

19. Show the radius (R), length (L), chord length (CH) and chord bearing (CB) for all curves as used in the legal descriptions (Use curve tables as applicable).

20. Label the Point of Commencing (P.O.C.) and Point of Beginning (P.O.B.) for every parcel when applicable.

21. Total holding property (including contiguous property) should be shown and labels (bearings, distances, angles, etc.) will be identical to the title report legal description.

22. Use land hooks to show common lines of ownership for contiguous property.

23. The property line symbol should be shown on all sides of the total holding parcel.

24. Indicate any land locked remainders.

25. Parcel numbers are to be shown as four (4) digits and boxed in a rectangle. Use the suffix "PE" for Permanent easement "TE" for temporary easement and "AC" for access control. No suffix is needed for a parcel being conveyed.

26. Areas shall be shown to the nearest 0.001 Acre. All parcels 0.010 of an acre or less should also be shown to the nearest square foot.

27. Complete the Parcel Table:

- Parcel Number
- Total Holdings Acres
- Part Taken Acres (Include Square Feet when 0.010 of an acre or less)
- Areas in existing R.O.W. Acres (prescription, monumented, occupied or common law)
- Remainder Area Acres
- Easement Area Acres (Include Square Feet when 0.010 of an acre or less)
- Parcel Index Number (List all P.I.N.'s for the total holdings)

28. Complete the Index Table on cover or as 2nd sheet if too many parcels for cover:

- Parcel Number
- Owners' Name (as listed in the title commitment)
- Sheet Number
- Property Acquired By

29. Legal Description Heading to be on right side & on each sheet:

- Route
- Section
- County
- Parcel Number
- Beginning to ending station (Both stations should be from same center line)
- Parcel Index Number (List only P.I.N.'s for the affected parcel)

- | | | | |
|-----|---|--|--|
| 30. | Legal Descriptions will include the following: | | |
| | <ul style="list-style-type: none"> • CAPTION FORMAT: "... In (Name) County, Illinois, bearings and distances Based on the Illinois State Plane Coordinate System, East Zone, NAD83 (Adjustment year), with a combined factor of _____", described as follows..." • ...BODY OF LEGAL... • END WITH AREA STATEMENT: Said parcel Containing X.XXX acres, more or less, of which X.XXX acres, more or less, was previously dedicated or used for highway purposes. | | |
| 31. | The type and use of all buildings on the total holding should be indicated. | | |
| | <ul style="list-style-type: none"> • All buildings within 100 feet of the proposed right-of-way or easement should be dimensioned and tied perpendicular to the proposed right-of-way. • All buildings beyond 100 feet from the proposed right-of-way or easement should just be outlined on the plat. | | |
| 32. | Show and label all private improvements in the proposed/existing Right-of-Way and proposed easement lines in the parcel. This includes fences, signs, light standards, private utilities, canopies, driveways, parking lots, etc. | | |
| 33. | Show all fuel pump islands with perpendicular ties to the proposed right-of-way or proposed easements. | | |
| 34. | Show all encroachments within the existing right of way.
(This would include parking areas) | | |
| 35. | Label the route and street name designation once per sheet. | | |
| 36. | Label the project's beginning and ending stations | | |
| 37. | Show the proposed centerline and label with IDOT stationing for State highways and LCDOT stationing for County highways, including all station equations. | | |
| 38. | Label the station and offset at the following points: | | |
| | <ul style="list-style-type: none"> • All proposed take and easement corners. • Intersection of all property lines with the proposed right-of-way lines and easement lines. | | |
| 39. | The station of the intersection of the proposed centerline with all Section and Quarter Section lines should be shown. | | |
| 40. | The bearing and distance of all section and quarter section lines measured for the project shall be shown. | | |
| 41. | Show all found monumentation with reference to true corner location. (Note: Following the completion of construction, all property corner monumentation found where new R.O.W. was not acquired shall be verified to still be in place. Any property corner monumentation destroyed within project limits during construction is to be replaced in the previously located positions. This will be coordinated with the Resident Engineer). | | |
| 42. | Show all set monumentation. (Note: Monumentation for proposed R.O.W. is to be placed after completion of construction in areas that may be disturbed during construction, e.g., temporary construction easements. Additionally, all existing property corner monumentation in areas of proposed temporary or permanent easements that have been removed by construction grading shall be replaced after completion of construction. The Consultant will be notified by the Resident Engineer). | | |

43. List in tabular form the state plane coordinates for:
- All centerline and/or survey baseline control points
 - P.C., P.I., P.T.
 - Station equations
 - Project begin and project end points
 - Proposed right of way monuments
 - All found monumentation within project limits
 - All section/quarter section corners utilized.

Provide header for coordinate table text box (see below).

<p style="text-align: center;">PROJECT COORDINATES Illinois State Plane, East Zone, NAD 83 (Adjustment Year)</p>
--

44. Provide legend for all symbols and abbreviations used on plat. _____
45. If a proposed take is in a recorded subdivision, any easements or setback lines shown on the recorded plat that affect the subject parcel are to be shown. _____
46. The language in the certificate for approval by the County Engineer has been changed. The certificate shall only be placed on the cover sheet. The following shall be revised with the Lake County Engineer's name, Road Name, County Highway number(s) and Consultant's name (ALL CAPS): _____

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

I, **County Engineer's Name**, COUNTY ENGINEER OF LAKE COUNTY, ILLINOIS, DO HEREBY APPROVE THE PLAT HEREON, PART OF **Road Name**, COUNTY HIGHWAY **XX** IN SAID COUNTY, PREPARED BY **Consultant's Name** AT MY DIRECTION.

DATED THIS ____ DAY OF _____ 20__ A.D.

COUNTY ENGINEER

Items 47 and 48 shall be completed after initial approval.

47. Monument Record Documents should be prepared and recorded for Section/Quarter Section corners utilized for which no Monument Record exists. New Monument Records should be prepared and recorded for those documents which show ties within the proposed right-of-way. _____
48. Submit one complete set of signed and sealed mylars, a MicroStation file (.dgn), a .pdf file of the signed Plat of Highways, and the legal descriptions in Microsoft Word format and in a .pdf file. _____

Route : Old McHenry Road (County Highway 32)
Section: 11-00083-09-RS
County : Lake
Job No.:
Parcel : 0003-A
Sta. 15+40.18 To Sta. 15+73.00

Index No. 15-30-100-019

That part of the Northwest Quarter of Section 30, Township 43 North, Range 11 East of the Third Principal Meridian, in Lake County, Illinois, bearings and distances are based on the Illinois Coordinate System, NAD 83(2011) East Zone, with a combination factor of 0.9999548166, described as follows:

Commencing at the southeast corner of Lot 2 in Fannings Subdivision, being a subdivision of part of the Northwest Quarter of Section 30, Township 43 North, Range 11 East of the Third Principal Meridian, according to the plat thereof recorded August 1, 1962 as document number 1157511, being also a point on the center line of Old McHenry Road recorded November 17, 1942 as document number 521242; thence on an Illinois Coordinate System NAD 83(2011) East Zone bearing of South 60 degrees 16 minutes 50 seconds East along the said center line of Old McHenry Road, a distance of 222.29 feet to the point of beginning; thence North 29 degrees 43 minutes 10 seconds East, a distance of 40.00 feet to the northeasterly right of way line of Old McHenry Road recorded November 27, 1942 as document number 521617; thence North 64 degrees 01 minute 37 seconds East, a distance of 12.11 feet to the east line of the grantor according to special warranty deed recorded September 4, 2014 as document number 7128488; thence South 2 degrees 14 minutes 50 seconds West along the east line of the grantor according to said special warranty deed, a distance of 56.35 feet to the said center line of Old McHenry Road; thence North 60 degrees 16 minutes 50 seconds West along the said center line of Old McHenry Road, a distance of 32.82 feet to the point of beginning.

Said parcel containing 0.022 acre, more or less, of which 0.021 acre, more or less, was previously dedicated or used for highway purposes.

Example

The following are examples of legal descriptions when extending the right of way to the centerline of the road.

LEGAL DESCRIPTION - PARCEL 003

That part of the Northeast Quarter of Section 31, Township 46 North, Range 10 East of the Third Principal Meridian described as follows: Commencing at the northeast corner of said Northeast Quarter; thence South 0 degrees 23 minutes 30 seconds East, 40.00 feet along the east line of said Northeast Quarter; thence South 89 degrees 27 minutes 46 seconds West, 148.00 feet along a line parallel with and 40.00 feet south of the north line of said Northeast Quarter to the west line of the east 148.00 feet of said Northeast Quarter for the Point of Beginning; thence continuing South 89 degrees 27 minutes 46 seconds West, 213.51 feet to the west line of land described in Document No. 5720634 recorded January 20, 2005; thence North 0 degrees 23 minutes 30 seconds West, 40.00 feet along said west line to the north line of said Northeast Quarter; thence North 89 degrees 27 minutes 46 seconds East, 213.51 feet along said north line to the west line of the east 148.00 feet of said Northeast Quarter; thence South 0 degrees 23 minutes 30 seconds East, 40.00 feet along said west line to the Point of Beginning, all in Lake County, Illinois. Said parcel contains 0.196 acres more or less, of which 0.162 acres more or less have been previously used or dedicated.

LEGAL DESCRIPTION - PARCEL 004

That part of the Northeast Quarter of Section 31, Township 46 North, Range 10 East of the Third Principal Meridian described as follows: Beginning at the northeast corner of said Northeast Quarter; thence South 0 degrees 23 minutes 30 seconds East, 40.00 feet along the east line of said Northeast Quarter; thence South 89 degrees 27 minutes 46 seconds West, 148.00 feet along a line parallel with and 40.00 feet south of the north line of said Northeast Quarter to the west line of the east 148.00 feet of said Northeast Quarter; thence North 0 degrees 23 minutes 30 seconds West, 40.00 feet along said west line to the north line of said Northeast Quarter; thence North 89 degrees 27 minutes 46 seconds East, 148.00 feet along the north line of said Northeast Quarter to the Point of Beginning, all in Lake County, Illinois. Said parcel contains 0.136 acres more or less, of which 0.112 acres more or less have been previously used or dedicated.

Example

STATE OF ILLINOIS)
) SS:
COUNTY OF LAKE)

STORMWATER/DRAINAGE RESTRICTIVE COVENANT BY DEED

_____, fee owner of the following described real property located in the
_____, County of Lake, State of Illinois, being the owner of all
that certain real estate designated and described as follows,

[Legal Description]

said parcel(s)/lot(s) to be subject to the following covenants:

1. **Use Restriction.** A restrictive covenant running with the land for the installation and maintenance of stormwater and drainage facilities are reserved on the following described property:

[Legal Description of Restrictive Covenant Area]

Within these restricted areas, no structure, planting, or other material shall be placed or permitted to remain which may damage or interfere with the installation or performance of stormwater and drainage facilities, floodplain, wetlands & buffer areas or which may change the direction of flow of stormwater or drainage channels in the restricted areas, or which may obstruct or retard the flow of water through stormwater and drainage channels in the restricted area. The restricted area of each lot shall be maintained continuously by the owner of the parcel or lot.

2. **Term.** This covenant is to run with the land and shall be binding on all parties and their successors and all persons claiming under them, and all public agencies, for a perpetual period from the date these covenants are recorded.
3. **Enforcement.** Enforcement shall be by proceedings at law or in equity against any person violating or threatening to violate any covenant either to restrain violation or to recover damages. Enforcement may be undertaken by any grant or grantee in the chain of title, any property owner lying downstream or upstream adversely affected by any violation or threat to violate this covenant, or the host municipality or stormwater management commission.
4. **Reference.** This restrictive covenant shall be referenced on all deeds or other future instruments of conveyance for the subject parcel(s)/lot(s).

In Witness Whereof _____, the fee owner, has

caused these presents to be signed and acknowledged, this _____ day of
_____, 2_____.

By: _____

STATE OF ILLINOIS)

) SS:

COUNTY OF LAKE)

STORMWATER/DRAINAGE RESTRICTIVE COVENANT BY PLAT

_____, fee owner of the following described real property located in the _____, County of Lake, State of Illinois, such property being the real property now duly platted as _____, as such plat is now recorded as Document No. _____, in the office of the Recorder of Deeds of the County of Lake, State of Illinois, makes the following declarations as to limitations, restrictions and uses to which those areas designated as stormwater & drainage ways or floodplain wetland & buffer areas in said parcel/subdivision may be put, and specifies that such declarations shall constitute covenants to run with all the land, as provided by law, and shall be binding on all parties and their successors, and all persons claiming under them, and for the benefit of and limitations on all future owners in such parcel/subdivision and the surrounding and downstream and upstream areas, this declaration being in compliance with applicable stormwater and drainage rules, regulations, and ordinances, and suitable for such stormwater retention and drainage pathways and facilities, as specified herein:

1. **Use Restriction.** A restrictive covenant running with the land for the installation and maintenance of stormwater and drainage floodplain wetlands & buffer areas are reserved as shown on the recorded plat. Within these restricted areas, no structure, planting, or other material shall be placed or permitted to remain which may damage or interfere with the installation or performance of stormwater and drainage floodplain wetland & buffer areas, or which may change the direction of flow of stormwater or drainage channels in the restricted areas, or which may obstruct or retard the flow of water through stormwater and drainage channels in the restricted area. The restricted area of each lot shall be maintained continuously by the owner of the lot, except for those improvements for which a public authority or a homeowners association has formally accepted responsibility.

2. **Term** This covenant is to run with the land and shall be binding on all parties and their successors and all persons claiming under them, and all public agencies, for a perpetual period from the date these covenants are recorded.
3. **Enforcement.** Enforcement shall be by proceedings at law or in equity against any person violating or threatening to violate any covenant either to restrain violation or to recover damages. Enforcement may be undertaken by any grantor or grantee in the chain of title, any property owner in the subdivision, any property owner lying downstream or upstream adversely effected by any violation or threat to violate this covenant, or the host municipality or stormwater management commission.
4. **Reference.** This restrictive covenant shall be referenced on all deeds or other instruments of conveyance for all lots or parcels in said _____ subdivision.

In Witness Whereof _____, the fee owner, has caused these presents to be signed and acknowledged, this _____ day of _____, 2____.

By: _____

[illegible]

_____, fee owner of the following designated and described real property located in the [Name of Subdivision, if applicable], [City or Village], County of Lake, State of Illinois:

hereby makes the following declarations as to limitations, restrictions and uses to which those areas designated as WETLAND and WETLAND BUFFER in said property may be put, and specifies that such declarations shall constitute covenants to run with all the land, as provided by law, and shall be binding on all parties and their successors, and all persons claiming under them, and for the benefit of and limitations on all future owners of said property and the surrounding and downstream and upstream areas, this declaration being in compliance with applicable wetland regulations, stormwater and drainage rules, and ordinances as specified herein:

1. Purpose. The purpose of this restrictive covenant is to perpetually preserve the wetland(s) and associated buffer(s) in their natural condition. Specifically, this covenant will serve to protect the wetland and buffer areas identified in the permit documents **[REFERENCE LAKE COUNTY WATERSHED DEVELOPMENT PERMIT # and/or U.S. ARMY CORPS OF ENGINEERS PERMIT #]**.
2. Prohibited Actions. Any activity on, or use of, the wetland and buffer that is inconsistent with the purpose of this covenant is expressly prohibited. By way of example, but not by way of limitation, the following activities and uses are explicitly prohibited:
 - i. Division. Any division or subdivision of the wetland and buffer areas is prohibited.
 - ii. Commercial Activities. Any commercial activity on the wetland and buffer areas, except for passive recreational activity, is prohibited.
 - iii. Industrial Activities. Any industrial activity on the wetland and buffer areas is prohibited.
 - iv. Construction. The placement or construction of any human-made structure or feature on the wetland and buffer areas including, but not limited to, buildings, fences, roads, and parking lots is prohibited.
 - v. Vegetation. Any cutting, mowing, plowing, or removal of trees or other vegetation in the wetland and buffer areas is prohibited, except for the cutting or removal of trees which pose a threat to human life or property. Removal of non-native vegetation from the wetland and buffer areas is permitted, if conducted in accordance with an approved maintenance plan.
 - vi. Land Surface Alteration. Any alteration of the land surface in the wetland and buffer areas is prohibited, including, but not limited to, the placement of dredged or fill material, excavation, and grading. In addition, mining of any substance that must be quarried or removed by methods that will consume or deplete the surface estate, including, but not limited to, the removal of topsoil, sand, gravel,

rock, and peat, and exploring for, developing, and extracting oil, gas, hydrocarbons, or petroleum products are all prohibited activities in the wetland and buffer areas.

- vii. Utilities. Unless included as part of the permitted plans, no underground or overhead utility lines shall be allowed in the wetland and buffer areas, including, but not limited to sewer, water, electrical, gas, telephone, and cable television. Existing lines may remain, but any proposed maintenance work requiring intrusion into wetland and buffer areas shall require prior written authorization from the Lake County Stormwater Management Commission ("SMC"), except for emergency repair of utility lines that pose a threat to human health and safety.
 - viii. Dumping. Waste, debris, and unsightly or offensive material is not allowed and may not be accumulated on the wetland and buffer areas.
 - ix. Water Courses. Natural water courses, lakes, wetlands, or other bodies of water may not be altered.
 - x. Off-Road Recreational Vehicles. Motorized off-road vehicles including, but not limited to, snowmobiles, dune buggies, all-terrain vehicles, and motorcycles may not be operated on the wetland and buffer areas, except on designated trails shown on the permitted plans.
 - xi. Signs and Billboards. Billboards are prohibited. Signs are prohibited, except the following signs may be displayed to specifically state: 1) The name and address of the property or the owner's name; 2) the area is a protected wetland/conservation area; 3) prohibition of any unauthorized entry or use; or 4) an advertisement for the sale or rent of the Property.
3. Term. This covenant is to run with the land and shall be binding on all parties and their successors and all persons claiming under them, and all public agencies, for perpetuity from the date these covenants are recorded.
4. Enforcement. Enforcement shall be by proceedings at law or in equity against any person violating or threatening to violate any covenant either to restrain violation or to recover damages. Enforcement may be undertaken by any grantor or grantee in the chain of title, any adjoining property owner, any property owner lying downstream or upstream adversely effected by any violation or threat to violate this covenant, the host municipality, the SMC, or the U.S. Army Corps of Engineers ("USACE").
5. Reference. This restrictive covenant shall be referenced on the deed or other instruments of conveyance for said property.

In Witness Whereof _____, the fee owner, has caused these presents to be signed and acknowledged, this _____ day of _____, 2_____.

By: _____

[illegible]

_____, fee owner of the following described real property located within the Village/City of _____, County of Lake, State of Illinois, such property being the real property now duly platted as _____, as such plat is now recorded as Document No. _____, in the office of the Recorder of Deeds of the County of Lake, State of Illinois, hereby makes the following declarations as to limitations, restrictions and uses to which those areas designated as “WETLAND” and “WETLAND BUFFER” in said parcel/subdivision may be put, and specifies that such declarations shall constitute covenants to run with all the land, as provided by law, and shall be binding on all parties and their successors, and all persons claiming under them, and for the benefit of and limitations on all future owners in such parcel/subdivision and the surrounding and downstream and upstream areas, this declaration being in compliance with applicable stormwater and drainage rules, regulations, and ordinances as specified herein:

1. Purpose. The purpose of this restrictive covenant is to perpetually preserve the wetland(s) and associated buffer(s) in their natural condition. Specifically, this covenant will serve to protect the wetland and buffer areas identified in the permit documents **[REFERENCE LAKE COUNTY WATERSHED DEVELOPMENT PERMIT # and/or U.S. ARMY CORPS OF ENGINEERS PERMIT #]**.
2. Prohibited Actions. Any activity on, or use of, the wetland and buffer that is inconsistent with the purpose of this covenant is expressly prohibited. By way of example, but not by way of limitation, the following activities and uses are explicitly prohibited:
 - i. Division. Any division or subdivision of the wetland and buffer areas is prohibited.
 - ii. Commercial Activities. Any commercial activity on the wetland and buffer areas, except for passive recreational activity, is prohibited.
 - iii. Industrial Activities. Any industrial activity on the wetland and buffer areas is prohibited.
 - iv. Construction. The placement or construction of any human-made structure or feature on the wetland and buffer areas including, but not limited to, buildings, fences, roads, and parking lots is prohibited.
 - v. Vegetation. Any cutting, mowing, plowing, or removal of trees or other vegetation in the wetland and buffer areas is prohibited, except for the cutting or removal of trees which pose a threat to human life or property. Removal of non-native vegetation from the wetland and buffer areas is permitted, if conducted in accordance with an approved maintenance plan.
 - vi. Land Surface Alteration. Any alteration of the land surface in the wetland and buffer areas is prohibited, including, but not limited to, the placement of dredged or fill material, excavation, and grading. In addition, mining of any substance that must be quarried or removed by methods that will consume or deplete the surface estate, including, but not limited to, the removal of topsoil, sand, gravel,

rock, and peat, and exploring for, developing, and extracting oil, gas, hydrocarbons, or petroleum products are all prohibited activities in the wetland and buffer areas.

- vii. Utilities. Unless included as part of the permitted plans, no underground or overhead utility lines shall be allowed in the wetland and buffer areas, including, but not limited to sewer, water, electrical, gas, telephone, and cable television. Existing lines may remain, but any proposed maintenance work requiring intrusion into wetland and buffer areas shall require prior written authorization from the Lake County Stormwater Management Commission ("SMC"), except for emergency repair of utility lines that pose a threat to human health and safety.
 - viii. Dumping. Waste, debris, and unsightly or offensive material is not allowed and may not be accumulated on the wetland and buffer areas.
 - ix. Water Courses. Natural water courses, lakes, wetlands, or other bodies of water may not be altered.
 - x. Off-Road Recreational Vehicles. Motorized off-road vehicles including, but not limited to, snowmobiles, dune buggies, all-terrain vehicles, and motorcycles may not be operated on the wetland and buffer areas, except on designated trails shown on the permitted plans.
 - xi. Signs and Billboards. Billboards are prohibited. Signs are prohibited, except the following signs may be displayed to specifically state: 1) The name and address of the property or the owner's name; 2) the area is a protected wetland/conservation area; 3) prohibition of any unauthorized entry or use; or 4) an advertisement for the sale or rent of the Property.
3. Term. This covenant is to run with the land and shall be binding on all parties and their successors and all persons claiming under them, and all public agencies, for perpetuity from the date these covenants are recorded.
4. Enforcement. Enforcement shall be by proceedings at law or in equity against any person violating or threatening to violate any covenant either to restrain violation or to recover damages. Enforcement may be undertaken by any grantor or grantee in the chain of title, any property owner in the subdivision, any property owner lying downstream or upstream adversely effected by any violation or threat to violate this covenant, the host municipality, the SMC, or the U.S. Army Corps of Engineers ("USACE").
5. Reference. This restrictive covenant shall be referenced on the deed or other instruments of conveyance for said property.

In Witness Whereof _____, the fee owner, has caused these presents to be signed and acknowledged, this _____ day of _____, 2_____.

By: _____

PLATS

Guidelines for Recording

The following guidelines based on statutory requirements are offered to help in the preparation, execution and recordation of various plats. It is my hope as Lake County Recorder, that these guidelines are helpful to our customers and landowners. Should you have additional questions or need further clarification, please do not hesitate to contact my office at (847) 377-2575. We look forward to serving you with courtesy and efficiency!



Lake County RECORDER OF DEEDS
18 N County St – 6th Floor
Waukegan, IL 60085-4358

Phone: (847) 377-2575
Fax: (847) 984-5860
e-mail: recorder@lakecountyil.gov
website: www.lakecountyil.gov/recorder

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Subdivision of Land

Illinois Compiled Statutes Ch. 765 Act 205

Whenever the owner of land subdivides it into 2 or more parts, any of which is less than 5 acres, he must have it surveyed and a subdivision plat thereof made by an Illinois Registered Land Surveyor. If any city, village or town has adopted an official plan, or part thereof, the plat of land situated within the area affected thereby must conform to the official plan or part thereof. (Requirements apply to Plats of Resubdivision, Planned Unit Developments and Consolidations as well.)

No subdivision plat is required in the instances outlined per the Plat Act Affidavit (see attachment), however the completed Plat Act Affidavit must be recorded with the deed.

Recording Requirements Checklist

- Is the plat an original between 8½" x 14" and 30" x 36"? (pg. 4)
- Has the Surveyor authorized another party to record the plat by a statement with his original signature and seal? (May be on a separate piece of paper, but must include the surveyor's original signature and seal.) (pg.4)
- Does the plat contain the name and address of the party submitting the recording? (pg. 4)
- Does plat have a mail-to address specified? (pg. 5)
- Has the Surveyor signed and sealed the plat after completing the legal description, a description of public ways and utilities, a certificate stating the location of the property within a municipality or the county, FEMA certification, and Department of Natural Resources approval? (pg. 6)
- Has the owner, his representative, or a Trust Officer signed the plat and included the printed name and address of the signer? (pg. 5)
- Has the owner, his representative, or a Trust Officer signature been notarized and the notary seal affixed? (pg. 5) (All owners must be notarized.)
- Has the owner submitted the School District Certificate? (not applicable for Plats of Resubdivision, Planned Unit Developments or Consolidations) (May be on a separate piece of paper, but must include the owner's signature(s) and must be notarized.) (pg. 5)
- Have the municipal corporate authorities approved the plat and indicated same by signatures, date and seals? (pg. 7)
- Has the municipal collector signed off on the plat? (Not necessary for property in unincorporated Lake County.) (pg. 7)
- Has the county plat officer approved the plat and signed and sealed it? (Only for property in unincorporated Lake County.) (pg. 7)
- Has LCDOT or IDOT signed and sealed the plat? (applies to plats with applicable roads) (pg. 7)
- Has the county clerk certified tax payment and signed and sealed the plat? (pg. 7)

General Plat Requirements

1. Plats must measure at least 8½" x 14", but no larger than 30" x 36".
2. We suggest additional copies be submitted at the time of recording for the customer's use. The Recorder's Office can provide copies at the time of recordation for a fee of \$5.00 per page.
3. Plats containing blank or illegible signature certificates will not be accepted for recording.
4. Plats of Subdivision, Resubdivision, Planned Unit Developments or Consolidations must be presented for recording by the Registered Land Surveyor who signed and sealed the plat. The surveyor may designate another party to submit the plat for recording on a certificate on the plat or by a separate letter. This designation must include the original surveyor signature and seal.
5. All plats must contain the name and address of the person actually submitting the plat for recording.
6. The names of all persons signing the plat must be typed or printed under or next to each signature except for notaries, as the notary seal is sufficient. The notary seal must be readable so the expiration date can be confirmed.
7. Corporate and municipal seals should be affixed to the plat where applicable.
8. *Note:* The Recorder's Office assumes that all statutory requirements enforced by the municipality and/or county have been met as verified by the approval and signatures of the municipal and/or county officers.
9. Plats of Consolidation are referenced in the Lake County Unified Development Ordinance (UDO) and some municipal development ordinances to address the use of more than one parcel for development purposes. Plats of Consolidation must meet all the requirements of a Plat of Resubdivision and should be renamed to reflect the new identity of the consolidation.

Public Act 92-0361 effective 1/1/02 provides that a plat of consolidation is exempt from municipal approval if the sole purpose of the consolidation is to bring a non-conforming parcel into conformance with local zoning requirements. The county must notify all municipalities located within 1 ½ miles of the subject property within 10 days after receiving a request. This exemption does not apply for an area in excess of 10 acres or to any consolidation that results in a plat of more than 10 individual lots flowing the consolidation.

Consolidations for combining tax parcels for tax purposes can be made by written request of the property owner to the Map Services Department. This type of consolidation does not change the underlying lot numbers in the subdivision. To create

a new lot of record, a Plat of Subdivision or Plat of Resubdivision should be prepared and named - for example, Plat of Subdivision - Smith Consolidation. (Rev. 12/15/97)

10. Plats of Survey and Highway Plats will be accepted for recording and indexed by property owner name. Additional signature certificates are not required. A clear designation of the owner, highway or property name will facilitate indexing and retrieval of the plat. (Rev. 12/31/97)
11. Mail-to name and address are required.

Owner's Certificate

1. The plat must contain a signature certificate with original signatures of the landowner or a representative of the owner.
2. If the property is owned under a Trust, the Trust Officer signature and seal of the bank (if available) must be included on the plat.
3. The name and address of the owner(s) or Trust Officer are to be printed under each signature.
4. The signature of the owner(s) must be acknowledged by a Notary Public and a legible seal for the notary stamped on the plat.
5. Public Act 90-286 (765 ILCS 205/1.005) requires when an owner is required to file a plat pursuant to Section 1 of the Plat Act, the owner shall submit simultaneously with the subdivision plat a notarized statement indicating to the best of the owner's knowledge, the school district in which each tract, parcel, lot or block lies. Can be a certificate on plat or separate paper. If statement included on plat, owner(s) signature and acknowledgement need not be provided twice. **(not applicable for Plats of Resubdivision or Consolidation)**

Recorder's Certificate

The Recorder's file stamp will indicate the date and time of recording and assign a document number.

Surveyor's Certificate

1. The plat must contain a complete legal description of the property being subdivided or resubdivided.
2. The plat must particularly describe and set forth all public streets, alleys, ways for public service facilities, ways for utility services and community antenna television systems, parks, playgrounds, school grounds or other public grounds, and all the tracts, parcels, lots or blocks, and numbering all such lots, blocks or parcels by progressive numbers, giving their precise dimensions. Additional topographical and profile studies may be prepared as subsidiary studies. (For further reference see 765 ILCS 205/1)
3. Surveyor's certificate must state if the land is or is not within any incorporated city, town or village, or within 1.5 miles of the corporate limits of any incorporated city, town or village which has adopted a city plan and is exercising the special powers authorized by Division 12 of Article 11 of the Illinois Municipal Code, as now or hereafter amended, and not included in any municipality. (See attached Samples of Surveyor's Certificates)
4. Surveyor's certificate must indicate whether any part of the land is located within a special flood hazard area as identified by the Federal Emergency Management Agency (FEMA).
5. Any land bordering on or including any public waters of the State must be approved by the Department of Natural Resources. Sample certificate:

Approved by the Department of Natural Resources of the State of Illinois insofar as this subdivision plat, showing lands bordering upon or including public waters of the State of Illinois, relates to the provisions of 615 ICLS 5/7, "An Act in relation to the regulation of rivers, lakes and streams of the State of Illinois" approved June 10, 1911, as mended, requiring review and approval by said Department as to the boundary line between private interests and public interests. Dated at Springfield, Illinois, this _day of _____, 2____

_____.

State of Illinois by its Department of Natural Resources

By: _____, Director

6. The original plat must contain the Surveyor's original signature and seal, which may either be printed or embossed/raised. (For further reference see 225 ILCS 330/15)

Municipal Certificates

1. The corporate authorities may provide by ordinance that any map, plat or subdivision of any block, lot, sub-lot, or part thereof, shall be submitted to the corporate authorities, or to some officer to be designated by them, for approval prior to being accepted for recording. (65 ILCS 5/11-15-1)

The municipality or county shall not approve the plat unless the topographical and profile studies to be submitted with the subdivision plat have on their face the signed statement of a Registered Professional Engineer, and the owner of the land or his duly authorized attorney, a statement re: the drainage of surface waters. The topographical and profile studies shall not be recorded but shall be retained and filed by the municipality or county.

Neither should the municipality or county approve a plat until the Illinois Department of Transportation, local highway authority, and or local health departments have provided written approval as needed.

2. Corporate approval must be indicated by the signature of the mayor/president and attested to by the municipal clerk with the date of approval included. Corporate approval signed by City Clerk only is acceptable as long as date of approval is listed.
3. Village seal must be applied/embossed.
4. Approval by a municipal Planning Commission may be indicated by the signature of the chair of said commission including the date of approval.
5. The municipal collector or other municipal representative must sign off attesting to any unpaid special assessments.

County Certificates

1. If county approval is required (based on description included in Surveyor's Certificate), the County Plat Officer must sign and seal the plat.
2. If the plat includes a County Highway, the Lake County Division of Transportation must sign the applicable certificate (see samples) allowing or prohibiting access (765 ILCS 205/2).
3. The County Clerk must certify that there are no delinquent general taxes, unpaid current general taxes, delinquent special assessments or unpaid current special assessments against any of the land included in the described property. The certificate must be signed and sealed by the County Clerk or an authorized staff member. (35 ILCS 200/9-55) A sample County Clerk certificate can be found on page 12.

Condominium Plat & Declaration

Illinois Compiled Statutes Ch. 765 Act 605/4-5

Condominium Plat - This is a plat of survey of the land parcel and all units in the property. The Condominium Plat shall consist of a horizontal and vertical delineation (drawing) of each unit. These unit drawings within the Condominium Plat must provide linear measurements and location of building improvements and/or structures located on the parcel. The unit drawing must also provide the elevations above and below and measurements of finished or unfinished interior surfaces of floors and ceilings; the measurements of finished or unfinished interior surfaces of all perimeter walls; locations of wall surfaces and/or unit boundaries with respect the exterior boundaries as projected upward. The plat (unit) drawings must also provide measurements of the perimeter boundaries of that part of the property which constitutes a unit or any part thereof. Each unit shall be identified on the plat by a distinguishing number or symbol.

General Condominium Plat Recording Requirements

1. Plats must measure at least 8½" x 14", but no larger than 30" x 36".
2. Plat must contain legal description and signature certificate from the Registered Land Surveyor as preparer of the plat including an original signature and the surveyor's seal.
3. Plat must contain floor and ceiling elevations of condominium units.
4. Each unit must be identified by number or symbol *as stated in the Declaration*.
5. 1 original Condominium Plat and Declaration and 3 copies of each must be provided to the Recorder's Office.

Condominium Declaration

The Condominium Plat must be filed simultaneously with the Declaration.

The contents of the Declaration are as follows:

- The legal description of the parcel.
- The legal description of each unit w/identifying number or symbol.
- The name of the condominium, including the word Condominium.
- The name of the city and county where the condominium is located.
- The percentage of ownership interest in each unit. (Must total 100%.)
- The Declaration must also have preparer's name.
- The Declaration must also have the mail-to information.
- Declaration must be signed, dated and notarized. (*Signed by owner, developer, declarant.*)

Please note that the Recorder's office assumes, where it is applicable, that all statutory requirements enforced by the county and/or the municipality have been met.

Recording Requirements for Amendment to a Declaration for Condominium

1 original and 3 copies required for the Recorder

Illinois Compiled Statutes Ch. 765 Act 605/17 & 25

- Legal description.
- Name of the Condominium.
- Document number of the original recorded Condominium.
- Reference in language to pages/exhibits being amended.
- Amendment must have preparer's name.
- Amendment must have the mail-to information.
- Amendment must be signed, dated and notarized. (*Signed by owner, developer, declarant.*)

Recording Requirements for Amendment that Adds Units

1 original and 3 copies required for the Recorder

Illinois Compiled Statutes Ch. 765 Act 605/17 & 25

- Name of the Condominium.
- Document number of the original recorded Condominium.
- Legal description of each unit w/identifying number or symbol.
- Percentage of ownership interest in each unit. (Must total 100%.)
- Amendment must have preparer's name.
- Amendment must have the mail-to information.
- Amendment must be signed, dated and notarized. (*Signed by owner, developer, declarant.*)
- Plat adding units have same requirements as original condominium plat.
- Plat must measure at least 8.5" x 14" but no more than 30" x 36".
- Plat must contain legal description and signature certificate from the Registered Land Surveyor as preparer of the plat including an original signature and the surveyor's seal.
- Plat must contain floor and ceiling elevations of condominium units.
- Each unit must be identified by number or symbol as stated in the Declaration.

Dedication Plat (Also applies to dedication of right of way)

Illinois Compiled Statutes Ch. 765 Act 205/3

The acknowledgement and recording of a plat of dedication, or the acknowledgement and the filing of the same shall be held in all courts to be a conveyance in fee simple of such portions of the premises platted as are marked or noted on such plat as donated or granted to the public, or any person, religious society, corporation, or body politic, and as a general warranty against the donor, his or her heirs and representatives, to such donee or grantee, for their use or for the use and purposes therein named or intended, and for no other use or purpose; and the premises intended for any street, alley, way, common or other public use in any city, village or town, or addition thereto, shall be held in the corporate name thereof in trust to and for the uses and purposes set forth or intended.

Recording Requirements for Dedication Plats

1. Plat must measure at least 8½" x 14", but no larger than 30" x 36".
2. As an instrument of conveyance, the name and address of the owner or owners to whom subsequent tax bills are to be sent shall be endorsed on the instrument. If eligible for tax exemption, an application for tax-exempt status on dedicated property is required through the Chief County Assessment Office.
3. The plat must contain a legal description and signature certificate from the Registered Land Surveyor as preparer including an original signature and surveyor's seal.
4. Metes and bounds descriptions must contain section, township and range with an identifiable point of beginning.
5. The plat must contain a signature certificate with original signatures of the land owner or representative of the owner.
6. The name and address of the owner must be printed under the signature.
7. The signature of the owner must be acknowledged by a Notary Public and a legible seal for the notary stamped on the plat.
8. Corporate approval (when applicable) must be indicated by the signature of the mayor/president/county chair and attested to by the municipal/county clerk including date of approval.
9. Village seal must be applied/embossed.
10. The attached guidelines apply to plats of dedication to the County of Lake for public road purposes. (Rev. 5/2/00)
11. The County Clerk must certify that there are no delinquent or current property taxes due, or outstanding special assessments. The certificate must be signed and sealed by the County Clerk or an authorized staff member.
12. The Recorder's file stamp will indicate the date and time of recording and assign a document number.
13. Mail-to name and address required.

Plat of Dedication to the County of Lake for Road Purposes

**PLEASE CONTACT LAKE COUNTY DIVISION OF TRANSPORTATION
FOR ADDITIONAL ASSISTANCE REGARDING THIS INFORMATION**

Heading:

PLAT OF DEDICATION
TO THE COUNTY OF LAKE
FOR
PUBLIC ROAD PURPOSES

Items Needed:

1. Legal Description (under heading)
2. Sketch showing old and new right of way, name of road and County Highway number
3. Right of way shall be designated as "HEREBY DEDICATED FOR PUBLIC ROAD PURPOSES."
4. PIN of property
5. Title report

Certificates Needed:

1. Certificates for property owner(s) stating that property has been surveyed and dedicated. Includes owner's address.
2. Notary Public Certificate
3. Mortgagee Certificate (if applicable)
4. County Clerk's Certificate (unpaid taxes – see below)
5. Collector's of Special Assessments Certificate (unpaid assessments)
6. Surveyor's Certificate
7. County Engineer's Certificate (see below)

Sample County Engineer's Certificate

STATE OF ILLINOIS
COUNTY OF LAKE

} SS

This dedication hereby accepted for public road purpose this _____ day of _____, _____

COUNTY ENGINEER

Sample Mortgage Subordination

_____ as the legal holder and owner of a mortgage dated _____ and recorded as document number _____ in _____ Lake County, Illinois, on _____ does hereby consent to and subordinate its interests in the property described in this Plat of Dedication to the County of Lake for Public Road Purposes. This subordination only applies to the portion of the mortgaged property dedicated for public road purposes and does not release the property owner from any of the obligations of the mortgage with respect to the remaining property.

Dated this _____ day of _____, _____

By: _____

Title: _____

Sample County Clerk's Certificate

STATE OF ILLINOIS

COUNTY OF LAKE

} SS

I, _____, County Clerk of Lake County, Illinois, do hereby certify that there are **no delinquent general taxes, unpaid current general taxes, delinquent special assessments or unpaid current special assessments** against any of the land included in the described property. I further certify that I have received all statutory fees in connection with the plat.

Given under my hand and seal of the County Clerk of Lake County, Illinois.

Dated this _____ day of _____, A.D. _____

Lake County Clerk

Vacation Plat

Illinois Compiled Statutes Ch. 765 Act 205/6

Any plat may be vacated by the owner of the premises at any time before the sale of any lot therein, by a written instrument to which a copy of the plat is attached, declaring it to be vacated. If there are public service facilities in the highways, streets, alleys and other public ways and in easements shown on the plat, the instrument shall reserve to the public body or public utility owning such facilities, the property, rights of way and easements necessary for continuing public service by means of those facilities and for the maintenance, renewal and reconstruction of same. The instrument shall be approved by the city council or village or county board in the same manner as plats of subdivisions. The instrument shall also be submitted for approval to the Highway Commissioner and to the county engineer or superintendent of highways and to the District Engineer of the Department of Transportation of the state and to the public utility or utilities involved. The instrument shall be executed, acknowledged or proved and recorded or filed in the same manner as plats or subdivisions. When lots have been sold the plat may be vacated in the manner provided in this section by all the owners of lots in the plat joining in the execution of the writing.

Vacating of Streets and Alleys

Municipal Vacations 65 ILCS 5/11-91-1

Whenever the corporate authorities of any municipality, whether incorporated by special act or under any general law, determine that the public interest will be subserved by vacating any street or alley, or part thereof, within their jurisdiction in any incorporated area, they may vacate that street or alley, or part thereof, by an ordinance. But this ordinance shall be passed by the affirmative vote of at least three-fourths of the aldermen, trustees or commissioners then holding office. This vote shall be taken by ayes and noes and entered on the records of the corporate authorities.

The ordinance may or may not include a plat as an exhibit. A plat without an ordinance may be accepted if reference is made to the ordinance.

Title Upon Vacation

Municipalities 65 ILCS 5/11-91-2

Except in cases where the deed, or other instrument, dedicating a street or alley, or part thereof, has expressly provided for a specific devolution of the title thereto upon the abandonment or vacation thereof, whenever any street or alley, or any part thereof, is vacated under or by virtue of any ordinance of any municipality, the title to the land included within the street or alley, or part thereof, so vacated, vests in the then owners of the land abutting thereon.

Township Roads 605 ILCS
5/6-303

Existing township and district roads may be widened, altered or vacated, and new township and district roads may be laid out in the manner provided in this Division of this Code. Any number of voters not less than 5% of the legal voters, or 12 legal voters, whichever is less, residing in any road district may file a petition with the highway commissioner of such district, praying for the laying out, widening, altering or vacation of such roads.

5/6-329

Upon the vacation of any township or district road or part thereof, the highway commissioner shall cause a legal description of the road or part thereof vacated to be recorded in the office of the recorder of the county. The recorder shall mark the plat previously recorded in such manner as to show the vacation and to indicate the book and page number where the description is recorded.

County Highways 605 ILCS 5/5-109

When the County Board determines that the public and economic interest is served by vacating a county highway or part of it, it may vacate that highway or part of it by resolution adopted by the favorable vote of 2/3 of the members of the County Board, subject to the approval of the Department (of Transportation)... The resolution may provide that it is not effective until the owners of property abutting on the highway or part of it to be vacated pay compensation in an amount which, in the judgment of the County Board, is not in excess of the fair market value of a similar acreage abutting the highway.

Vacation of Utility Easement

All you need is the utility company representative's signature. No owner signature is required.

Recording Requirements for Vacations
(excluding vacation of easement)

1. Plat must measure at least 8½" x 14", but no larger than 30" x 36".
2. The plat must contain a legal description and signature certificate from the Registered Land Surveyor as preparer including an original signature and surveyor's seal.
3. Metes and bounds descriptions must contain section, township and range with an identifiable point of beginning.
4. The plat must contain a signature certificate with original signatures of the landowner or representative of the owner.
5. The name and address of the owner must be printed under the signature.
6. The signature of the owner must be acknowledged by a Notary Public and a legible seal for the notary stamped on the plat.
7. Corporate approval (when applicable) must be indicated by the signature of the mayor/president/county chair and attested to by the municipal/county clerk including date of approval.
8. Village seal must be applied/embossed.
9. The vacation plat must be approved by the Highway Commissioner (township), county engineer or superintendent of highways, and/or the District Engineer of the Illinois Department of Transportation and the public utilities involved.
10. The County Clerk must certify that there are no delinquent or current property taxes due, or outstanding special assessments. The certificate must be signed and sealed by the County Clerk or an authorized staff member.
11. The Recorder's file stamp will indicate the date and time of recording and assign a document number.
12. Mail-to name and address required.

Annexation/Disconnection Plat

Illinois Compiled Statutes Ch. 765 Act 205/1.02

When any city, village, municipal corporation or political subdivision annexes or disconnects territory, a plat of the land included in the disconnection or annexation must be filed with the recorder in the county or counties where the territory is located. Each plat shall state a legal description or descriptions sufficient to identify the boundaries of the annexed or disconnected territory, by reference to government surveys or by metes and bounds, including the section, township and range in which the territory is located. Such a plat must be prepared by a Registered Land Surveyor or a duly employed municipal engineer registered under the laws of the State of Illinois, provided such engineer has had training in the field of civil engineering.

Municipal Annexations **65 ILCS 5/7-1-40**

A certified copy of the ordinance together with an accurate map of the annexed territory must be filed with the office of the recorder of the county in which the annexed property is located and also with the office of the recorder of the county in which the annexing municipality is located. This must be done within 90 days after the final step in the annexation process is completed. The plat of annexation must be prepared by a registered land surveyor or a duly employed municipal engineer registered under the laws of Illinois, provided such engineer has had training in the field of civil engineering.

65 ILCS 5/7-1-8

A copy of the ordinance annexing the territory together with an accurate map of the annexed territory shall be recorded with the recorder and filed with the County Clerk within the county wherever the annexed territory is located.

Park District Annexations **70 ILCS 1205/3.1**

A certified copy of the annexing ordinance shall be filed in the offices of the county clerk and recorder of each county in which the annexation takes place.

Library District Annexations **75 ILCS 16/15-80**

A copy of each annexation ordinance of any library district annexing territory, together with an accurate map of the territory annexed, shall be deposited with and recorded by the recorder and filed with the county clerk of the county in which the annexed territory is situated.

Recording sequence

Annexation ordinance and annexation agreement can be recorded in any order, but if you have an annexation and a zoning ordinance – record the annexation first.

Recording Requirements for Annexations/Disconnections

1. A certified copy of the ordinance, court order or resolution of annexation or disconnection together with an accurate map of the territory annexed or disconnected must be recorded with the County Recorder and County Clerk. (Plat size must be between 8½" x 14" and 30" x 36".)
2. The certified copy must include an original signature and the village seal must be applied/embossed.
3. The map must contain a legal description and signature certificate from the Registered Land Surveyor or municipal engineer as preparer including signature and surveyor's seal.
4. Metes and bounds descriptions must contain section, township and range with an identifiable point of beginning.
5. The Recorder's file stamp will indicate the date and time of recording and assign a document number.
6. Mail-to name and address required.

Plat Certificate of Amendment / Plat Certificate of Correction

1. The certificate must contain a description of the amendment or correction, referencing the plat name, document number and recorded date prepared by the surveyor.
2. The surveyor must sign and seal the certificate.
3. **The certificate of correction need only be signed by the surveyor. A certificate of amendment must contain a signature certificate with original signatures of the landowner or a representative of the owner. It must also contain an original signature and the embossed (or otherwise applied) seal of the Village or County, whomever approved the original plat.**
4. If the property is owned under a Trust, the Trust Officer signature and seal of the bank (if available) must be included on the certificate of amendment.
5. The name and address of the owner(s) or Trust Officer are to be printed under each signature.
6. The signature of the owner(s) must be acknowledged by a Notary Public and a legible seal for the notary stamped on the plat.
7. The certificate of amendment or correction will be recorded and filed with the original plat of subdivision.
8. Mail-to name and address required.

(Rev. 9/14/98)

Samples and Exhibits

- (a) Samples of Surveyor's Certificates
- (b) Sample School District Certificate
- (c) Sample County Highway Signature Certificates
- (d) Plat Act Affidavit
- (e) Request for Consolidation or Division of Tax Parcels
- (f) Schedule of Fees

Samples of Surveyor's Certificates

(Re: Special Powers authorized by Division 12 of Article 11 of the Illinois Municipal Code and Flood Hazard Areas)

1.) **LOCATED WITHIN CORPORATE LIMITS (REQUIRES MUNICIPAL APPROVAL)**

"I further certify that the attached plat is a true and correct representation of said survey and subdivision. All distances shown in feet and decimals parts thereof, that the property hereon shown and described is within the corporate limits of the (CITY/VILLAGE) of _____ Lake County, Illinois, and that said property is designated as "Zone – C" defined as areas of minimal flooding as shown in the flood insurance rate map Community Panel No. _____, dated _____ as published by the Federal Emergency Management Agency."

2.) **LOCATED OUTSIDE CORPORATE LIMITS BUT WITHIN 1.5 MILE LIMIT OF MUNICIPALITY WHICH HAS ADOPTED A COMPREHENSIVE PLAN AND IS EXERCISING ITS POWERS (REQUIRES MUNICIPAL AND COUNTY APPROVAL)**

"I further certify that the attached plat is a true and correct representation of said survey and subdivision. All distances shown in feet and decimals parts thereof. Part of the above described tract is located within the area designated as flood hazard as shown in the flood insurance rate map Community Panel No. _____, dated _____ as published by the Federal Emergency Management Agency. Said tract is not within the corporate limits, but is within 1.5 miles of the corporate limits of the (CITY/VILLAGE) of _____ Lake County, Illinois, which has adopted and is exercising the special powers authorized by Division 12 of Article 11 of the Illinois Municipal Code."

3.) **LOCATED OUTSIDE CORPORATE LIMITS BUT WITHIN 1.5 MILE LIMIT OF MUNICIPALITY WHICH HAS ADOPTED A COMPREHENSIVE PLAN BUT IS NOT EXERCISING ITS POWERS (REQUIRES COUNTY APPROVAL)**

"I further certify that the attached plat is a true and correct representation of said survey and subdivision. All distances shown in feet and decimals parts thereof. The above described tract is not located within the area designated as flood hazard as identified by the Federal Emergency Management Agency. Said tract is within 1.5 miles of the corporate limits of the (CITY/VILLAGE) of _____ Lake County, Illinois, which has adopted the special powers authorized by Division 12 of Article 11 of the Illinois Municipal Code, but is not exercising said powers."

4.) **LOCATED OUTSIDE CORPORATE LIMITS AND OUTSIDE 1.5 MILE LIMIT OF MUNICIPALITY WHICH HAS ADOPTED A COMPREHENSIVE PLAN (REQUIRES COUNTY APPROVAL)**

"I further certify that the attached plat is a true and correct representation of said survey and subdivision. All distances shown in feet and decimals parts thereof. Part of the above described property is located within the area designated as flood hazard as shown in the flood insurance rate map Community Panel No. _____, dated _____ as published by the Federal Emergency Management Agency. Said property is not located within 1.5 miles of the corporate limits of any city or village in Lake County, Illinois, which has adopted a comprehensive plan."

Sample School District Certificate

This is to certify that I _____ as owner of the property described as the _____ Subdivision and legally described on the plat of the same name, have determined to the best of my knowledge the school district in which each of the following lots lies.

Signature of Owner

SCHOOL DISTRICTS
ELEMENTARY HIGH SCHOOL

LOT NUMBER(S)

STATE OF ILLINOIS

COUNTY OF LAKE

} SS

I, _____, a Notary Public, do hereby certify that _____
_____, owner of the property commonly known as _____

Subdivision, appeared before me this day in person and acknowledged the execution of this statement as his free and voluntary act.

Given under my hand and notarial seal this _____ day of _____, _____.

seal

Notary Public

(Rev. 5/20/98)

Sample County Highway Signature Certificates

Access prohibited

STATE OF ILLINOIS

COUNTY OF LAKE

} SS

This plat is hereby approved this _____ day of _____, _____ by
the County Engineer of Lake County pursuant to Chapter 765, Act 205, Section 2 of the Illinois Compiled
Statutes, as amended, as to roadway access to County Highway __, also known as _____
_____.

Direct access either to or from County Highway _____ is prohibited as shown on this plat.

County Engineer

Access allowed, but restricted

STATE OF ILLINOIS

COUNTY OF LAKE

} SS

This plat is hereby approved this _____ day of _____, _____ by
the County Engineer of Lake County pursuant to Chapter 765, Act 205, Section 2 of the Illinois Compiled
Statutes, as amended, as to roadway access to County Highway __, also known as _____
_____.

Direct access either to or from County Highway _____ shall be restricted as shown on this plat
and shall be subject to the Lake County Highway access regulation ordinance which requires, in part,
that application be made and an access permit be obtained from the County Engineer of Lake County
prior to any access installation.

County Engineer



Plat Act Affidavit

18 N County St – 6th Floor
Waukegan, IL 60085-4358
Phone: (847) 377-2575
FAX: (847) 984-5860

STATE OF ILLINOIS

COUNTY OF LAKE

} SS

I, (name) _____, being duly sworn on oath, state that I reside at _____, and that the attached deed is not in violation of the Plat Act, Ch. 765 ILCS 205/1.1(b), as the provisions of this Act do not apply and no plat is required due to the following allowed exception **(Circle the number applicable to the attached deed):**

1. The division or subdivision of land into parcels or tracts of 5 acres or more in size which does not involve any new streets or easements of access;
2. The division of lots or blocks of less than 1 acre in any recorded subdivision which does not involve any new streets or easements of access;
3. The sale or exchange of parcels of land between owners of adjoining and contiguous land;
4. The conveyance of parcels of land or interests therein for use as a right of way for railroads or other public utility facilities and other pipe lines which does not involve any new streets or easements of access;
5. The conveyance of land owned by a railroad or other public utility which does not involve any new streets or easements of access;
6. The conveyance of land for highway or other public purposes or grants or conveyances relating to the dedication of land for public use or instruments relating to the vacation of land impressed with a public use;
7. Conveyances made to correct descriptions in prior conveyances;
8. The sale or exchange of parcels or tracts of land following the division into no more than 2 parts of a particular parcel or tract of land existing on July 17, 1959, and not involving any new streets or easements of access;
9. The sale of a single lot of less than 5 acres from a larger tract when a survey is made by an Illinois Registered Land Surveyor; provided, that this exemption shall not apply to the sale of any subsequent lots from the same larger tract of land, as determined by the dimensions and configuration of the larger tract on October 1, 1973, and provided also that this exemption does not invalidate any local requirements applicable to the subdivision of land;
10. The conveyance of land does not involve any land division and is described in the same manner as title was taken by grantor(s).

AFFIANT further states that this affidavit is made for the purpose of inducing the RECORDER OF LAKE COUNTY, ILLINOIS to accept the attached deed for recording. (This affidavit is not applicable to Facsimile Assignment of Beneficial Interest.)

SUBSCRIBED and SWORN to before me this ____ day
of _____, _____

(Signature)

Notary: _____
(seal)



**Chief County Assessment Office
Mapping Division**
18 N County St – 7th Floor
Waukegan, IL 60085
Phone: (847) 377-2373
Email: maps@lakecountyil.gov

Request for Consolidation or Division of Tax Parcels

Date: _____

- ☐ Request for a **consolidation** of the following Permanent Index Numbers (PIN)

- ☐ Request for a **division** of property for tax purposes.

The following Permanent Index Number (PIN) involved as underlying land for this division is:

The legal description of the part being divided out is:

Note: If necessary, use the reverse side for a continuation of the legal description or attach on a separate sheet. A plat of survey with a legal is acceptable. If more than one new tax parcel is being created from the same underlying land, attach information regarding the legal description, taxpayer and property location on a separate sheet for each additional parcel.

NEW TAX PARCEL INFORMATION

TAXPAYER Name: _____

TAXPAYER Address: _____

PROPERTY LOCATION (if available)

Address: _____

SIGNATURE REQUIRED TO PROCESS REQUEST

Owner or Authorized party: _____

Address: _____

Phone: _____

Note: Consolidations or divisions will be done for the tax year following the date of the request of the date the request is received by this office. This request is subject to a check for all unpaid and delinquent taxes on any parcels that are listed (please see certificate on next page). The request will not be acted on until all unpaid taxes are paid and/or redeemed.

COUNTY CLERK'S CERTIFICATE

NOTE: An original certificate must be submitted for each property.

STATE OF ILLINOIS
COUNTY OF LAKE

} SS

The Lake County Clerk's Office hereby certifies that there are no delinquent general taxes, unpaid current general taxes, delinquent special assessments or unpaid current special assessments against any of the land included in the described property on the above Request for Consolidation or Division of Tax Parcels Form.

Given under my hand and seal of the County Clerk of Lake County, Illinois.

This _____ day of _____, _____.

Lake County Clerk or Deputy County Clerk

Important Information About Dividing Property For Tax Purposes

As a result of creating a land division for tax purposes, you MAY create parcels which MIGHT not meet requirements for the improvement of land (building permits.)

If you wish to divide a parcel in Lake County, please read the following information carefully, in order to protect yourself or your client.

A parcel owner may wish to divide the parcel into two or more new parcels, for tax purposes. This procedure is available through the Mapping Division of the Chief County Assessment Office. However, if the owner wished to sell one of the resulting parcels at some later date to another party, the parcel in question may not necessarily meet all local development permitting requirements, if the new owner intended to improve the parcel.

Therefore, simply creating a tax parcel through the Mapping Division **does not guarantee** that the parcel may be built upon or improved, due to local permitting requirements. The resulting burden on the landowner might be avoided through simple administrative review by all applicable permitting agencies or departments prior to the creation of a tax parcel.

If your property is in unincorporated Lake County, you can call the Lake County Planning, Building and Development Department at (847) 377-2600 for such a review at no charge.

Please note that the informal County administrative review suggested herein is performed as a courtesy only and is not intended and should not be interpreted to create or cause the vesting of any property rights. Nor does the suggested County review relieve a landowner from complying with all applicable local development regulations and obtaining all required permits and approvals prior to development or improvement of land.

If your property is within a city or village, you can contact the municipal department responsible for building permits to discuss their local requirements.

Schedule of Fees

RECORDING FEES

SUBDIVISION PLATS

First page	\$77.00
Additional pages	\$1.00 each

CONDOMINIUM DECLARATION / AMENDMENT / SUPPLEMENT

First page	\$39.00
Additional pages	\$1.00 each
Condominium plat exhibit – first page	\$50.00
Additional condominium plat exhibit pages	\$1.00 each

PLATS OF SURVEY (No more than 2 lots or parcels)

As a separate document	\$39.00
As exhibit	\$12.00
Additional pages	\$1.00 each

MISCELLANEOUS PLATS (Easements, Vacations, Dedication, Annexation, Plans)

As a separate document	\$39.00
As exhibit	\$12.00
Additional pages	\$1.00 each

COPIES FEES

PLATS

Paper copy (reduced, enlarged or full size)	\$5.00 per page
Digital image via email (TIF / PDF format)	\$5.00 per image (page)
Digital image on CD or via FTP (TIF / PDF format) on a daily, weekly or monthly basis	\$10.00 CD/FTP processing fee plus \$5.00 per image (page)
Certified Plat Copies (55 ILCS 5/3-5018)	\$10.00

LAKE COUNTY
DIVISION OF TRANSPORTATION
RIGHT OF WAY PLANS
FOR PROPOSED
FEDERAL AID HIGHWAY

ROUTE: OLD McHENRY ROAD (COUNTY HIGHWAY #32)
SECTION: 11-00083-09-RS
PROJECT NO.:
JOB NO.:
COUNTY: LAKE
LIMITS: ILLINOIS ROUTE 53 TO CUBA ROAD

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

I, SHANE E. SCHNEIDER, COUNTY ENGINEER OF LAKE COUNTY, ILLINOIS, DO
HEREBY APPROVE THE PLAT HEREON, PART OF COUNTY HIGHWAY 32 IN SAID
COUNTY, PREPARED BY JORGENSEN & ASSOCIATES, INC. AT MY DIRECTION.

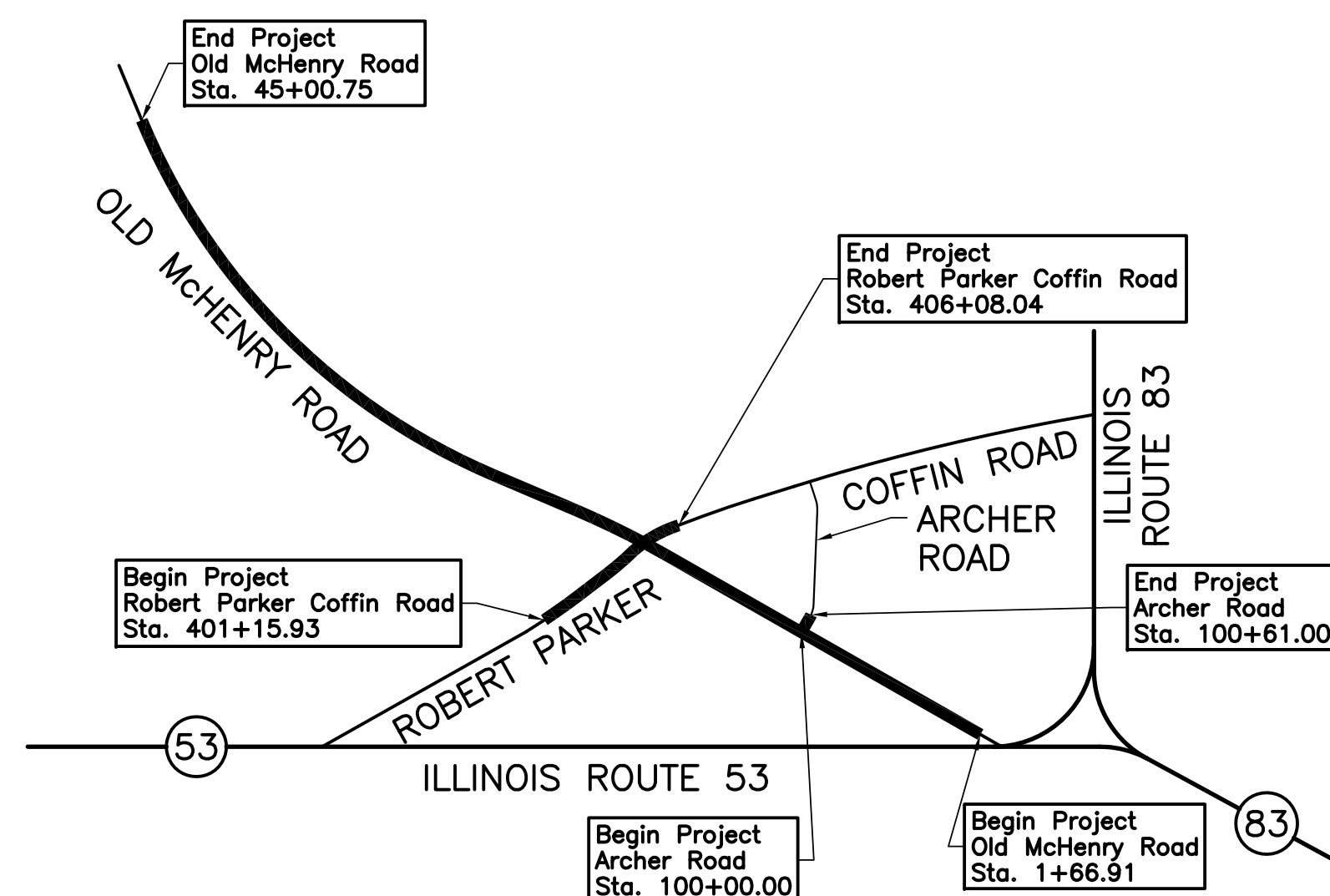
DATED THIS ____DAY OF _____20__A.D.

COUNTY ENGINEER

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
0001T.E.	Pinnacle Capital Archer, LLC, an Illinois limited liability company	2 & 10	
0002 0002T.E.	Village of Long Grove	2 & 10	
0003P.E.-A 0003P.E.-B 0003T.E.	Long Grove Investments, LLC, an Illinois limited liability company	3, 6 & 11	
0004T.E.	Lawrence Gutkin and Maggie Gutkin, husband and wife as joint tenants	2	
0005T.E.	Spirit Lake Acquisition I LLC, a Delaware limited liability company	4	
0007T.E.	Long Green, Inc., a dissolved Illinois corporation	5	
0008	Karen Gritis and Micheal DeMar, as joint tenants	6	
0009 0009T.E.	Long Green, Inc., a dissolved Illinois corporation	7	
0010T.E.	Dolores Towner, as Trustee of the Dolores Towner Revocable Living Trust dated October 9, 1997	8	
0011T.E.	The Village Tavern of Long Grove, Inc. a corporation of the State of Illinois	7	
0012T.E.	Gene Albert	9	

TOWNSHIP 43 NORTH

RANGE 10 EAST RANGE 11 EAST

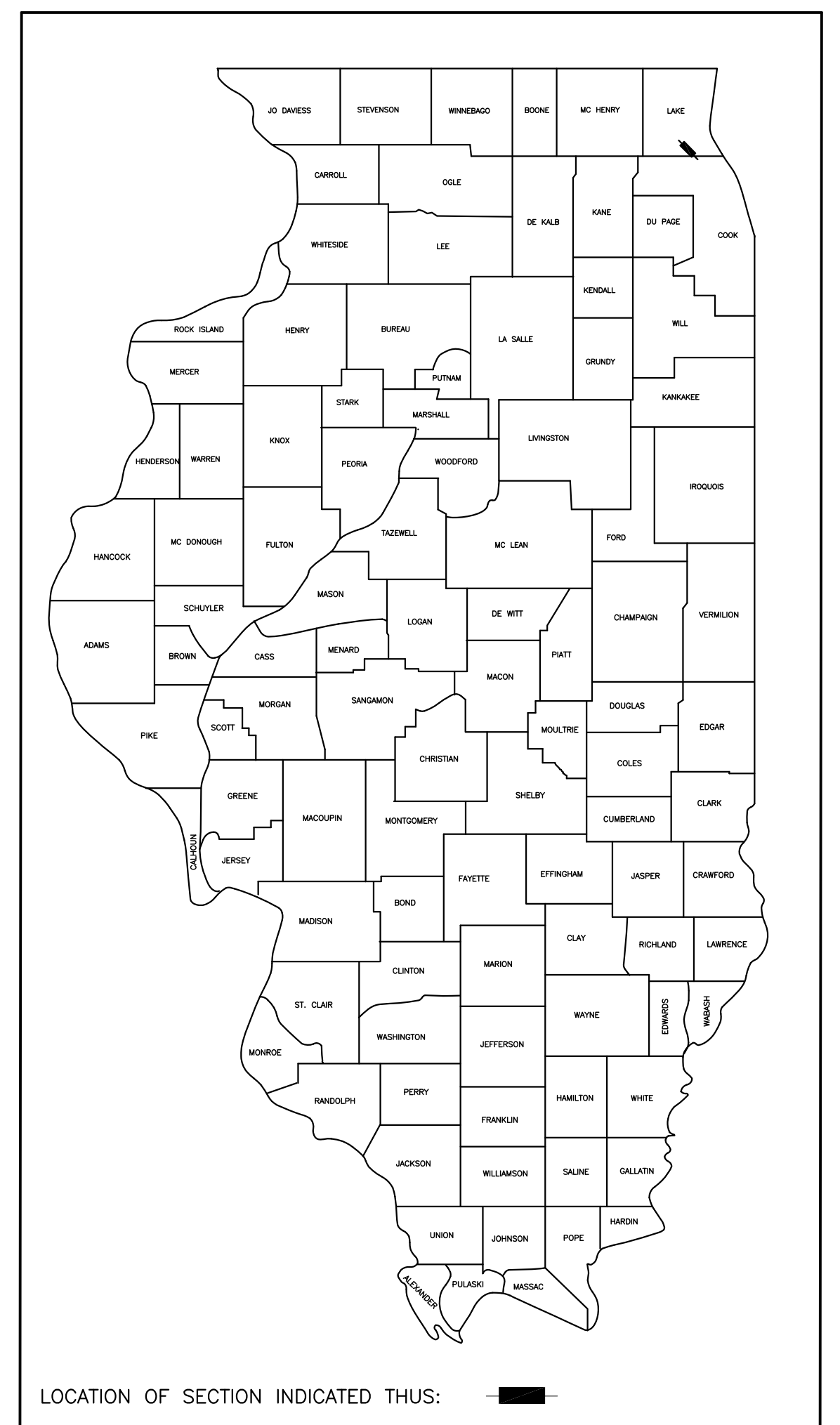


PROJECT LENGTH = 4,333.84 LIN. FT. = 0.821 MILE, OLD McHENRY ROAD
= 61.00 LIN. FT. = 0.011 MILE, ARCHER ROAD
= 492.11 LIN. FT. = 0.093 MILE, ROBERT PARKER COFFIN ROAD
TOTAL LENGTH = 4,886.95 LIN. FT. = 0.925 MILE

* OLD McHENRY ROAD (COUNTY HIGHWAY #32)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	LAKE	13	1
F.H.W.A. REG.	ILLINOIS	PROJECT		

** 11-00083-09-RS



APPROVED _____ 20 _____
LOCAL AGENCY OFFICIAL

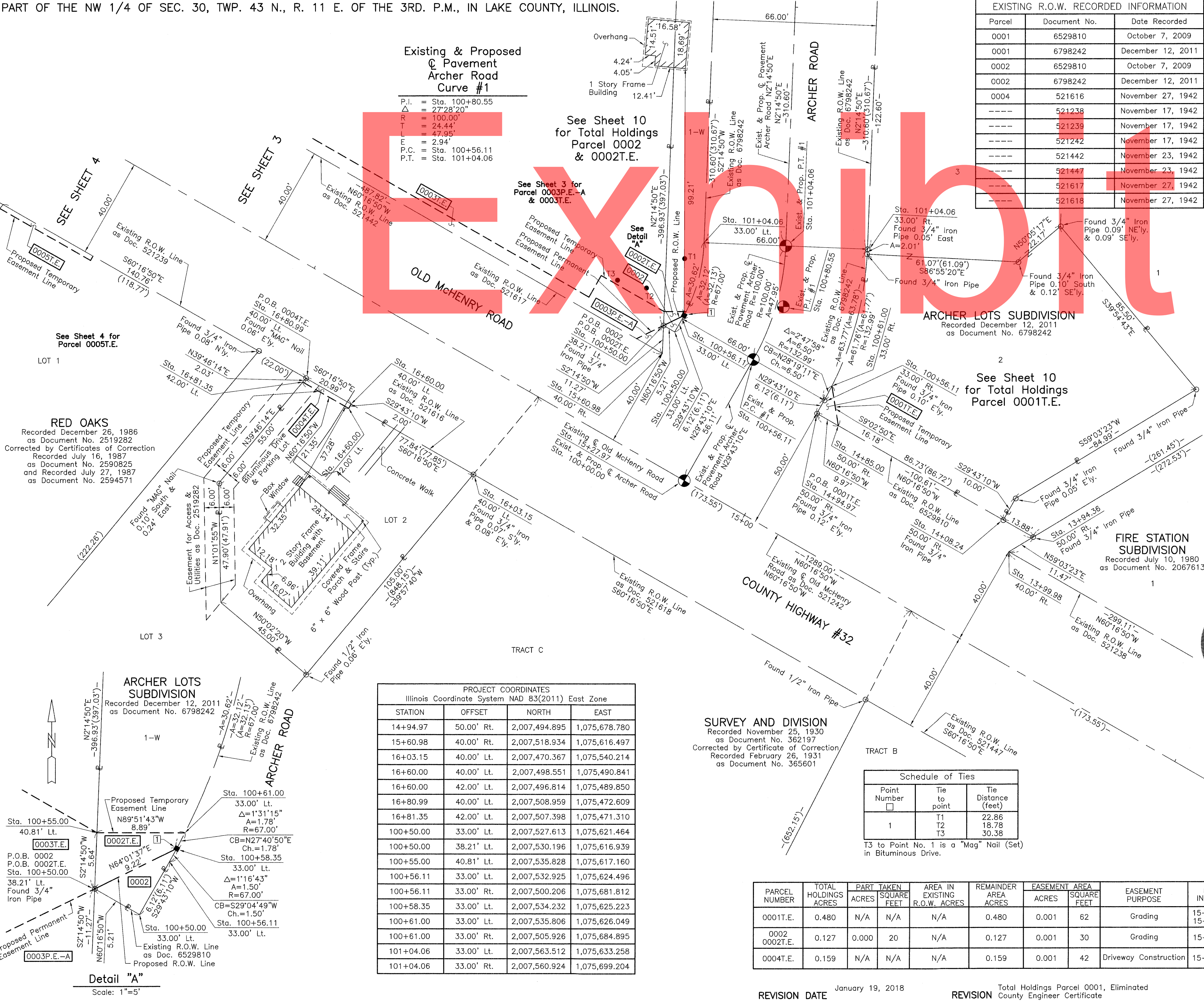
APPROVED _____ 20 _____
ENGINEER OF LAND ACQUISITION

APPROVED _____ 20 _____
ENGINEER OF LOCAL ROADS & STREETS

APPROVED _____ 20 _____
DISTRICT ENGINEER

LAKE COUNTY
DIVISION OF TRANSPORTATION

PART OF THE NW 1/4 OF SEC. 30, TWP. 43 N., R. 11 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.



LEGEND

SECTION CORNER
QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL
APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET
T1
T2
T3
BT1
BT2
BT3
STAKING OF PROPOSED RIGHT OF WAY
STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS
PERMANENT SURVEY MARKER (TO BE SET BY OTHERS)
RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS } SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 30, TOWNSHIP 43N., RANGE 11E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 25th DAY OF January 2018 A.D.

CHRISTIAN H. JORGENSEN
PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions are measured unless otherwise specified.
Areas shown on this plat are ground.
All measured and computed distances are grid not ground.
To obtain ground distances, divide grid distances shown by the combined factor of 0.9999548166.

PROJECT COORDINATES
Illinois Coordinate System NAD 83(2011) East Zone

STATION	OFFSET	NORTH	EAST
13+94.36	50.00' Rt.	2,007,445.018	1,075,766.153
13+99.98	40.00' Rt.	2,007,439.120	1,075,756.315
14+08.24	50.00' Rt.	2,007,451.900	1,075,754.098
14+85.00	50.00' Rt.	2,007,489.952	1,075,687.438

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS
LAKE COUNTY
DIVISION OF TRANSPORTATION
OLD McHENRY ROAD (COUNTY HIGHWAY #32)

LIMITS: ILLINOIS ROUTE 53 TO CUBA ROAD LAKE COUNTY
SECTION: 11-00083-09-RS JOB NO.
STATION 13+00 TO STATION 18+00
STATION 100+00.00 TO STATION 102+00
SCALE: 1"=20' SHEET 2 OF 13

LAKE COUNTY DIVISION OF TRANSPORTATION
600 WEST WINCHESTER ROAD
LIBERTYVILLE, ILLINOIS 60048

PART OF THE NW 1/4 OF SEC. 30, TWP. 43 N., R. 11 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
0003P.E.-A 0003P.E.-B 0003T.E.	3.020	N/A	N/A	3.020	P.E.-A=0.001 P.E.-B=0.002 T.E.=0.047	60 101 N/A	Highway Purposes Highway Purposes Construction Purposes	15-30-100-015 15-30-100-018 15-30-100-019 15-30-104-001 15-30-104-002

LEGEND

SECTION CORNER 16 15

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL

APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

0 20' 40'

SCALE: 1"=20'

IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET
T1
T2
T3
BT1
BT2
BT3
STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
PERMANENT SURVEY MARKER (TO BE SET BY OTHERS)
RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS } SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 30, TOWNSHIP 43N., RANGE 11E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 25TH DAY OF January 2017 A.D.

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions are measured unless otherwise specified.
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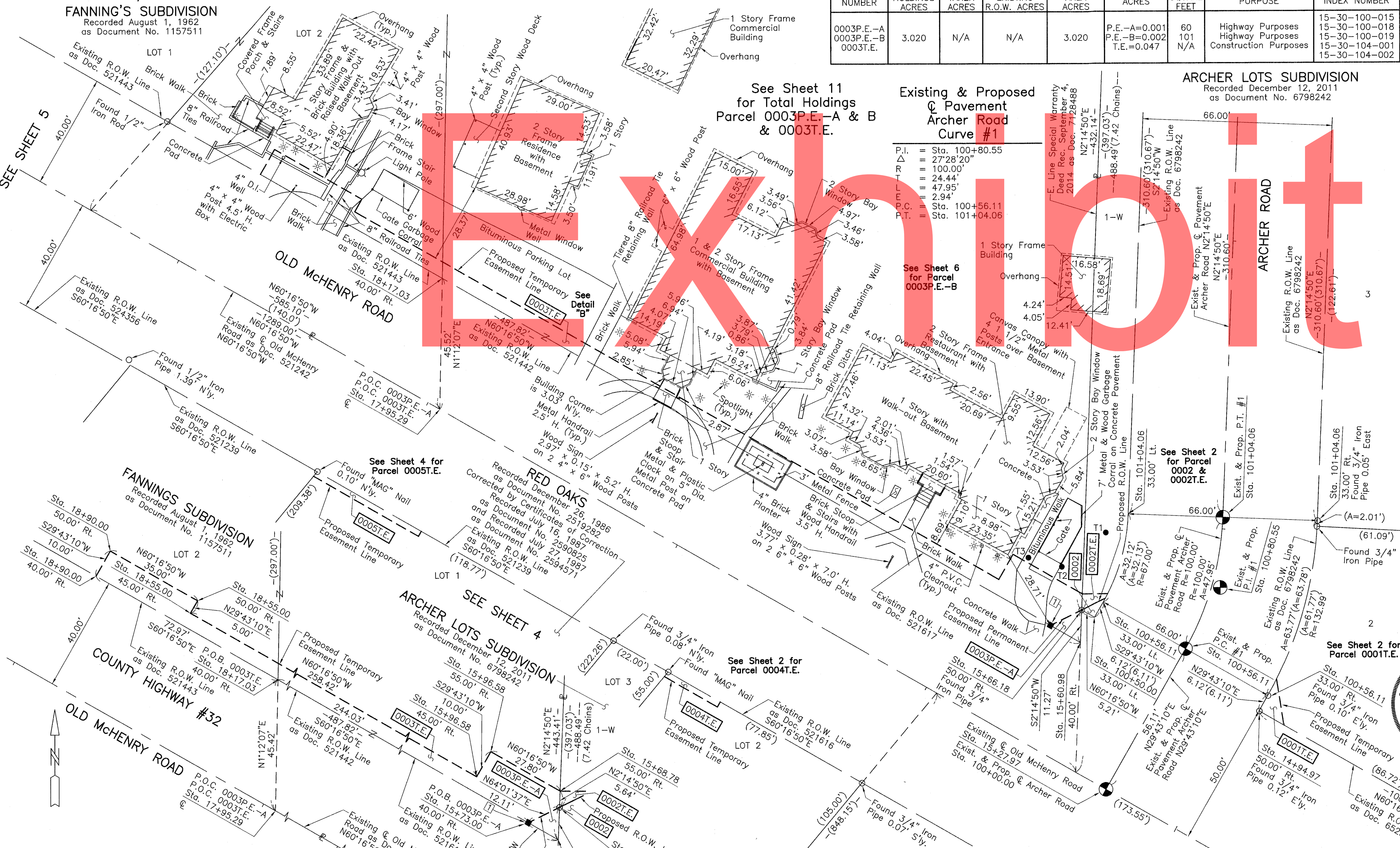
PROJECT COORDINATES
Illinois Coordinate System NAD 83(2011) East Zone

STATION	OFFSET	NORTH	EAST
14+94.97	50.00' Rt.	2,007,494.895	1,075,678.780
15+40.18	Q	2,007,473.887	1,075,614.729
15+60.98	40.00' Rt.	2,007,518.934	1,075,616.497
15+66.18	50.00' Rt.	2,007,530.196	1,075,616.939
15+68.78	55.00' Rt.	2,007,535.828	1,075,617.160

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

**PLAT OF HIGHWAYS
LAKE COUNTY
DIVISION OF TRANSPORTATION**
OLD McHENRY ROAD (COUNTY HIGHWAY #32)
LIMITS: ILLINOIS ROUTE 53 TO CUBA ROAD LAKE COUNTY
SECTION: 11-00083-09-RS JOB NO.
STATION 14+00 TO STATION 20+00
STATION 100+00.00 TO STATION 102+00
SCALE: 1"=20' SHEET 3 OF 13

LAKE COUNTY DIVISION OF TRANSPORTATION
600 WEST WINCHESTER ROAD
LIBERTYVILLE, ILLINOIS 60048



PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
15+73.00	40.00' Rt.	2,007,524.894	1,075,606.056
15+96.58	45.00' Rt.	2,007,540.926	1,075,588.057
15+96.58	55.00' Rt.	2,007,549.611	1,075,593.014
17+95.29	Q	2,007,600.360	1,075,393.174
18+17.03	40.00' Rt.	2,007,645.871	1,075,394.129
18+55.00	45.00' Rt.	2,007,669.040	1,075,363.629
18+55.00	50.00' Rt.	2,007,673.382	1,075,366.108
18+90.00	40.00' Rt.	2,007,682.049	1,075,330.754
18+90.00	50.00' Rt.	2,007,690.733	1,075,335.711
100+50.00	33.00' Lt.	2,007,527.613	1,075,621.464
100+56.11	33.00' Lt.	2,007,532.925	1,075,624.496
100+56.11	33.00' Rt.	2,007,500.206	1,075,681.812
101+04.06	33.00' Lt.	2,007,563.512	1,075,633.258
101+04.06	33.00' Rt.	2,007,560.924	1,075,699.204

Detail "B"
Scale: 1"=20'

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
0003	521242	November 17, 1942
0003	521442	November 23, 1942
0003	521443	November 23, 1942
0003	521617	November 27, 1942
-----	521239	November 17, 1942
-----	521242	November 17, 1942
-----	521447	November 23, 1942
-----	521616	November 27, 1942
-----	521618	November 27, 1942
-----	524356	February 18, 1943
-----	6529810	October 7, 2009
-----	6798242	December 12, 2011

Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1	37.56
	T2	20.76
	T3	24.77

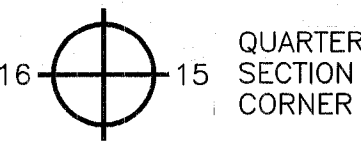
T3 to Point No. 1 is a "Mag" Nail (Set) in Bituminous Drive.

SURVEY AND DIVISION
Recorded November 25, 1930
as Document No. 362197
Corrected by Certificate of Correction
Recorded February 26, 1931
as Document No. 365601

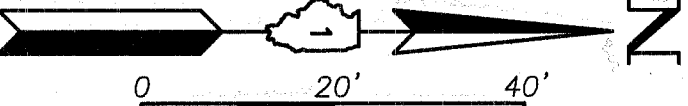
REVISION DATE January 18, 2018
REVISION Changed Parcels 0003-A & 0003-B to 0003P.E.-A & 0003P.E.-B, Eliminated County Engineer Certificate
MADE BY

PART OF THE NW 1/4 OF SEC. 30, TWP. 43 N., R. 11 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND



- SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
- APL
APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION
- AC
120.32
129.32 (Comp.)
(129.32)
- EXISTING BUILDING



Scale: 1"=20'
Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
T2
T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
BT2
BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 30, TOWNSHIP 43N., RANGE 11E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 16th DAY OF August, 2016 A.D.



Christian H. Jorgensen, PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions are measured unless otherwise specified.
Areas shown on this plat are ground.
All measured and computed distances are grid not ground.
To obtain ground distances, divide grid distances shown by the combined factor of 0.9999548166.

PROJECT COORDINATES			
Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
16+80.99	40.00' Lt.	2,007,508.959	1,075,472.609
17+80.00	40.00' Lt.	2,007,558.042	1,075,386.626
17+80.00	42.00' Lt.	2,007,556.305	1,075,385.634
18+21.75	40.00' Lt.	2,007,578.741	1,075,350.365

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS
LAKE COUNTY
DIVISION OF TRANSPORTATION
OLD McHENRY ROAD (COUNTY HIGHWAY #32)
LIMITS: ILLINOIS ROUTE 53 TO CUBA ROAD LAKE COUNTY
SECTION: 11-00083-09-RS JOB NO.
STATION 16+00 TO STATION 19+00
SCALE: 1"=20' SHEET 4 OF 13

LAKE COUNTY DIVISION OF TRANSPORTATION
600 WEST WINCHESTER ROAD
LIBERTYVILLE, ILLINOIS 60048

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
0005	521239	November 17, 1942
----	521239	November 17, 1942
----	521242	November 17, 1942
----	521442	November 23, 1942
----	521616	November 27, 1942
----	524356	February 18, 1943

SURVEY AND DIVISION
Recorded November 25, 1930
as Document No. 362197
Corrected by Certificate of Correction
Recorded February 26, 1931
as Document No. 365601

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		EASEMENT PURPOSE	PERMANENT INDEX NUMBER
					ACRES	SQUARE FEET		
0005T.E.	1.469	N/A	N/A	1.469	0.002	84	Driveway Construction	15-30-106-015 15-30-106-016 15-30-106-017

SEE SHEET 2

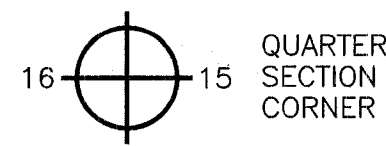
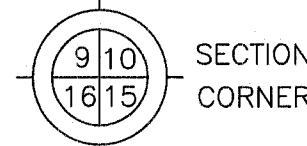
REVISION DATE January 19, 2018

REVISION Eliminated County Engineer Certificate

MADE BY

PART OF THE NW 1/4 OF SEC. 30, TWP. 43 N., R. 11 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND



- SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
- APL
APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION



EXISTING BUILDING

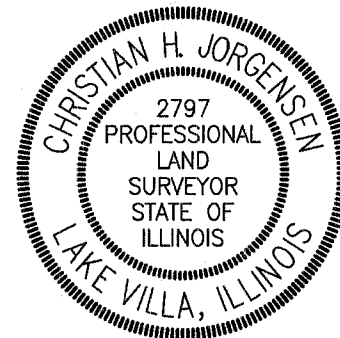
Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● T2
● T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● BT2
● BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 30, TOWNSHIP 43N., RANGE 11E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 16th DAY OF August 2016 A.D.



THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. All dimensions are measured unless otherwise specified. Areas shown on this plat are ground. All measured and computed distances are grid not ground. To obtain ground distances divide grid distances shown by the combined factor of 0.9999548166.

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
19+95.35	℄	2,007,699.540	1,075,219.431
20+02.88	40.00' Lt.	2,007,668.536	1,075,193.063
20+03.82	45.00' Lt.	2,007,664.660	1,075,189.766

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS
LAKE COUNTY
DIVISION OF TRANSPORTATION

OLD McHENRY ROAD (COUNTY HIGHWAY #32)
LIMITS: ILLINOIS ROUTE 53 TO CUBA ROAD LAKE COUNTY
SECTION: 11-00083-09-RS JOB NO.
STATION 18+00 TO STATION 23+00
STATION 403+30.11 TO STATION 405+65.16
SCALE: 1"=20' SHEET 5 OF 13

LAKE COUNTY DIVISION OF TRANSPORTATION
600 WEST WINCHESTER ROAD
LIBERTYVILLE, ILLINOIS 60048

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
0006	521242	November 17, 1942
0006	524356	February 18, 1943
0007	250627	December 29, 1924
0007	521444	November 23, 1942
-----	521239	November 17, 1942
-----	521242	November 17, 1942
-----	521443	November 23, 1942
-----	521446	November 23, 1942
-----	602679	October 14, 1946
-----	991876	June 3, 1958

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
20+22.00	42.00' Lt.	2,007,676.278	1,075,175.467
20+22.00	45.00' Lt.	2,007,673.672	1,075,173.979
20+42.00	40.00' Lt.	2,007,687.930	1,075,159.089
20+42.00	42.00' Lt.	2,007,686.193	1,075,158.097
20+48.80	40.00' Rt.	2,007,760.775	1,075,192.842
20+71.52	40.00' Rt.	2,007,772.118	1,075,172.787
21+07.68	39.40' Lt.	2,007,720.085	1,075,102.759
21+25.26	1.02' Rt.	2,007,763.952	1,075,106.595
21+35.82	40.00' Rt.	2,007,803.346	1,075,115.563
21+82.26	40.00' Lt.	2,007,753.858	1,075,037.414
403+49.23	27.50' Rt.	2,007,651.771	1,075,010.321
403+50.39	5.49' Lt.	2,007,678.282	1,074,990.671

Existing @
Old McHenry Road
Curve #1

P.I. = Sta. 22+15.27
Δ = 6°39'04"
R = 2864.77'
T = 186.47'
L = 332.56'
E = 4.83'
P.C. = Sta. 20+48.80
P.T. = Sta. 23+81.36

Proposed @
Pavement Robert
Parker Coffin Road
Curve #2

P.I. = Sta. 403+89.19
Δ = 7°04'47"
R = 954.93'
T = 59.07'
L = 118.00'
E = 1.83'
P.C. = Sta. 403+30.11
P.R.C. = Sta. 404+48.11

Proposed @
Pavement Robert
Parker Coffin Road
Curve #3

P.I. = Sta. 405+07.39
Δ = 22°21'17"
R = 300.00'
T = 59.28'
L = 117.05'
E = 5.80'
P.R.C. = Sta. 404+48.11
P.C.C. = Sta. 405+65.16

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
0007T.E.	0.568	N/A	N/A	0.568	0.003	133	Driveway Construction	15-30-105-008

January 19, 2018
REVISION DATE December 12, 2016

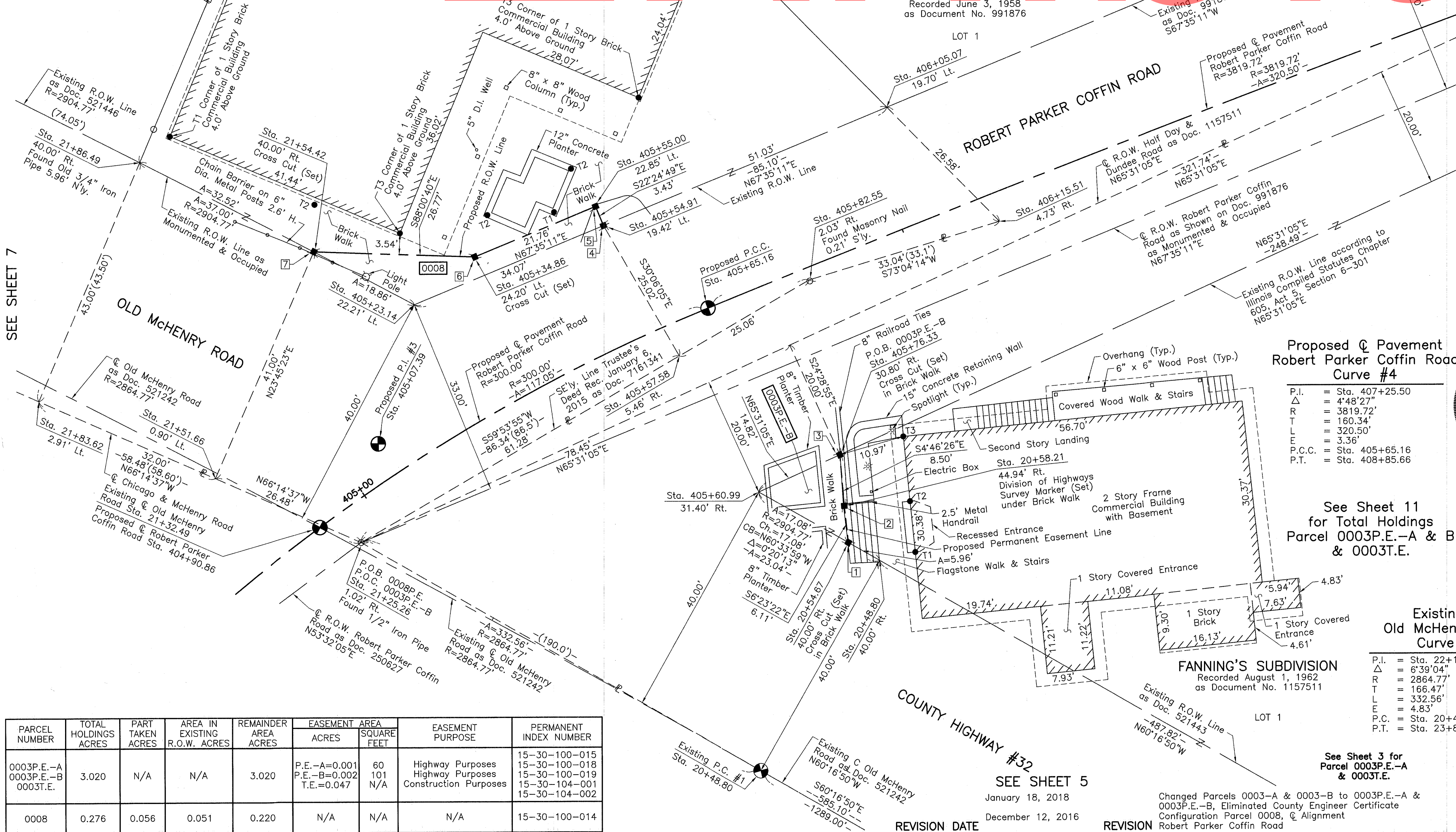
REVISION
Eliminated Parcels 0006T.E.-A & B and
County Engineer Certificate
Configuration Parcel 0006T.E.-A, @ Alignment
Robert Parker Coffin Road

MADE BY

PART OF THE NW 1/4 OF SEC. 30, TWP. 43 N., R. 11 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1	11.22
	T2	12.15
	T3	19.78
2	T1	14.05
	T2	10.93
	T3	15.11
3	T1	20.40
	T2	14.13
	T3	10.97
4	T1	8.51
	T2	10.83
	T3	21.99
5	T1	6.96
	T2	7.44
	T3	19.42
6	T1	15.13
	T2	7.25
	T3	13.12
7	T1	30.56
	T2	7.81
	T3	14.64

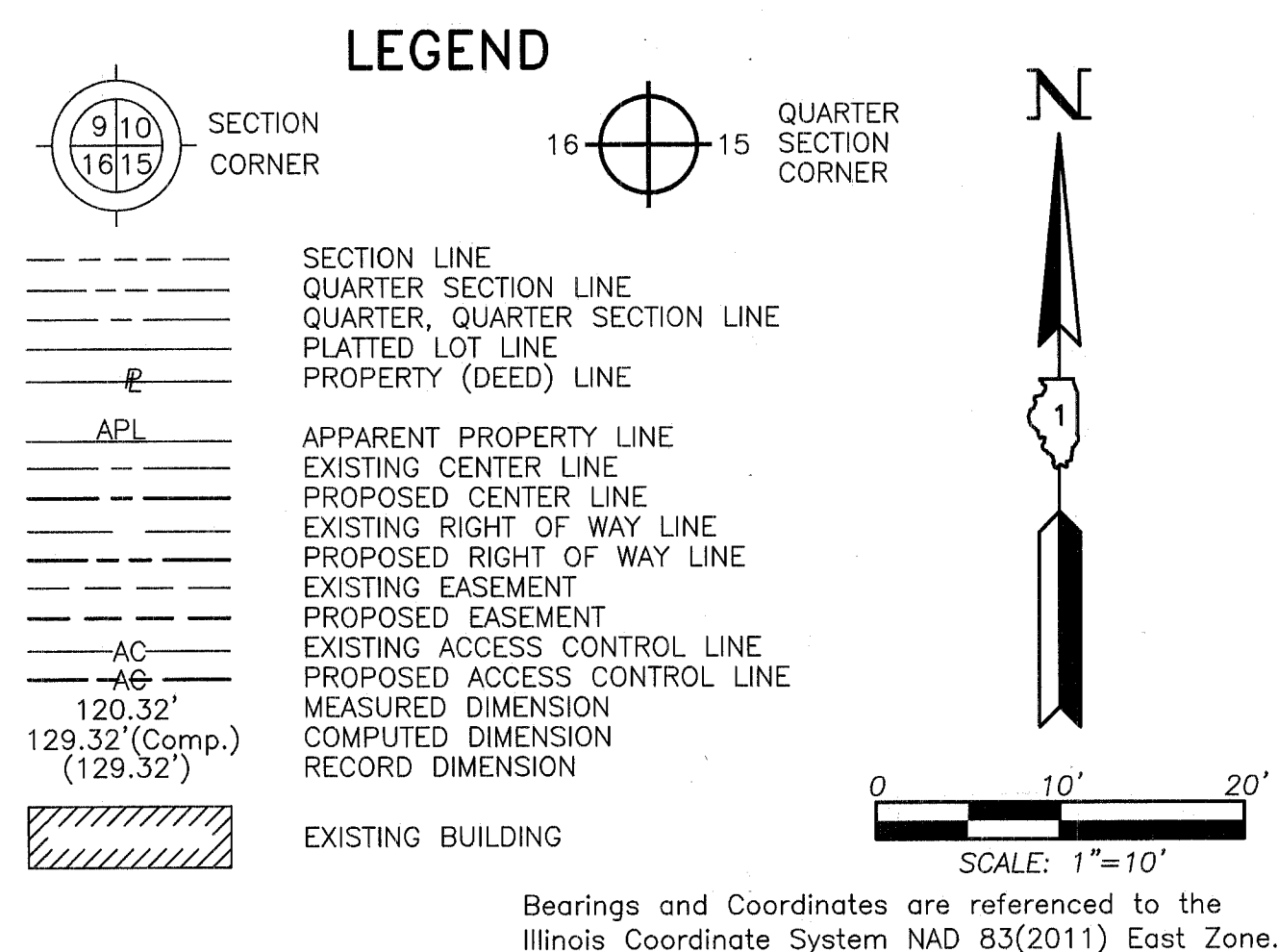
T1, T2 & T3 to Point Nos. 1, 2 & 3 are Corners of 2 Story Frame Commercial Building with Basement 4.0' Above Ground.
T1 & T2 to Point Nos. 4, 5 & 6 are Cross Cuts (Set) in Concrete Planter.
T2 to Point No. 7 is a Cross Cut (Set) in Brick Walk.



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
0003P.E.-A 0003P.E.-B 0003T.E.	3.020	N/A	N/A	3.020	P.E.-A=0.001 P.E.-B=0.002 T.E.=0.047	60 101 N/A	Highway Purposes Highway Purposes Construction Purposes	15-30-100-015 15-30-100-018 15-30-100-019 15-30-104-001 15-30-104-002
0008	0.276	0.056	0.051	0.220	N/A	N/A	N/A	15-30-100-014

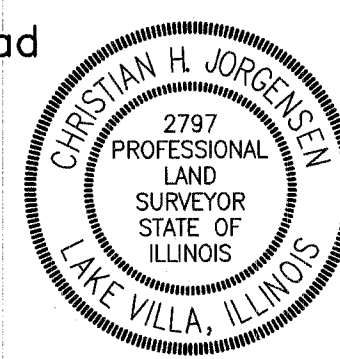
PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
21+25.26	1.02' Rt.	2,007,763.952	1,075,106.595
21+51.66	0.90' Lt.	2,007,774.617	1,075,082.364
21+54.42	40.00' Rt.	2,007,812.140	1,075,098.879
21+83.62	2.91' Lt.	2,007,787.508	1,075,053.075
21+86.49	40.00' Rt.	2,007,827.048	1,075,069.978
405+23.14	22.21' Lt.	2,007,803.346	1,075,115.563
405+34.86	24.20' Lt.	2,007,811.211	1,075,125.636
405+54.91	19.42' Lt.	2,007,816.338	1,075,147.063
405+55.00	22.85' Lt.	2,007,819.509	1,075,145.755
405+57.58	5.46' Rt.	2,007,794.688	1,075,159.614
405+60.99	31.40' Rt.	2,007,772.118	1,075,172.787
405+76.33	30.80' Rt.	2,007,778.261	1,075,186.279
405+82.55	2.03' Rt.	2,007,807.254	1,075,181.292
406+05.07	19.70' Lt.	2,007,835.794	1,075,194.236
406+15.51	4.73' Rt.	2,007,816.876	1,075,212.902

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
0003	521242	November 17, 1942
0003	521443	November 23, 1942
0003	1157511	August 1, 1962
-----	250627	December 29, 1924
-----	521242	November 17, 1942
-----	521446	November 23, 1942
-----	991876	June 3, 1958
-----	1157511	August 1, 1962



- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1
- T2
- T3
- BT1
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 30, TOWNSHIP 43N., RANGE 11E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS. DATED AT LAKE VILLA, ILLINOIS THIS 27th DAY OF January 2018 A.D.



CHRISTIAN H. JORGENSEN
PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
All dimensions are measured unless otherwise specified.
Areas shown on this plat are ground.
All measured and computed distances are grid not ground.
To obtain ground distances, divide grid distances shown by the combined factor of 0.9999548166.

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
20+48.80	40.00' Rt.	2,007,760.775	1,075,192.842
20+54.67	40.00' Rt.	2,007,763.722	1,075,187.666
20+58.21	44.94' Rt.	2,007,769.790	1,075,186.987

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

**PLAT OF HIGHWAYS
LAKE COUNTY
DIVISION OF TRANSPORTATION**
OLD McHENRY ROAD (COUNTY HIGHWAY #32)
LIMITS: ILLINOIS ROUTE 53 TO CUBA ROAD LAKE COUNTY
SECTION: 11-00083-09-RS JOB NO.
STATION 20+00 TO STATION 22+00
STATION 40+00 TO STATION 407+00
SCALE: 1"=10' SHEET 6 OF 13

LAKE COUNTY DIVISION OF TRANSPORTATION
600 WEST WINCHESTER ROAD
LIBERTYVILLE, ILLINOIS 60048

REVISION DATE
December 12, 2016

REVISION
Changed Parcels 0003-A & 0003-B to 0003P.E.-A & 0003P.E.-B, Eliminated County Engineer Certificate Configuration Parcel 0008, Q Alignment Robert Parker Coffin Road

MADE BY


PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
0009 0009T.E.	0.508	0.073	0.071	0.435	0.012	N/A	Construction Purposes	15-30-100-013
0011T.E.	0.590	N/A	N/A	0.590	0.002	66	Driveway Construction	15-30-100-012

Schedule of Ties		
Point Number □	Tie to point	Tie Distance (feet)
1	T1	18.53
	T2	17.34
	T3	24.97
2	T1	29.84
	T2	17.96
	T3	22.06


T1 & T3 to Point Nos. 1 & 2 are
Cross Cuts (Set) in Concrete Walk.
T2 to Point Nos. 1 & 2 is the
Corner of 1 Story Frame Commercial
Building 4.0' Above Ground.

WILLIAM
UMB DENSTOCK
SUBDIVISION
FIRST ADDITION
Recorded March 25, 1965
as Document No. 1257888

PROJECT COORDINATES			
Illinois	Coordinate	System	NAD 83(2011) East Zone
STATION	OFFSET	NORTH	EAST
21+94.00	40.00' Lt.	2,007,759.099	1,075,027.098
21+95.95	3.58' Lt.	2,007,792.476	1,075,041.789
21+97.89	45.00' Lt.	2,007,756.363	1,075,021.421
22+65.00	42.00' Lt.	2,007,788.097	1,074,963.375
22+65.00	45.00' Lt.	2,007,785.387	1,074,962.089
22+93.60	7.06' Lt.	2,007,831.765	1,074,952.522
23+11.82	40.00' Lt.	2,007,809.359	1,074,922.372
23+12.94	42.00' Lt.	2,007,807.996	1,074,920.538
23+81.36	40.00' Lt.	2,007,836.992	1,074,859.614
23+81.36	40.00' Rt.	2,007,910.591	1,074,890.958
24+30.02	40.00' Lt.	2,007,856.056	1,074,814.848
24+30.03	42.00' Lt.	2,007,854.221	1,074,814.053
24+62.15	6.38' Lt.	2,007,899.578	1,074,798.456
24+63.15	40.00' Lt.	2,007,869.039	1,074,784.363
24+63.21	42.00' Lt.	2,007,867.222	1,074,783.525
403+06.56	39.40' Lt.	2,007,678.522	1,074,935.475
403+10.29	6.34' Lt.	2,007,654.518	1,074,958.517
404+12.08	34.35' Lt.	2,007,739.432	1,075,017.894
404+16.19	0.75' Lt.	2,007,717.355	1,075,043.543
404+19.82	33.56' Lt.	2,007,743.893	1,075,023.933
404+37.06	31.56' Lt.	2,007,753.858	1,075,037.414



SECTION
CORNER



QUARTER
SECTION
CORNER

_____ SECTION LINE
 _____ QUARTER SECTION LINE
 _____ QUARTER, QUARTER SECTION LINE
 _____ PLATTED LOT LINE
 _____ P PROPERTY (DEED) LINE

— APL —	APPARENT PROPERTY LINE
— — —	EXISTING CENTER LINE
— — —	PROPOSED CENTER LINE
— — —	EXISTING RIGHT OF WAY LINE
— — —	PROPOSED RIGHT OF WAY LINE
— — —	EXISTING EASEMENT
— — —	PROPOSED EASEMENT
— AC —	EXISTING ACCESS CONTROL LINE
— AC —	PROPOSED ACCESS CONTROL LINE
120.32'	MEASURED DIMENSION
129.32'(Comp.)	COMPUTED DIMENSION
(129.32')	RECORD DIMENSION

EXISTING BUILDING

SCALE: 1"=20'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

○	IRON PIPE OR ROD FOUND	⊕	"MAG" NAIL SET
+	CUT CROSS FOUND OR SET	●	5/8" REBAR SET

● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONU-
BT2 MENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE
BT3 FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SUR-
VEYORS REGISTRATION NUMBER.

■ **STAKING OF PROPOSED RIGHT OF WAY.** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M **STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

 PERMANENT SURVEY MARKER (TO BE SET BY OTHERS)

☐ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
COUNTY OF LAKE)SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 30, TOWNSHIP 43N., RANGE 11E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON, THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED AND MADE FOR THE LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 27th DAY OF January 2017 A.D.

Christin H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT
ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions are measured unless otherwise specified.
Areas shown on this plat are ground.

All measured and computed distances are grid not ground. To obtain ground distances, divide grid distances shown by the combined factor of 0.9999548166.

PROJECT COORDINATES			
Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
21+07.68	39.40' Lt.	2,007,720.085	1,075,102.759
21+25.26	1.02' Rt.	2,007,763.952	1,075,106.595
21+35.82	40.00' Rt.	2,007,803.346	1,075,115.563

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS LAKE COUNTY DIVISION OF TRANSPORTATION

LIMITS: ILLINOIS ROUTE 53 TO CUBA ROAD LAKE COUNTY

SECTION: 11-00083-09-RS JOB NO.

SECTION: 11 50000 00 RS 00B NO.
STATION 21+00 TO STATION 26+00

TO STATION 405+00

SCALE: 1"=20' SHEET 7 OF

LAKE COUNTY DIVISION OF TRANSPORTATION
600 WEST WINCHESTER ROAD
LIBERTYVILLE, ILLINOIS 60048

Existing \angle
Old McHenry Road
Curve #1

P.I.	=	Sta. 22+15.27
Δ	=	6°39'04"
R	=	2864.77'
T	=	166.47'
L	=	332.56'
E	=	4.83'
P.C.	=	Sta. 20+48.80
P.T.	=	Sta. 23+81.36

Proposed C Pavement
Robert Parker Coffin Road
Curve #2

P.I.	=	Sta. 403+89.19
Δ	=	7°04'47"
R	=	954.93'
T	=	59.07'
L	=	118.00'
E	=	1.83'
P.C.	=	Sta. 403+30.11
P.R.C.	=	Sta. 404+48.11

Proposed $\frac{1}{4}$ Pavement
Robert Parker Coffin Road
Curve #3

P.I.	=	Sta. 405+07.39
Δ	=	22°21'17"
R	=	300.00'
T	=	59.28'
L	=	117.05'
E	=	5.80'
P.R.C.	=	Sta. 404+48.11
P.C.C.	=	Sta. 405+65.16

REVISION	DATE	DESCRIPTION
1	January 19, 2018	Eliminated County Engineer Certificate
2	December 12, 2016	© Alignment Robert Parker Coffin Road

MADE BY

SEE SHEET 9



See Sheet 9
for Parcel 0012T.E.

Recorded August 30, 1977
as Document No. 1861302
Corrected by Letter of Amendment
Recorded October 27, 1977
as Document No. 1876064

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
0010	521446	November 23, 1942
----	521242	November 17, 1942
----	521445	November 23, 1942
----	521446	November 23, 1942
----	602679	October 14, 1946

P.I. = Sta. 22+15.27
 Δ = 6°39'04"
R = 2864.77'
T = 166.47'
L = 332.56'
E = 4.83'
P.C. = Sta. 20+48.80
P.T. = Sta. 23+81.36


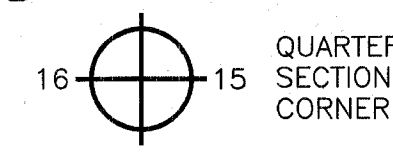
PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
0010T.E.	1.040	N/A	N/A	1.040	0.015	Grading	15-30-102-021

REVISION DATE January 22, 2018

REVISION Eliminated County Engineer Certificate

MADE BY

SECTION
CORNER



EXISTING BUILDING

SCALE: 1"=20'

Bearings and Coordinates are referenced to the
Illinois Coordinate System NAD 83(2011) East Zone.

○	IRON PIPE OR ROD FOUND	⊕	"MAG" NAIL SET
+	CUT CROSS FOUND OR SET	●	5/8" REBAR SET
●	T1 T2 T3	THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.	
●	BT1 BT2 BT3	THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.	
■		STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.	
■ M		STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.	
⊕	PERMANENT SURVEY MARKER (TO BE SET BY OTHERS)		
□	RIGHT OF WAY STAKING PROPOSED TO BE SET.		

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 30, TOWNSHIP 43N., RANGE 11E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS NEEDED AND USED ARE SHOWN AND ACCURATELY LOCATED, AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 16th DAY OF August 2016 A.D.

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

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To obtain ground distances, divide grid distances shown by
the combined factor of 0.9999548166.

PROJECT COORDINATES			
Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
22+59.26	40.00' Rt.	2,007,859.667	1,075,003.793
23+35.00	40.00' Rt.	2,007,891.823	1,074,934.058
23+35.00	45.00' Rt.	2,007,896.391	1,074,936.090
23+81.36	40.00' Lt.	2,007,836.992	1,074,859.614

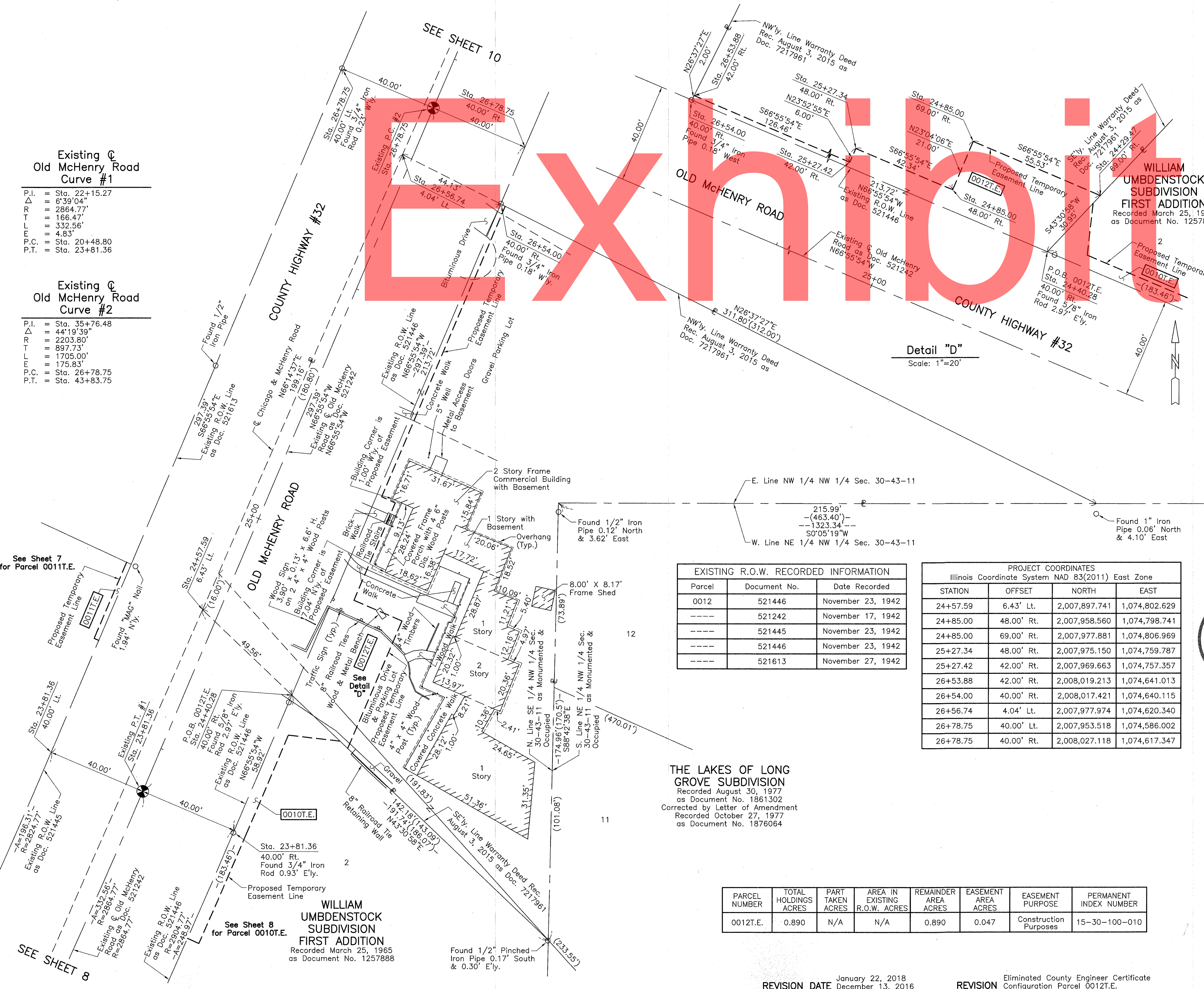
JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS
LAKE COUNTY
DIVISION OF TRANSPORTATION
OLD McHENRY ROAD (COUNTY HIGHWAY #32)

LIMITS: ILLINOIS ROUTE 53 TO CUBA ROAD LAKE COUNTY
SECTION: 11-00083-09-RS JOB NO.
STATION 22+00 TO STATION 25+00
SCALE: 1"=20' SHEET 8 OF 13

LAKE COUNTY DIVISION OF TRANSPORTATION
600 WEST WINCHESTER ROAD
LIBERTYVILLE, ILLINOIS 60048

PART OF THE NW 1/4 OF SEC. 30, TWP. 43 N., R. 11 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.



Existing @
Old McHenry Road
Curve #1

P.I.	=	Sta. 22+15.27
Δ	=	6°39'04"
R.T.L.	=	2864.77'
L	=	166.47'
E.L.	=	332.56'
P.C.	=	Sta. 20+48.80
P.T.	=	Sta. 23+81.36

Existing @
Old McHenry Road
Curve #2

P.I.	=	Sta. 35+76.48
Δ	=	44°19'39"
R.T.L.	=	2203.80'
L	=	897.73'
E.L.	=	1705.00'
P.C.	=	Sta. 26+78.75
P.T.	=	Sta. 43+83.75

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
0012	521446	November 23, 1942
----	521242	November 17, 1942
----	521445	November 23, 1942
----	521446	November 23, 1942
----	521613	November 27, 1942

PROJECT COORDINATES
Illinois Coordinate System NAD 83(2011) East Zone

STATION	OFFSET	NORTH	EAST
24+57.59	6.43' Lt.	2,007,897.741	1,074,802.629
24+85.00	48.00' Rt.	2,007,958.560	1,074,798.741
24+85.00	69.00' Rt.	2,007,977.881	1,074,806.969
25+27.34	48.00' Rt.	2,007,975.150	1,074,759.787
25+27.42	42.00' Rt.	2,007,969.663	1,074,757.357
26+53.88	42.00' Rt.	2,008,019.213	1,074,641.013
26+54.00	40.00' Rt.	2,008,017.421	1,074,640.115
26+56.74	4.04' Lt.	2,007,977.974	1,074,620.340
26+78.75	40.00' Lt.	2,007,953.518	1,074,586.002
26+78.75	40.00' Rt.	2,008,027.118	1,074,617.347

THE LAKES OF LONG GROVE SUBDIVISION
Recorded August 30, 1977
as Document No. 1861302
Corrected by Letter of Amendment
Recorded October 27, 1977
as Document No. 1876064

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
0012T.E.	0.890	N/A	N/A	0.890	0.047	Construction Purposes	15-30-100-010

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE

QUARTER SECTION LINE

QUARTER, QUARTER SECTION LINE

PLATTED LOT LINE

PROPERTY (DEED) LINE

APL

APPARENT PROPERTY LINE

EXISTING CENTER LINE

PROPOSED CENTER LINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

EXISTING EASEMENT

PROPOSED EASEMENT

EXISTING ACCESS CONTROL LINE

PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION

COMPUTED DIMENSION

RECORD DIMENSION

EXISTING BUILDING

129.32' (Comp.)

129.32'

0 20' 40'

SCALE: 1"=20'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

○ IRON PIPE OR ROD FOUND

⊕ "MAG" NAIL SET

+ CUT CROSS FOUND OR SET

● 5/8" REBAR SET

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

⊙ PERMANENT SURVEY MARKER (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 30, TOWNSHIP 43N., RANGE 11E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 16th DAY OF August 2016 A.D.

Christian H. Jorgensen - PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
All dimensions are measured unless otherwise specified.
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To obtain ground distances, divide grid distances shown by the combined factor of 0.9999548166.

PROJECT COORDINATES
Illinois Coordinate System NAD 83(2011) East Zone

STATION	OFFSET	NORTH	EAST
23+81.36	40.00' Lt.	2,007,836.992	1,074,859.614
23+81.36	40.00' Rt.	2,007,910.591	1,074,890.958
24+29.47	69.00' Rt.	2,007,956.122	1,074,858.061
24+40.28	40.00' Rt.	2,007,933.678	1,074,836.750

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

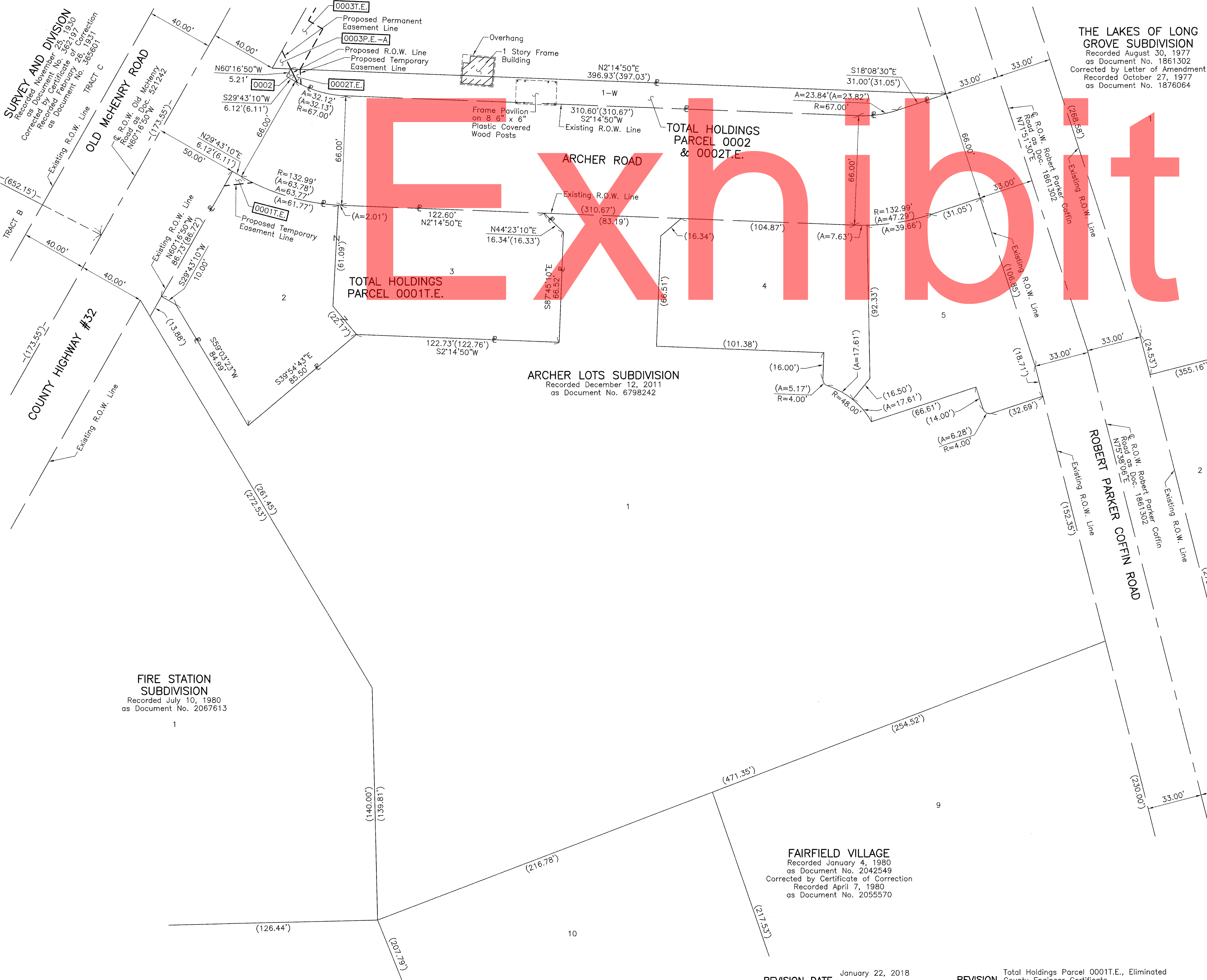
**PLAT OF HIGHWAYS
LAKE COUNTY
DIVISION OF TRANSPORTATION**
OLD McHENRY ROAD (COUNTY HIGHWAY #32)
LIMITS: ILLINOIS ROUTE 53 TO CUBA ROAD LAKE COUNTY
SECTION: 11-00083-09-RS JOB NO.
STATION 23+00 TO STATION 27+00
SCALE: 1"=20' SHEET 9 OF 13

LAKE COUNTY DIVISION OF TRANSPORTATION
600 WEST WINCHESTER ROAD
LIBERTYVILLE, ILLINOIS 60048

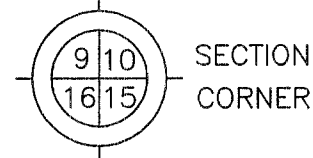
REVISION DATE January 22, 2018
December 13, 2016
REVISION Eliminated County Engineer Certificate
Configuration Parcel 0012T.E.

MADE BY

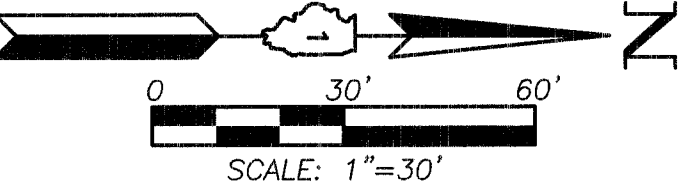
PART OF THE NW 1/4 OF SEC. 30, TWP. 43 N., R. 11 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.



LEGEND



- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- EXISTING CENTER LINE
- PROPOSED CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DIMENSION



Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 30, TOWNSHIP 43N., RANGE 11E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 16th DAY OF August 2016 A.D.
CHRISTIAN H. JORGENSEN
2797 PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
LAKE VILLA, ILLINOIS
PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
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JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS
LAKE COUNTY
DIVISION OF TRANSPORTATION
OLD McHENRY ROAD (COUNTY HIGHWAY #32)
LIMITS: ILLINOIS ROUTE 53 TO CUBA ROAD LAKE COUNTY
SECTION: 11-00083-09-RS JOB NO.
STATION NONE TO STATION
SCALE: 1"=30' SHEET 10 OF 13

LAKE COUNTY DIVISION OF TRANSPORTATION
600 WEST WINCHESTER ROAD
LIBERTYVILLE, ILLINOIS 60048

REVISION DATE January 22, 2018
REVISION Total Holdings Parcel 0001T.E., Eliminated
County Engineer Certificate

MADE BY

PART OF THE NW 1/4 OF SEC. 30, TWP. 43 N., R. 11 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

THE LAKES OF LONG GROVE SUBDIVISION
Recorded August 30, 1977
as Document No. 1861302
Corrected by Letter of Amendment
Recorded October 27, 1977
as Document No. 1876064

WILLIAM UMBDENSTOCK SUBDIVISION
Recorded June 3, 1958
as Document No. 991876

W. F. GOSSWILLER'S SUBDIVISION
Recorded December 29, 1924
as Document No. 250627

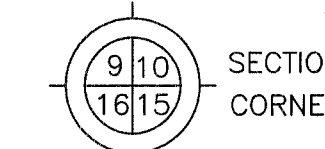
FANNING'S SUBDIVISION
Recorded August 11, 1992
as Document No. 1157511

RED OAKS
Recorded December 26, 1986
as Document No. 2519282
Corrected by Certificates of Correction
Recorded July 16, 1987
as Document No. 2590825
and Recorded July 27, 1987
as Document No. 2594571

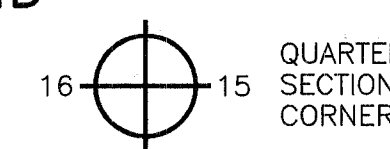
TOTAL HOLDINGS
PARCEL
0003P.E.-A & B
& 0003T.E.

SURVEY AND DIVISION
Recorded November 25, 1930
as Document No. 362197
Corrected by Certificate of Correction
Recorded February 26, 1931
as Document No. 365601

LEGEND

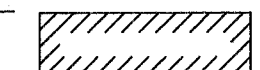


SECTION
CORNER



QUARTER
SECTION
CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APL
APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION



EXISTING BUILDING

Bearings and Coordinates are referenced to the
Illinois Coordinate System NAD 83(2011) East Zone.

- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET • 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH
T2 IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY
T3 COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONU-
BT2 MENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE
BT3 FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SUR-
VEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY
MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION
DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8
INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY
MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING
SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS
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SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 30, TOWNSHIP 43N.,
RANGE 11E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS
TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT
THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND
ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON
AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.
MADE FOR THE LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 16th DAY OF August 2016 A.D.



Christian H. Jorgensen - PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT
ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
All dimensions are measured unless otherwise specified.
Areas shown on this plat are ground.
All measured and computed distances are grid not ground.
To obtain ground distances, divide grid distances shown by
the combined factor of 0.9999548166.

ARCHER LOTS SUBDIVISION
Recorded December 12, 2011
as Document No. 6798242

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS
LAKE COUNTY
DIVISION OF TRANSPORTATION
OLD McHENRY ROAD (COUNTY HIGHWAY #32)

LIMITS: ILLINOIS ROUTE 53 TO CUBA ROAD LAKE COUNTY
SECTION: 11-00083-09-RS JOB NO.
STATION NONE TO STATION
SCALE: 1"=30' SHEET 11 OF 13

LAKE COUNTY DIVISION OF TRANSPORTATION
600 WEST WINCHESTER ROAD
LIBERTYVILLE, ILLINOIS 60048

REVISION DATE January 18, 2018

REVISION Changed Parcels 0003-A & 0003-B to 0003P.E.-A &
0003P.E.-B, Eliminated County Engineer Certificate

MADE BY

REVISION DATE

REVISION

MADE BY

LAKE COUNTY DIVISION OF TRANSPORTATION
600 WEST WINCHESTER ROAD
LIBERTYVILLE, ILLINOIS 60048

SEE SHEET 15

P.I.	=	Sta. 405+07.39
Δ	=	22°21'17"
R	=	300.00'
T	=	59.28'
L	=	117.05'
E	=	5.80'
P.R.C.	=	Sta. 404+48.11
P.C.C.	=	Sta. 405+65.16

REVISION Eliminated County Engineer Certificate
Begin Project Robert Parker Coffin Road
① Alignment Robert Parker Coffin Road

WILLIAM H. JORGENSEN
2797
PROFESSIONAL
LAND
SURVEYOR
STATE OF
ILLINOIS
LAKE VILLA, ILLINOIS

LAKE COUNTY DIVISION OF TRANSPORTATION
600 WEST WINCHESTER ROAD
LIBERTYVILLE, ILLINOIS 60048

Subconsultant:

Mathewson Land Services, Inc.

**AGREEMENT FOR
LAND ACQUISITION CONSULTING SERVICES**

**Parsons
Washington Street at IL 21 (Milwaukee Avenue) Intersection**

AGREEMENT between Mathewson Land Services, Inc. (MLS) whose address is 2024 Hickory Road, Suite 300, Homewood, Illinois 60430 and Parsons (PARSONS), whose address is 10 South Riverside, Suite 400, Chicago, Illinois 60606.

MLS shall provide to PARSONS, on behalf of the Lake County Division of Transportation (LCDOT), consulting services for the acquisition of right of way for the Washington Street at IL 21 (Milwaukee Avenue) Intersection Project (PROJECT).

The PROJECT shall consist of the acquisition of approximately 10 parcels.

MLS shall perform the following services:

1. Appraisal
2. Negotiations
3. Closings
4. Direct Expense

All of the above are described as specified in Exhibit A: Scope of Services attached hereto.

PARSONS shall compensate MLS for the services provided under this AGREEMENT as provided in Exhibit B: Compensation attached hereto. The total amount of compensation authorized by this agreement is not to exceed \$110,000.00.

Exhibit C: Terms and Conditions is attached hereto and made a part hereof.

Submitted this 22nd day of May, 2023.

Accepted this ____ day of _____, 2023.

Mathewson Land Services, Inc.

Parsons

By: 

By: _____

Mark D. Mathewson
President

EXHIBIT A: SCOPE OF SERVICES

MLS agrees to perform, at the direction of PARSONS, the following services:

1. Appraisal
2. Negotiations
3. Closing
4. Direct Expense

All services called for in this AGREEMENT will be conducted by an individual or individuals whose qualifications have been approved by the Illinois Department of Transportation, when applicable.

All services within the scope of this AGREEMENT shall be performed, where applicable, in accordance with the IDOT Land Acquisition Policies and Procedures Manual, hereinafter referred to as the LAPPM.

APPRAISALS

Determinations of fair market value performed by the Appraiser shall be in accordance with the LAPPM.

The Appraiser shall make a detailed inspection of the properties and make such investigations and studies as are necessary to derive sound conclusions for the preparation of appraisal reports.

Valuations shall be prepared as outlined in the LAPPM. The format to be used shall be one of the following types as described in the LAPPM:

- Non-Complex Appraisal Report
- Complex Appraisal Report

The Appraiser is to determine which type of appraisal format should be used for each parcel and obtain the LCDOT's concurrence. MLS shall provide a copy of an appraisal of each parcel together with Improvement Disposition Values form to be submitted to the LCDOT for approval.

Property needed shall be acquired by fee simple, dedication, permanent easement, temporary use permit, or temporary easement as determined and shown on the right of way plan furnished by PARSONS.

It may be necessary for a completed appraisal to be updated for condemnation purposes or revised due to a change in the ROW plat or due to new information provided by the LCDOT or PARSONS. These updates or revisions will be assigned to the Appraiser in a separate work order as the need arises.

On parcels that require the acquisition of a residence, it may be necessary for the Appraiser to perform an additional analysis to determine an allocated value for the residence and home site as separate from the whole parcel to be acquired. This would be needed for relocation purposes and is not to be included in the appraisal report. The cost for the additional appraisal analysis will be established in the work order for that appraisal.

The Appraiser shall prepare a comparable sales brochure in accordance with the LAPPM for each project and as directed by the LCDOT.

The Appraiser shall prepare grids that compare comparable sales to the subject parcel, where appropriate.

The Appraiser shall include land and improvement allocations in the comparable sales data section of all appraisals.

The Non-Complex Appraisal Report and Complex Appraisal Report, and an updated or revised appraisal report, shall be deemed complete when an acceptable appraisal report is submitted by MLS and approved by the LCDOT.

Appearances in court and/or pretrial conferences, which include depositions and preparation time for depositions and court, may be required for the appraisal services requested herein. The time spent at such appearance or appearances shall be made upon request of the LCDOT or its trial counsel and shall be paid for as specified in Exhibit B.

Appraiser may be asked to perform a Cost Analysis for budgetary purposes.

Appraiser may be asked to provide a Comparable Sales Book as an on-going assignment independent of individual appraisals.

MLS staff may assist in the preparation of appraisal work.

NEGOTIATIONS

The Negotiator is responsible for all land acquisition negotiations conducted under this AGREEMENT. Negotiations shall be in accordance with the LAPPM. The negotiator shall:

- Be the LCDOT's representative to the property owner.
- Work with the Project Manager to receive and understand the scope of work for each work order and the associated deadlines/time frames involved.
- Establish schedules for each activity and report the progress to the Project Manager to assure a quality product.
- Assure that the deadlines assigned are met.
- Maintain channels of communication.
- Provide a quality product.

Before the initiation of negotiations for each parcel, the LCDOT must approve the amount of just compensation. The Negotiator shall fully document on an ongoing basis all efforts made to acquire the parcel in the Negotiator's Report. Said report shall be available to the LCDOT as reasonably requested.

The Negotiator may recommend administrative settlements as outlined in the LAPPM. Administrative settlements will be determined by the LCDOT on an individual parcel basis.

In the event MLS, after having made every reasonable effort to negotiate with the owner of a parcel, is unable to obtain a settlement on the approved appraisal amount, MLS shall prepare and submit a written report summarizing the progress of negotiations to date together with a copy of MLS's Negotiator's Report completed to date with the names and addresses of all interested parties. MLS's written report shall also include its recommendation for further procedure towards acquiring the parcel. The LCDOT may elect to prepare and forward a Final Offer letter (with copy to MLS) to the owner of the parcel and thereafter refer the matter to the State's Attorney's Office to proceed with preparation of a condemnation petition. In any case, the LCDOT reserves the right to require MLS to make additional negotiation contacts with the parcel owner up until the actual date of filing a petition to condemn the parcel.

The negotiation for a parcel will be deemed complete when all required documents necessary to obtain title approval are submitted and approved by the LCDOT. If a negotiated settlement cannot be reached, the negotiation for a parcel will be deemed complete when the documentation for eminent domain action is submitted and approved by the LCDOT, and the complaint is filed.

If requested to do so, MLS shall provide title review and an attorney's approval letter provided by Mathewson & Mathewson, P.C. for no additional cost.

Each Updated Negotiation or Revised Negotiation shall be paid for at the per parcel fee as specified in Exhibit B. An updated negotiation or revised negotiation is defined as additional negotiation work requested by the LCDOT due to new parcel information supplied by the LCDOT to MLS after first contact with the property owner. New parcel information could include, but is not limited to, significant changes in the area of the acquisition; updated (and modified) appraisal amounts that require revised negotiation documents; updated (and modified) title information that requires negotiations with additional property owner(s). Any additional work required to obtain title approval does not constitute an update or revision that would necessitate a separate work order.

Where the acquisition of a parcel involves the displacement of an owner or tenant occupant from a residence or any personal property thereof, MLS shall coordinate the offering of relocation assistance any payments to each displaced owner-occupant simultaneously with initiation of negotiations and to each displaced tenant-occupant within seven (7) days following initiation of negotiations for the parcel.

Appearances in court and/or pretrial conferences, which include depositions, may be required for the negotiation services requested herein. The time spent at such appearance or appearances shall be made upon request of the LCDOT or its trial counsel and shall be paid for as specified in Exhibit B.

CLOSINGS

MLS shall attend or otherwise supervise the actual closing of each acquired parcel. It is anticipated that most closings will not require an escrow transaction but it is understood that certain acquisitions are best facilitated through an escrow closing.

EXHIBIT B: COMPENSATION

The services to be provided by MLS under this agreement shall be assigned and compensated as provided in the table below.

Parcel	PINS	Owner	Appraisal	Negotiations	Closing	Direct Expense	Total
SWQ-A	07-22-400-004	Properties 3D	\$6,000.00	\$5,000.00	\$1,500.00	\$500.00	\$13,000.00
	07-22-400-005						
SWQ-B	07-22-400-059	221 N Route 21 LLC	\$5,000.00	\$5,000.00	\$1,500.00	\$500.00	\$12,000.00
SEQ-C	07-22-401-011	Tomei	\$4,000.00	\$5,000.00	\$1,500.00	\$500.00	\$11,000.00
	07-22-401-001						
SEQ-D	07-22-400-024	Northside Comm Bank	\$4,000.00	\$5,000.00	\$1,500.00	\$500.00	\$11,000.00
SEQ-E	07-22-400-026	Trust 994	\$4,000.00	\$5,000.00	\$1,500.00	\$500.00	\$11,000.00
SEQ-F	07-22-400-014	Com ED	\$3,000.00	\$5,000.00	\$1,500.00	\$500.00	\$10,000.00
NEQ-G	07-22-400-014	Com ED	\$3,000.00	\$5,000.00	\$1,500.00	\$500.00	\$10,000.00
NEQ-H	07-22-203-010	Rodis Riverside Plaza	\$4,000.00	\$5,000.00	\$1,500.00	\$500.00	\$11,000.00
NEQ-I	07-22-203-015	Rodis	\$3,000.00	\$5,000.00	\$1,500.00	\$500.00	\$10,000.00
NWQ-J	07-22-200-029	Great America	\$4,000.00	\$5,000.00	\$1,500.00	\$500.00	\$11,000.00

\$110,000.00

The sum total of all services provided for in this AGREEMENT shall not exceed **\$110,000.00**.

Direct Expenses included above shall include later date title charges, document copy fees, partial release and trustee fees. Title Insurance, Escrow closing fees, recording and other closing costs imposed by the title company are specifically excluded from this scope and budget. MLS shall advance funds to cover these expenses and invoice either Parsons or the County as directed.

It is understood that appearances in court and pretrial conferences may be required in relation to the negotiation services called for herein and it is agreed that such appearance or appearances shall be made upon request of the LCDOT or its trial counsel.

In event of such services being requested, they will be provided as follows:

- (a) Rate each half day or fraction thereof for time spent in pretrial conference \$1,000.00.
- (b) Rate each half day or fraction thereof for time spent in court \$1,000.00.

The fees for services shall include all transportation, food, lodging, telephone, or any other operating expenses incurred by MLS in the performance thereof.

EXHIBIT C: TERMS AND CONDITIONS

1. Parcels

PARSONS shall provide MLS with relevant plats of highways, legal descriptions and construction plans for each parcel to be acquired. Each parcel shall consist of one or more basic parcels of land required as right of way for highway purposes to be acquired in fee simple title, and such other easements (temporary or permanent) for uses incidental to construction of the highway but which are not considered as part of the highway right of way, all of which are under the same ownership involving a complete contiguous parcel.

2. Termination

PARSONS may terminate this AGREEMENT at any time and for any cause by a notice in writing to MLS. In the event of such termination, payment will be made to MLS for any completed services. Services in the process of completion shall be compensated for on an equitable basis and all incomplete parcel data collected in connection with them shall be turned over and become the property of the LCDOT; provided, however, this AGREEMENT be terminated solely because the progress or quality of work is unsatisfactory as determined by the LCDOT or PARSONS accepting this AGREEMENT, then no payment will be made or demanded by MLS for any services which have not been completed and delivered to PARSONS and the LCDOT prior to the date of said termination.

3. Project Materials

- a. It is understood and agreed that the LCDOT shall be considered the sole owner of all plats, legal descriptions, ownership and occupancy records, forms of deeds and easements, title reports, and any and all other material furnished, prepared or obtained by MLS during the course of providing its services for the parcel and shall be maintained in a separate parcel file for the parcel assigned. MLS will provide a copy of the original file of the parcel during the course of the project to the LCDOT. MLS will provide a timely update of all documents that pertain to the parcel during the course of the project. Upon completion of the project the original file will be delivered to the LCDOT. Upon termination of this AGREEMENT for any cause or upon completion of the acquisition of the parcel or upon request of the LCDOT when acquisition is determined to be by Eminent Domain proceedings, MLS's parcel file shall be delivered to the LCDOT. MLS's parcel files shall be available for inspection or review of its contents by the LCDOT, Illinois Department of Transportation or Federal Highway Administration personnel at any time.
- b. Electronic copies shall be provided unless the LCDOT requests to the contrary.

4. Records Preservation

MLS shall maintain, for a minimum of five years after the completion of the AGREEMENT, adequate books, records, and supporting documents to verify the amount, recipients, and uses of all disbursements of funds passing in conjunction with the AGREEMENT; the AGREEMENT and all books, records, and supporting documents related to the AGREEMENT shall be available for review and audit by the LCDOT Auditor; and the MLS agrees to cooperate fully with any audit conducted by the Auditor and to provide full access to all relevant materials. Failure to maintain the books, records, and supporting documents required by this Section shall establish a presumption in favor of the LCDOT for the recovery of any funds paid by the LCDOT under the AGREEMENT for which adequate books, records, and supporting documentation are not available to support their purported disbursement.

5. Consultant Certifications and Representations

- a. MLS certifies that MLS has read the certifications and assurances described in this AGREEMENT and in the Standard Provisions, and certifies that Mark D. Mathewson's signature on the AGREEMENT constitutes an endorsement and execution of each certification and assurance as though each were individually signed, and made on behalf of the contracting entity and its officers and each individual authorized to do work for the LCDOT under this AGREEMENT.
- b. MLS under penalties of perjury, certifies that 85-4092178 is its correct Federal Taxpayer Identification number. It is doing business as a Corporation.
- c. MLS certifies that it is not in default on an educational loan.
- d. MLS certifies that it is not barred from bidding on State of Illinois AGREEMENTs because of violations of State law regarding bid rigging or rotating. 720 ILCS 5/33E-3, 33E-4.
- e. MLS certifies that it will not engage in the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance in the performance of this AGREEMENT, or if a corporation, partnership, or other entity with 25 or more employees, have completed and signed a "DRUG-FREE WORKPLACE CERTIFICATION."
- f. MLS, under penalty or perjury under the laws of the United States, certifies that the company or any person associated therewith in the capacity of owner, partner, director, officer, principal investigator, project director, manager, auditor, or any position involving the administration of federal funds:
 - i. is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any federal agency;
 - ii. has not been suspended, debarred, voluntarily excluded or determined ineligible by any federal agency within the past three years;

- iii. does not have a proposed debarment pending; and
- iv. has not been indicted, convicted, or the subject of a civil judgment by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three years.
- g. MLS certifies that it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois nor has MLS made admission of guilt of such conduct which is a matter of record, nor has any official, officer, agent, or employee of this company been so convicted nor made such an admission.
- h. MLS is hereby notified that the LCDOT, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252) and Title 49, Code of Federal Regulations, Part 21, issued pursuant to such Act, will affirmatively insure that any AGREEMENT entered into pursuant to this AGREEMENT will be awarded without discrimination on the grounds of race, color, or national origin.
- i. MLS warrants and represents that it is fully qualified to provide the services hereunder provided for in this Agreement.

6. Disclosures

- a. MLS hereby certifies that if any conflict of interest arises, in any of the parcels subsequently assigned to it, it will immediately, within 5 business days of receipt, inform the LCDOT accepting this AGREEMENT and return all material furnished to him for reassignment to others.
- b. It is understood and agreed that Appendices A and B shall be a part of this AGREEMENT and MLS agrees to be bound by the terms and provisions contained herein.
- c. MLS warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for it, to solicit or secure this AGREEMENT, and that it has not paid or agreed to pay any company or person, other than a bona fide employee working solely for it, any fee, commission, percentage, brokerage fee, gift, or any other consideration, contingent upon or resulting from the award or making of the AGREEMENT. For breach or violation of this warranty, the LCDOT shall have the right to annul this AGREEMENT without liability.

7. Indemnity

MLS will indemnify and hold harmless the LCDOT from all claims and liability due to activities of himself, its agents, and its employees and will comply with all Federal, State, and local laws and ordinances.

8. Insurance

MLS shall obtain Commercial General Liability in a broad form, to include but not be limited to, coverage for the following where exposure exists: Bodily Injury and Property Damage, Premises/Operations, Independent contractors, Products/Completed Operations, Personal Injury, Professional Liability and contractual Liability; limits of liability not less than: \$1,000,000.00 per occurrence and \$2,000,000.00 in the aggregate.

Business Auto Liability to include, but not be limited to, coverage for the following where exposure exists: Owned Vehicles, Hired and Non-Owned Vehicles and Employee Non-Ownership; limits of liability not less than: \$1,000,000.00 per occurrence, combined single limit for Bodily Injury and Property Damage Liability. Workers' Compensation Insurance will cover all employees that meet statutory limit in compliance with applicable state and federal laws. The coverage must also include employer's liability with minimum limits of \$100,000.00 for each incident.

The LCDOT shall be provided with Certificates of Insurance evidencing the above required insurance prior to the commencement of services and thereafter with the certificates evidencing renewals or changes to said policies of insurance at least fifteen (15) days prior to the expiration or cancellation of any such policies. The LCDOT shall be named as additional insured on all liability policies, and MLS acknowledges that any insurance maintained by the LCDOT shall apply in excess of, and not contribute to, insurance provided by MLS. The contractual liability arising out of the AGREEMENT shall be acknowledged on the Certificate of Insurance by the insurance company.

The LCDOT shall be provided with thirty (30) day prior notice, in writing, of Notice of Cancellation or material change and said notification requirements shall be stated on the Certificate of Insurance.

9. Breach

Nothing herein shall be construed as prohibiting the parties to the AGREEMENT from pursuing any other remedies available to the parties for such breach or threatened breach, including recovery of damages from the parties. This provision shall survive any termination of this AGREEMENT.

10. Governing Law

Terms of this AGREEMENT will be governed by Illinois law.

11. Transferability

MLS agrees that this AGREEMENT or any part thereof will not be sublet or transferred without the written consent of the LCDOT accepting this AGREEMENT.

12. Execution of AGREEMENT

In the event this AGREEMENT is executed, it shall constitute a contract as of the date it is approved by the LCDOT or its authorized representative and shall be binding on MLS, its executors, administrators, successors or assigns, as may be applicable.

STATE OF ILLINOIS

DRUG FREE WORKPLACE CERTIFICATION

This certification is required by the Drug Free Workplace Act (III. Rev. Stat., ch. 127, par. 152.311). The Drug Free Workplace Act, effective January 1, 1992, requires that no grantee or contractor shall receive a grant or be considered for the purposes of being awarded a contract for the procurement of any property or services from the State unless that grantee or contractor has certified to the State that the grantee or contractor will provide a drug free workplace. False certification or violation of the certification may result in sanctions including, but not limited to, suspension of contract or grant payments, termination of the contract or grant and debarment of contracting or grant opportunities with the State for at least one (1) year but not more than five (5) years.


For the purpose of this certification, "grantee" or "contractor" means a corporation, partnership, or other entity with twenty-five (25) or more employees at the time of issuing the grant, or a department, division, or other unit thereof, directly responsible for the specific performance under a contract or grant of \$5,000 or more from the State.

The contractor/grantee certifies and agrees that it will provide a drug free workplace by:

- (a) Publishing a statement:
 - (1) Notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance, including cannabis, is prohibited in the grantee's or contractor's workplace.
 - (2) Specifying the actions that will be taken against employees for violations of such prohibition.
 - (3) Notifying the employee that, as a condition of employment on such contract or grant, the employee will:
 - (A) abide by the terms of the statement; and
 - (B) notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five (5) days after such conviction.
- (b) Establishing a drug free awareness program to inform employees about:
 - (1) the dangers of drug abuse in the workplace;
 - (2) the grantee's or contractor's policy of maintaining a drug-free workplace;
 - (3) any available drug counseling, rehabilitation, and employee assistance program; and

- (4) the penalties that may be imposed upon an employee for drug violations.
- (c) Providing a copy of the statement required by subparagraph (a) to each employee engaged in the performance of the contract or grant and to post the statement in a prominent place in the workplace.
- (d) Notifying the contracting or granting agency within ten (10) days after receiving notice under part (B) of paragraph (3) of subsection (a) above from an employee or otherwise receiving actual notice of such conviction.
- (e) Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program by an employee who is so convicted, as required by section 5 of the Drug Free Workplace Act.
- (f) Assisting employees in selecting a course of action in the event drug counseling, treatment, and rehabilitation is required and indicating that a trained referral team is in place.
- (g) Making a good faith effort to continue to maintain a drug free workplace through implementation of the Drug Free Workplace Act.

THE UNDERSIGNED AFFIRMS, UNDER PENALTIES OF PERJURY, THAT HE OR SHE IS AUTHORIZED TO EXECUTE THIS CERTIFICATION ON BEHALF OF THE DESIGNATED ORGANIZATION.


 Printed Name of Organization
 Mathewson Land Services, Inc.
 Signature of Authorized Representative
 Requisition/Contract/Grant ID Number
 Printed Name and Title
 Mark D. Mathewson, President
 Date
 May 22, 2023

APPENDIX A

During the performance of this contract, the contractor, for itself, its assignees and successors in interest (hereinafter referred to as the "Contractor"), agrees as follows:

1. **Compliance with Regulations:** The contractor shall comply with the Regulations relative to nondiscrimination in federally-assisted programs of the Department of Transportation, Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as Regulations), which are herein incorporated by reference and made a part of this contract.
2. **Nondiscrimination:** The contractor, with regard to the work performed by it during the contract, shall not discriminate on the ground of race, color or national origin in the selection and retention of subcontractors including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.
3. **Solicitations for Subcontracts, Including Procurement of Materials and Equipment:**
In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurement of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to nondiscrimination on the ground of race, color or national origin.
4. **Information and Reports:** The contractor shall provide all information and reports required by the Regulations, or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the State or the Federal Highway Administration to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the contractor shall so certify to the State or the Federal Highway Administration is appropriate and shall set forth what efforts it has made to obtain the information.
5. **Sanctions for Noncompliance:** In the event of the contractor's noncompliance with the nondiscrimination provisions of this contract, the State shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
 - withholding of payments to the contractor under the contract until the contractor complies, and/or
 - cancellation, termination or suspension of the contract, in whole or in part.
6. **Incorporation of Provisions:** The contractor shall include the provisions of Paragraph (1) through (6) in every subcontract, including procurement of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto. The contractor shall take such action with respect to any subcontract or procurement as the State or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the State to enter into such litigation to protect the interests of the State, and, in addition, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

APPENDIX B

EQUAL EMPLOYMENT OPPORTUNITY CLAUSE required by the Illinois Fair Employment Practices Commission as a material term of all public contracts:

EQUAL EMPLOYMENT OPPORTUNITY. In the event of the contractor's noncompliance with any provision of this Equal Employment Opportunity Clause, the Illinois Fair Employment Practices Act or the Fair Employment Practices Commission's Rules and Regulations for Public Contracts, the contractor may be declared nonresponsible and therefore ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and the contract may be canceled or avoided in whole or in part, and such other sanctions or penalties may be imposed and remedies invoked as provided by Statute or regulation.

During the performance of this contract (Agreement), the contractor (Consultant) agrees as follows:

1. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, or ancestry, physical or mental handicap unrelated to ability, or an unfavorable discharge from the military service, and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.
2. That, if it hires additional employees in order to perform this contract, or any portion hereof, it will determine the availability (in accordance with the Commission's Rules and Regulations for Public Contracts) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.
3. That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, national origin or ancestry, physical or mental handicap unrelated to ability, or an unfavorable discharge from the military service.
4. That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice such labor organization or representative of the contractor's obligations under the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts. If any such labor organization or representative fails or refuses to cooperate with the contractor in its efforts to comply with such Act and Rules and Regulations, the contractor will promptly so notify the Illinois Fair Employment Practices Commission and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations thereunder.
5. That it will submit reports as required by the Illinois Fair Employment Practices Commission's Rules and Regulations for Public Contracts, furnish all relevant information as may from time to time be requested by the Commission or the contracting agency, and in all respects comply with the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts.
6. That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Illinois Fair Employment Practices Commission for purposes of investigation to ascertain compliance with the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts.

7. That it will include verbatim or by reference the provisions of Paragraphs 1 through 7 of this clause in every performance subcontract as defined in Section 2.1 O(b) of the Commission's Rules and Regulations for Public Contracts so that such provisions will be binding upon every such subcontractor; and that it will also so include the provisions of paragraphs 1, 5, 6 and 7 in every supply subcontract as defined in Section 2.1 O(a) of the Commission's Rules and Regulations for Public Contracts so that such provisions will be binding upon every such subcontractor. In the same manner as with other provisions of this contract, the contractor will be liable for compliance with applicable provisions of this clause by all its subcontractors; and further it will promptly notify the contracting agency and the Illinois Fair Employment Practices Commission in the event any subcontractor fails or refuses to comply therewith. In addition, no contractor will utilize any subcontractor declared by the Commission to be nonresponsible and therefore ineligible for contracts or subcontracts with the state of Illinois or any of its political subdivisions or municipal corporations.

With respect to the two types of subcontracts referred to under paragraph 7 of the Equal Employment Opportunity Clause above, following is an excerpt of Section 2 of the FEPC's Rules and Regulations for Public Contracts:

Section 2.10. The term "Subcontract" means any agreement, arrangement or understanding, written or otherwise, between a contractor and any person (in which the parties do not stand in the relationship of an employer and an employee):

- for the furnishing of supplies or services or for the use of real or personal property, including lease arrangements, which, in whole or in part, is utilized in the performance of any one or more contracts; or
- under which any portion of the contractor's obligation under any one or more contracts is performed, undertaken or assumed.

By signing this Proposal, the **CONSULTANT** agrees to the provisions as written. Upon acceptance by the **LPA**, this Contract shall be governed by Illinois law.

For the **CONSULTANT**:

Mathewson Land Services, Inc.
2024 Hickory Road, Suite 300
Homewood, IL 60430

By: 
Mark D. Mathewson, President

May 22, 2023

FEIN: 85-4092178

Telephone: (312) 676-2900

For the **LPA**:

Lake County Division of Transportation /
Parsons

By: _____
LPA Representative

Date: _____

Subconsultant:

HBK Engineering, LLC

May 22, 2023

Jeffrey Hall, PE
Parsons Transportation Group
10 South Riverside, Suite 400
Chicago, Illinois 60606

Re: Scope and Fee for Washington St at IL 21 (Milwaukee Avenue) Intersection Improvements
Section 22-00999-93-ES / Lake County DOT
Gurnee, Lake County, IL
HBK Engineering, LLC Proposal

Dear Mr. Hall,

HBK Engineering, LLC, (HBK) is pleased to present this proposal to Parsons Transportation Group (Parsons). This Phase I & II Preliminary Engineering Study centers around the roadway improvements to the intersection of Washington St and IL 21 (Milwaukee Ave), in Gurnee, in Lake County, IL. This project will require the locating of existing utilities throughout the project limits (Quality Level B-D), surveying, utility base mapping (CAD), utility coordination through Phase 1 and 2 and preliminary design review which HBK will provide.

HBK's scope and fees for the project Totals: \$47,919.00.

HBK appreciates the opportunity to assist Parsons on this project.

Please contact me if you have any questions and/or need additional information.

Sincerely,



Dan Zeman, PE CAPM
Senior Project Manager

Attachments (5):

- Parsons_WashingtonStatIL21IntersectionImprovements_SOW_HBK_05222023_Rev3 (PDF)
- IntersectionSurveyDistance_IL21andWashingtonSt_2023-05-22 (PDF)
- BLR 05514_05222023_Rev3 (PDF)

cc: Bethany Turk, PE – HBK Engineering, LLC.
Anthony D'Angelo, EIT – HBK Engineering, LLC.

(Parsons_LCDOT_WashingtonStatIL21IntersectionImprovements_HBK_CoverLtr_05222023_Rev3.doc)

Lake County Division of Transportation/Parsons Transportation Group

Washington St at IL 21 (Milwaukee Ave) Intersection Improvements

Section 22-00999-93-ES

At the request of **Parson Transportation Group (PARSONS / Client)**, **HBK Engineering, LLC (HBK / Consultant)** has prepared a scope of services for Utility Locating, Subsurface Utility Engineering (SUE) Quality Level B-D, Surveying, Utility Easement Research, Utility Base Mapping (CAD), and Utility Coordination for the Washington St at IL21 (Milwaukee Ave) intersection improvement project in Gurnee, Lake County, Illinois. A CECS and Direct Cost detailed proposal for this improvement project are also attached.

Project Limits

The project limits for purposes of utility identification and utility locating will extend to the existing right-of-way limits detailed in the Intersection Survey Distance PDF provided by Parsons. The total utility locating length is estimated as follows:

- Milwaukee Ave – 750' Northeast (Green Limit) and 705' Southwest (Green Limit)
- Washington Street – 1095' West (Green Limit) and 1125' East (Green Limit)

Total = 3,675 feet (0.70 miles)

Utility locating and utility coordination (Subsurface Utility Engineering, or SUE) services for this project will be completed by HBK, as a subconsultant to PARSONS.

Utility Identification and Coordination

Based on the expectation that utility conflicts are likely to be a substantial challenge with respect to design and construction of the proposed improvements, a separate Level B Subsurface Utility Engineering (SUE) evaluation, including utility locating and utility coordination, will be completed for the project by HBK. The information gathered by HBK will be incorporated into the project base CAD files.

Initial Coordination/Data Collection

The proposed improvements will require coordination with public and private utilities that have facilities within the project corridor. HBK will coordinate with any utility companies/agencies found to have facilities located within the vicinity of the project limits through a JULIE Design Stage/Planning Information Request. Lake County DOT will provide area utility companies and contact information to PARSONS/HBK. A request will be made for these utilities to provide any available maps of existing facilities. HBK will provide copies of the atlases obtained to PARSONS for their files upon completion of all locating work performed.

Utility Easement Research

HBK will perform research at and through the Lake County Recorder's office for utility easements as granted as separate documents and on recorded plats. Research will cover parcels of un-subdivided and subdivided property on all sides of the intersection within project limits previously noted. Additional document requests will be made to both IDOT District 1 and LCDOT for records.

Utility Locating

Descriptions of SUE quality levels are derived from the FHWA website on subsurface utility engineering. The website describes American Society of Civil Engineers (ASCE) Standard *C-I 38-02, Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data*. There are four recognized quality levels of underground utility information ranging from Quality Level QL-D (the lowest level) to Quality Level QL-A (the highest level).

HBK will perform SUE Quality Level B locating of any utility facilities located within the project limits. Quality Level D information will be obtained from the City of Gurnee, Lake County, PARSONS, utility company atlases, JULIE requests, and other reliable sources. Qualified HBK staff will perform Level B locates of underground utilities within the project limits.

HBK will perform SUE Level D and B locating of electric, telecommunication, gas, underground traffic control facilities within the project limits as identified in the intersection survey document.

SUE Level D and B locating DOES NOT include sanitary or storm sewer facilities.

Utility Survey

After Level B locating is completed, HBK survey crews will survey to bring the located utility locations and information into a base utility CAD (DGN) file.

HBK will perform the field survey work as a subconsultant to PARSONS. All work proposed is within existing or proposed roadway right-of-way and may require private property/parcel access. PARSONS will provide written authorization from the Lake County Division of Transportation for access. HBK will survey the located utilities and the rims of existing water structures.

On this basis, HBK will perform the following survey tasks in accordance with applicable Lake County DOT Design Survey Procedures dated 2/22/2021:

GPS Field Location:

Utilizing state plane coordinates, HBK will survey all utilities, conflicts and potholed utilities utilizing GPS equipment. It is assumed that the coordinates or field information will be on Illinois State Plane East, NAD83 (2011).

Vertical Control:

It is assumed that either PARSONS and/or the Lake County Division of Transportation has benchmarks available in the vicinity of the project or that HBK will be allowed to establish vertical control (NAVD88) utilizing GPS and the nearest NGS vertical monuments. PARSONS and/or Jorgensen will provide the benchmark(s) and control data for HBK's use in its data collection.

Survey will include existing visible utility structures, including telecommunication, gas, electric, watermain, and other utilities noted previously found within the project limits.

Utility Data Base Mapping

HBK will compile all the above information into one base map MicroStation drawing suitable for plotting at 1"=20' and 1"=50' scale that is representative of existing utility locations for use in all Phase II engineering work in developing the detailed plan, profile, and cross sections for the preferred alternative. Survey base map drawing will be generated in MicroStation V8i.

HBK will coordinate with the roadway designer so that utilities can be depicted accurately in the survey data and utility base maps. This shall include time allotted for utility base map QA/QC.

Preliminary Utility Design Review

As part of this scope, HBK will complete one initial conflict analysis between the existing utility location information and the proposed Phase I final approved roadway alignment plan set to identify potential utility conflicts within the project limits. HBK will also coordinate with the roadway design team to develop an understanding of the presence of utilities, their type, and possible issues with protecting and/or relocating those utilities.

Utility Coordination

HBK will coordinate with the utility companies/agencies having facilities within the project limits during Phase I and II Engineering. HBK will draft notifications and send preliminary Phase I geometric plans and electronic files will be sent to utility companies to review the proposed improvements and identify impacts/conflicts to their facilities. HBK will participate in conflict/relocation reviews and lead relocation efforts. HBK will continue to lead the coordination effort through phase 2 of the project.

Utility Coordination Meetings

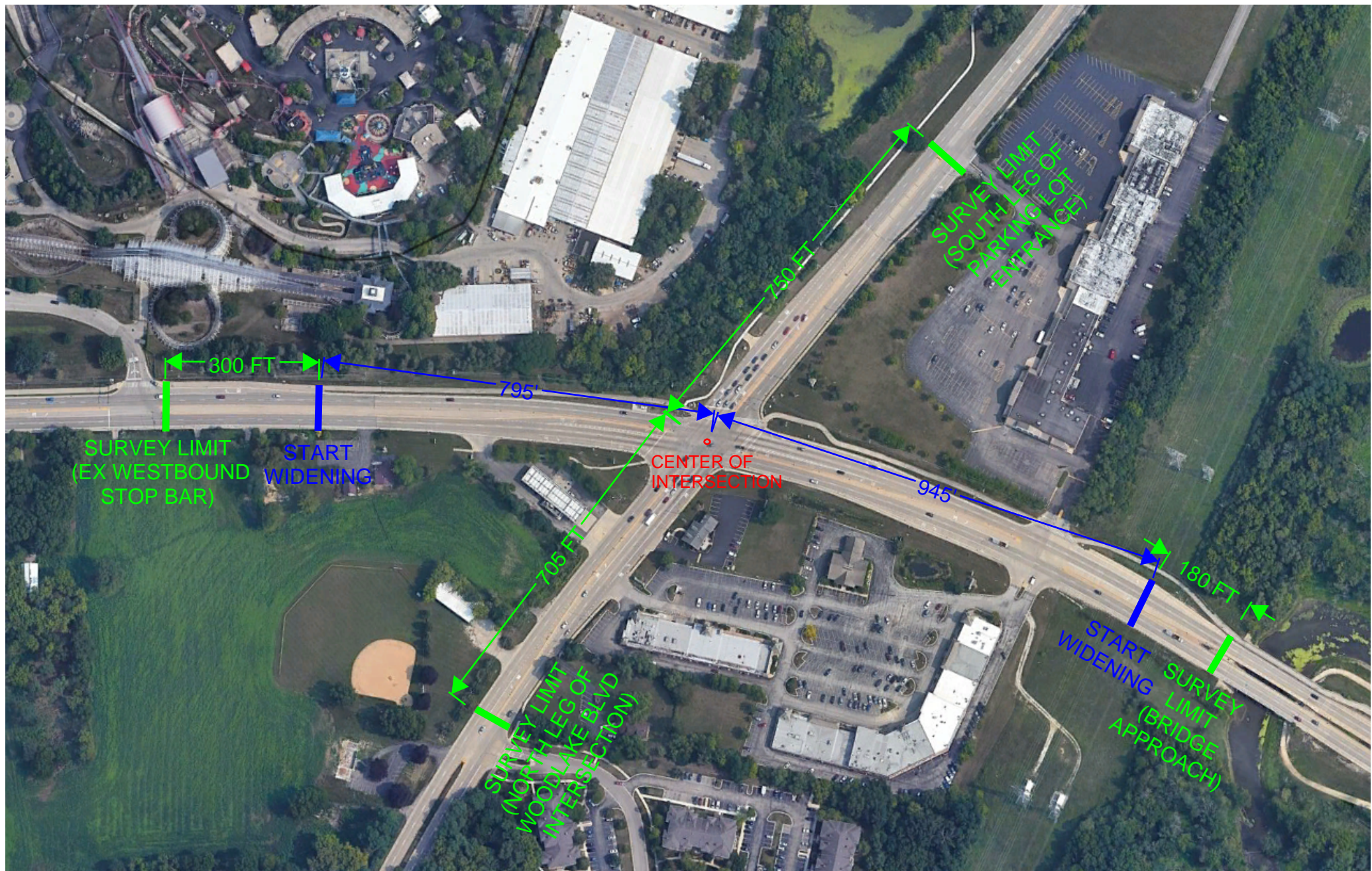
HBK will plan, attend (virtually), and lead up to one (1) joint utility coordination meeting during Phase 1 and two (2) during Phase 2 and all impacted utilities will be invited so that their relocations, if any, can be mutually coordinated.

Assumptions/Exclusions

- Quality Level A locates (potholing) is NOT included in this proposal to PARSONS. HBK can provide an hour and fee estimate to perform one (1) Quality Level A locate (potholing or otherwise exposing buried utilities) for existing utilities in the vicinity of the improvements (to be recommended by HBK and concurred by PARSONS), if requested.
- Permitting fees are NOT included in this proposal and, if assessed, shall be considered a pass-through cost to Lake County.

End of Document

INTERSECTION OF IL-21 (MILWAUKEE AVE) AND WASHINGTON ST



Local Public Agency Lake County Division of Transportation	County Lake	Section Number 22-00999-93-ES
Prime Consultant (Firm) Name Parsons	Prepared By Dan Zeman, PE CAPM	Date 5/22/2023
Consultant / Subconsultant Name HBK Engineering, LLC	Job Number 	

Note: This is name of the consultant the CECS is being completed for. This name appears at the top of each tab.

Remarks

PAYROLL ESCALATION TABLE

CONTRACT TERM	30	MONTHS	
START DATE	7/1/2023		
RAISE DATE	1/1/2024		
END DATE	12/31/2025		

OVERHEAD RATE	117.52%
COMPLEXITY FACTOR	0
% OF RAISE	2.00%

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	7/1/2023	1/1/2024	6	20.00%
1	1/2/2024	1/1/2025	12	40.80%
2	1/2/2025	1/1/2026	12	41.62%

The total escalation = 2.42%

Local Public Agency	County	Section Number
Lake County Division of Transportation	Lake	22-00999-93-ES
Consultant / Subconsultant Name		Job Number
HBK Engineering, LLC		

PAYROLL RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET FIXED RAISE

MAXIMUM PAYROLL RATE	86.00
ESCALATION FACTOR	2.42%

CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
Program Manager	\$75.12	\$76.93
Senior Project Manager	\$58.08	\$59.48
Senior Engineer	\$50.81	\$52.04
Project Manager	\$46.65	\$47.78
Engineer	\$41.02	\$42.01
Locator 3	\$26.87	\$27.52
Locator 2	\$22.99	\$23.55
Locator 1	\$22.22	\$22.76
Licensed Professional Surveyor	\$53.54	\$54.83
Analyst 1	\$28.01	\$28.69
Analyst 2	\$42.10	\$43.12
Field Lead	\$38.15	\$39.07
Field Technician	\$25.34	\$25.95
Designer 1	\$29.88	\$30.60
Designer 2	\$30.98	\$31.73
Designer 3	\$40.71	\$41.69
Permit Coordinator	\$29.32	\$30.03
Associate 1	\$32.25	\$33.03
Associate 2	\$37.85	\$38.76

Local Public Agency	County	Section Number
Lake County Division of Transportation	Lake	22-00999-93-ES
Consultant / Subconsultant Name		Job Number
HBK Engineering, LLC		

SUBCONSULTANTS

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

[illegible]

Total	0.00	0.00
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NOTE: Only subconsultants who fill out a cost estimate that splits out direct labor may be listed on this sheet.

Local Public Agency

Lake County Division of Transportation

County

Lake

Section Number

22-00999-93-ES

Consultant / Subconsultant Name

HBK Engineering, LLC

Job Number

DIRECT COSTS WORKSHEET

List ALL direct costs required for this project. Those not listed on the form will not be eligible for reimbursement by the LPA on this project.

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum			\$0.00
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day	28	\$65.00	\$1,820.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost			\$0.00
Parking	Actual Cost			\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			\$0.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)			\$0.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost			\$0.00
Lab Services	Actual Cost (Provide breakdown of each cost)			\$0.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Documentation Fees	Actual Cost	1	\$500.00	\$500.00
				\$0.00
				\$0.00
				\$0.00
TOTAL DIRECT COSTS:				\$2,320.00

BLR 05514 (Rev. 02/09/23)

DIRECT COSTS

Lake County Division of Transportation

HBK Engineering, LLC

Lake

22-00999-93-ES

Lake County Division of Transportation

HBK Engineering, LLC

Lake

22-00999-93-ES

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AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 1 **OF** 1

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			Initial Coordination / Data Collection			Utility Locating & Survey			Utility Data Base Mapping			Phase 1&2 Utility Coordination					
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Program Manager	76.93	10.0	2.44%	1.88	4	9.09%	6.99	2	1.49%	1.15	2	2.70%	2.08	2	1.27%	0.97			
Senior Project Manager	59.48	60.0	14.63%	8.70	8	18.18%	10.82	8	5.97%	3.55	8	10.81%	6.43	36	22.78%	13.55			
Senior Engineer	52.04	0.0																	
Project Manager	47.78	80.0	19.51%	9.32										80	50.63%	24.19			
Engineer	42.01	20.0	4.88%	2.05							20	27.03%	11.35						
Locator 3	27.52	0.0																	
Locator 2	23.55	0.0																	
Locator 1	22.76	0.0																	
Licensed Professional Surv	54.83	20.0	4.88%	2.67	12	27.27%	14.95	8	5.97%	3.27									
Analyst 1	28.69	0.0																	
Analyst 2	43.12	0.0																	
Field Lead	39.07	56.0	13.66%	5.34	8	18.18%	7.10	8	5.97%	2.33				40	25.32%	9.89			
Field Technician	25.95	0.0																	
Designer 1	30.60	0.0																	
Designer 2	31.73	0.0																	
Designer 3	41.69	0.0																	
Permit Coordinator	30.03	12.0	2.93%	0.88	12	27.27%	8.19												
Associate 1	33.03	54.0	13.17%	4.35				54	40.30%	13.31									
Associate 2	38.76	98.0	23.90%	9.27				54	40.30%	15.62	44	59.46%	23.05						
		0.0																	
		0.0																	
		0.0																	
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		0.0																	
		0.0																	
TOTALS		410.0	100%	\$44.46	44.0	100.00%	\$48.06	134.0	100%	\$39.24	74.0	100%	\$42.91	158.0	100%	\$48.61	0.0	0%	\$0.00

DESIGN SURVEY PROCEDURES



DESIGN SURVEY PROCEDURES (Revised 2/22/21)

HORIZONTAL ALIGNMENT

Unless otherwise specified in the services contract, the CONSULTANT is to provide the horizontal alignment. The CONSULTANT will conduct all surveying, stationing, and preparation of required plans using English units of measure and the U.S. Survey Foot. The CONSULTANT'S SURVEYOR will try to re-establish the original horizontal alignment as shown on the recorded R.O.W. plats. The CONSULTANT shall contact LCDOT's Land Surveyor to obtain R.O.W. plats and field notes before establishing the horizontal alignment and stationing. The CONSULTANT shall notify LCDOT's Surveyor immediately if the alignment cannot be reproduced or if in the CONSULTANT'S opinion the existing alignment information is in error.

The CONSULTANT'S SURVEYOR, prior to construction, shall stake the PCs, PIs, PTs, and POTs so that the alignment location can be verified before construction staking is initiated. The CONSULTANT'S SURVEYOR will provide four reference ties to all U.S. Public Land Survey Monuments that are located within the construction limits. The reference points should be located outside of the anticipated construction limits if practical, so that they can be used after construction to replace the monuments. The CONSULTANT shall record Monument Records for all Section and Quarter Section corners set or found within the construction limits.

The CONSULTANT will mark the baseline for relocated alignments when off pavement at the PCs, PTs, and POTs with iron rods. The rods shall be set one foot below the surface in farmed land. The CONSULTANT will advise the County of any pavement alignment variations. In cases where the proposed centerline of construction or survey baseline is different from the existing centerline of R.O.W., both shall be shown and the relationship between them shall be indicated on an Alignment & Tie sheet.

ALIGNMENT & TIE SHEET

An Alignment & Tie Sheet shall be provided as part of the final plans. The plans are to be prepared using English units of measure and the U.S. Survey Foot. The station, offset, and coordinates of the alignment points (PCs, PTs, PIs, and POTs) and survey control (traverse) points shall be shown. Coordinates for all projects shall be on the Illinois State Plane Coordinate System, - East zone, NAD83 (Adjustment). The grid (combination) factor for the project shall be shown. A list of traverse points with station, offset, and coordinates shall be provided.

VERTICAL ALIGNMENT

The North American Vertical Datum of 1988 (NAVD 88) shall be used for vertical control. Lake County Mapping Benchmarks are available on-line (<http://gis.lakeco.org/maps/>). NAVD88 benchmarks are available on-line from the National Geodetic Survey. LCDOT's Land Surveyor may also be contacted for benchmarks that may be in the area. The primary benchmarks and site benchmarks shall be listed and described on the Alignment & Tie Sheet. The location of the site benchmarks shall also be shown on the plan sheets with a symbol. Site benchmarks are to be located at less than 1000-foot intervals with a minimum of two (2) on each project.

All benchmarks shall be located on stable objects. LCDOT prefers these objects to be outside the construction limits. Some acceptable benchmark examples are, spikes in poles, bolts on fire hydrant rings, and concrete foundations.

TOPOGRAPHY

The CONSULTANT shall cut cross-sections on station at 50-foot intervals (i.e. XX+00.00 and XX+50.00) and at all points needing clarification. For areas of superelevation or requiring greater detail, cross-sections shall be cut on station at 25-foot intervals. The cross section interval should be defined in the engineering services contract.

Full cross-section profiles will be taken at all cross streets, alleys, cross road culverts, and entrances (commercial, private, and field). Half cross-sections will not be accepted because they skew the computer terrain model.

The CONSULTANT will locate and identify all trees (6 inches in diameter or greater) within the area either side of the centerline, defined by the proposed ROW or construction limits (whichever is greater) plus an additional 10 feet. The trees shall be identified by species and size. The trees shall be located by station/offset and have a ground elevation.

Streams, tributaries, or major drainage ditches located within a lateral distance of 250 feet from centerline (upstream and downstream) shall be surveyed. Alignment, profiles, and cross-sections shall be taken. The stream width shall be shown as the distance measured between the tops of the stream banks. Profile elevations along the bottom of the watercourse shall be taken at a minimum of 50-foot intervals.

The survey shall extend a minimum of 200 feet beyond the roadway construction limits. Cross-sections shall be taken a minimum of 10 feet beyond the proposed R.O.W. or construction limits (whichever is greater). Cross-sections will extend 30 feet beyond the proposed R.O.W. at entrances and 150 feet at minor side roads.

All survey data shall be collected in Illinois State Plane Coordinates – East Zone. The collected survey data for the existing topography shall have a minimum of 3rd Order Accuracy horizontally with readings to the nearest 0.1 feet for vertical on gravel or ground and readings to the nearest 0.01 feet for vertical on all other surfaces.

For ADA ramps: The Consultant shall not use GPS devices to collect vertical data or elevations for hard surfaces e.g. curb and gutter, sidewalk, bike paths etc.

RAILROAD INSURANCE

The CONSULTANT will comply with the railroad's requirements when conducting a survey on the railroad's R.O.W. Usually, this includes obtaining a permit, paying a fee, obtaining Railroad Protective Liability Insurance, notification of a flagman to be present near the rails during the survey operations, and any other requirements of the railroad. The CONSULTANT is responsible for all of the foregoing requirements.

DELIVERABLES

- I. Copies from the CONSULTANT'S field books, showing benchmarks, level circuits, & structure details, such as size and inverts etc.
- II. The Base Drawing at 1:1 scale. All the topographic information shall be plotted electronically. The data shall be in Illinois State Plane Coordinates – East Zone and be recorded in a MICROSTATION (dgn) format. All CAD work shall be according to LCDOT CAD Standards. ASCII files, gpk files, and/or InRoads files containing all point information as described below shall be included. A filename “ID” acronym explanation sheet shall be provided. Backup CDs shall be provided.
- III. Point Information:
 - (1) Point number
 - (2) Northing and Easting coordinate values
 - (3) "Z" elevations
 - (4) Point identification by code
 - (5) Notes

Direct Cost Subconsultant: Street Simplified



Attn:
Jeff Hall
Parsons Engineering
5/9/23

RE: Proposed Street Safety Study

Dear Jeff,

Street Simplified is pleased to offer the following proposal for professional services as discussed.

Reports, study length, and other factors can be adjusted and tailored to meet your needs per the attached pricing sheet. On the following pages you will also find our updated price sheet as well as the detailed information about the included and excluded features of the Street Safety Package.

Please keep the information in the letter confidential for internal use. If you have any questions regarding the expected services or the pricing, please do not hesitate to reach out to me.

Best Regards,
Benjamin Griffard

(314) 471-3511
ben@streetsimplified.com
Street Simplified LLC
2020 Centerline Ln
Georgetown, Tx 7868

Attachment 1: Study Proposal

Item	Number of Studies	Price per study	Total
Street Safety Analytics	1	\$5,800.00	
Total:			\$5,800.00

50% payment is due upon completion of data collection; 50% payment is due upon results delivery via the Street Simplified platform. For payments that are more than 30 days past due, a 10% surcharge for each month will be added to the total.

For projects with more than 5 locations, Street Simplified requires that at least an additional 20% alternate locations be provided. (For a 5 location study this would be 1 alternate). Street Simplified satisfies the contractual delivery requirements upon delivery of the contracted number of locations which may or may not include one or more alternate locations.

Unless otherwise agreed upon in writing, the quoted price herein is valid for a period of 90 days from the date listed in the proposal issued by Street Simplified, after which quotations will require confirmation or adjustment by Street Simplified.

Any quoted price automatically expires at the end of each calendar year, Dec 31. Price quotes and proposals from a previous calendar year will not be accepted by Street Simplified, unless otherwise expressly agreed upon in writing by an executive team member of Street Simplified, or through specific written agreement or contractual obligation, such as an On-Call Services Contract, wherein price has been previously negotiated and agreed upon for a specific amount of time and no further.

Some features may not be available at every location. This is especially true for signal state related features. See install notes on study locations once selected.

Attachment 2: Summary of Collection Locations

Count	Address of Study Location	Study Type	Install Notes
1	IL-21 & Washington St Gurnee, IL 60031	24 Hour Study	4 standard mounting locations 42° 21' 48.7476" N 87° 55' 55.2389" W

Street Simplified will collect data and provide analytics at the location(s) listed above.

The agency has the ability to choose an alternate location not listed above in lieu of any location listed above with Street Simplified approval.

Studies can be either at separate locations or “before” and “after” evaluations at the same location. “Before” and “after” evaluations count as two studies. After studies must be completed within 18 months of before evaluation.

Attachment 3: Deliverables

❖ Processing

- Video processing will be provided for the collection period. Collection periods are typically 24 hours but can range from 16 to 29 hours depending on the battery life.

❖ Street Analytics

- Turning Movement Counts
- Speed Analytics & Advanced Speed Plots
- Crosswalk Counts for Pedestrians and Cyclists
- Cyclist Turning Movement Counts

❖ Street Safety Analytics

- Near-miss Analysis - videos, filtering, conflict map with trajectories
- Speeding Analysis – vehicles traveling +10 MPH above Speed Limit
- Crossing off crosswalks – Pedestrians and Cyclists

❖ Light state Analytics

- Red-Light Running
- Crosswalk crossing on opposing green – Pedestrians & Cyclists
- Intersection blocking

❖ Platform & Exports

- Online dashboard with agency login
- CSV export options

❖ Light State Coverage Exclusion

- Signal state coverage will vary between locations. No guarantees are made with respect to signal state coverage at any location. Light State Coverage may be completely unavailable at some locations, on certain approaches, or during certain periods of the day. Signal state coverage is only available at signalized intersections.

❖ Data Quality Exclusion

- Quality of all analytics not guaranteed at night, during sunset & sunrise, or during adverse weather conditions and in cases where ideal mounting locations were not achievable. Features requiring light state are provided on a best effort basis and depend on camera placement.

Attachment 4: Schedule of Services

❖ **Order to Proceed**

❖ **Data Collection**

❖ **Platform Delivery**

- The client will be given a secure login to the platform after the data is uploaded and analyzed by the AI system. This access is granted about 30 to 60 days after data is collected.

❖ **Insight Report Delivery**

- Insight Report Delivery - After the data is on the platform, our safety team will build a safety report for the client, which is presented in a Zoom/Teams meeting about 2 weeks after the platform data is accessible.

Subconsultant:
Singh & Associates, Inc.

May 23, 2023

Lake County Division of Transportation

Scope of Services –

TRAFFIC SIGNAL DESIGN and LIGHTING DESIGN FOR

Washington Street at IL Route 21 Intersection Improvements

Singh & Associates, Inc. (SINGH), as a sub-consultant to Parsons, will be responsible for providing design engineering services related to lighting and traffic signals at Washington Street at IL Route 21 intersection improvements. This will include new roadway lighting along Washington Street and IL Route 21 approaching the intersection and will match into the existing lighting which is present. In addition, SINGH will design a traffic signal modernization at the signalized intersection of Washington Street at IL Route 21 to accommodate dual left turn lanes. SINGH will provide plans, specifications, and estimate for lighting and traffic signal design to be incorporated into bid documents prepared by Parsons. The designs will be done in accordance with the Village of Gurnee, Lake County, IDOT DISTRICT 1 GENERAL GUIDELINES FOR LIGHTING DESIGN (November 2011), IESNA standards, AASHTO, IDOT BDE manuals, and NEC.

Meetings and Coordination

SINGH staff will attend project coordination meetings as required. The following list are the meetings that are assumed for completion of the project.

1. Kick-Off meeting attended by two (2) staff members.
2. Two (2) field meetings with ComEd personnel attended by one (1) staff member.
3. Two (2) coordination meetings with Lake County and IDOT staff attended by one (1) staff member.

Data Collection

Field visits will be required to establish locations, existing conditions, and to determine an electrical service point acceptable to ComEd for both lighting and traffic signals. SINGH will perform the following data collection tasks.

1. Utility information gathering and analysis.
2. Field visit for the proposed traffic signal installation.
3. Field visit for the proposed lighting installation.

Traffic Signal Design

SINGH will prepare the plans, specifications, and quantities for permanent traffic signals at Washington Street at IL Route 21. Traffic signal design will include the following.

- Full removal of all existing traffic signal equipment and installation of new traffic signal equipment including new controller and cabinet, traffic signal heads, and posts.
- Installation of Accessible Pedestrian Signals (APS) for pedestrian crossings on all legs of each intersection.
- Installation of new light detectors and confirmation lights for emergency vehicle preemption.

- Installation of fiber optic interconnect along Washington Street between Six Flags Drive and O'Plaine Road
- Installation of fiber optic interconnect along IL Route 21 between I-94 SB Ramp and Six Flags Entrance.
- Temporary traffic signal at Washington Street and IL Route 21

The traffic signal PS&E package will include the following.

- IDOT District 1 Standard Detail Sheets
- Temporary traffic signal plan and temporary cable plan
- Traffic signal modernization plan and cable plan
- Mast arm sign detail and schedule of quantities sheet
- Temporary interconnect plan and schematic
- Permanent interconnect plan and schematic
- Specifications, special provisions, and standard drawings
- Summary of quantities
- Estimate of Cost and Production Rate

Traffic Signal PS&E package will be submitted at following milestones: preliminary, pre-final, final, and Construction Bid submittals.

Lighting Design

1. CONCEPT DESIGN

- 1.1. Conceptual design report and photometric computations, including design alternatives, cost estimate, and utility coordination for ComEd power service drop.
- 1.2. Conceptual Lighting Layout Exhibits.
- 1.3. Conceptual level cost estimate.
- 1.4. Voltage drop computations.

2. PRELIMINARY DESIGN

- 2.1. Plans
 - 2.1.1. Legend, General Notes, SOQ
 - 2.1.2. Proposed Lighting Plans
 - 2.1.3. Single line diagram
 - 2.1.4. lighting controller Detail
 - 2.1.5. Standard details
 - 2.1.6. Custom Lighting Details
- 2.2. Specifications
- 2.3. Quantities, Cost Estimate, and pay items.
- 2.4. ComEd service application and utility coordination

3. PRE-FINAL PS&E
 - 3.1. Prepare complete plans, specifications, quantities and cost estimate.
4. FINAL PS&E
 - 4.1. Prepare 100% complete plans, specifications, quantities and cost estimate.
5. CONSTRUCTION ADMINISTRATION
 - 5.1. Address RFIs and issues.

QA/QC

SINGH will perform an internal QA/QC review per the QA/QC Project Plan. The reviewer of the work will be independent of the person performing the work. QA/QC reviews will be completed before all submittals to Lake County and IDOT.

Project Management and Administration

SINGH will monitor the progress of the contract document preparation and deliverables schedule. We will coordinate with the prime consultant to complete the contract documents according to the approved scope. We will prepare a monthly progress report and invoice according to the required format. We will provide communication and coordination with the prime consultant throughout the project duration and inform the prime consultant of any financial and technical issues that may impact the project progress and the deliverables.

All other services are considered out-of-scope. SINGH shall not be obligated to provide nor entitled to compensation for any out-of-scope services, unless agreed to via supplemental agreements.

General Items and Assumptions

1. The traffic signals will be designed to conform to current Lake County and IDOT Standards.
2. The traffic signal design will include the installation of Accessible Pedestrian Signals (APS).
3. Temporary traffic signal design will assume 3 construction stages.
4. The relocation, replacement, or wiring of any equipment mounted to existing or proposed light or signal poles is considered out of scope.
5. All submittals will be electronic. No paper copies will be provided.
6. Accurate “as built” record drawings will be provided by Lake County to ensure comprehensive plan accuracy.
7. A topographic survey and proposed geometric design, including ADA ramps, will be provided to SINGH.

May 23, 2023

Lake County Division of Transportation

SINGH Hours Estimate

TRAFFIC SIGNAL DESIGN AND LIGHTING DESIGN FOR

Washington Street at IL Route 21 Intersection Improvements

Item	Hours	No. of Items	Total
<u>Meetings and Coordination</u>			
Kick-Off Meeting	2	1	2
ComEd Meeting	2	1	2
Lake County/IDOT Meeting	2	1	2
Total Meetings and Coordination Hours			6
<u>Data Collection</u>			
Utility Gathering	2	1	2
Traffic Signal Field Visit	6	1	6
Lighting Field Visit	8	1	8
Total Data Collection Hours			16
<u>Traffic Signal Design</u>			
IDOT District 1 Standard Detail Sheets	4	1	4
Temporary Traffic Signal and Removal Plan	20	1	20
Temporary Traffic Signal Plan - Additional MOT Stages	12	2	24
Temporary Cable Plan	12	1	12
Traffic Signal Modernization Plan	20	1	20
Cable Plan	12	1	12
Mast Arm Signs and Schedule of Quantities Plan	4	1	4
Temporary Interconnect Plan	16	4	64
Temporary Interconnect Schematic	16	1	16
Interconnect Plan	16	4	64
Interconnect Schematic	16	1	16
Specifications, Special Provisions, and Standard Drawings	16	1	16
Summary of Quantities/Estimate of Cost	8	1	8
Total Traffic Signal Design Hours			280
<u>Lighting Design</u>			
CONCEPT DESIGN			
Existing Lighting assesment	14	1	14
Conceptual design report and photometric computations	16	1	16
Conceptual Lighting Layout Exhibits	12	1	12
Conceptual level cost estimate	4	1	4
Voltage drop computations	4	1	4
PRELIMINARY DESIGN			
PLANS			
Legend, General Notes, SOQ	12	1	12
Proposed Lighting Plans	32	1	32
Single line diagram	12	1	12

May 23, 2023

Lake County Division of Transportation

SINGH Hours Estimate

TRAFFIC SIGNAL DESIGN AND LIGHTING DESIGN FOR

Washington Street at IL Route 21 Intersection Improvements

Item	Hours	No. of Items	Total
Light Pole, Foundation and miscellaneous detail	4	1	4
Specifications	12	1	12
Quantities, Cost Estimate, and Pay items	20	1	20
ComEd Coordination and service application	16	1	16
PRE-FINAL PS&E			
95% complete Lighting Plans	24	1	24
95% complete Specifications	6	1	6
95% complete Quantities, Cost Estimate, and Pay items	14	1	14
FINAL PS&E			
100% complete Lighting Plans	18	1	18
100% complete Specifications	4	1	4
100% complete Quantities, Cost Estimate, and Pay items	8	1	8
Constriction Administration	12	1	12
Total Lighting Design Hours			244
QA/QC and Project Management			
QA/QC	24	1	24
Project Management	24	1	24
Total Lighting Design Hours			48
Total Project Hours			594



EXHIBIT D
COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET
FIXED RAISE

Local Public Agency	County	Section Number
Lake County Division of Transportation	Lake	22-00999-93-ES
Prime Consultant (Firm) Name	Prepared By	Date
SINGH + Associates	Gregory Gedemer	5/23/2023
Consultant / Subconsultant Name	Job Number	

Note: This is name of the consultant the CECS is being completed for. This name appears at the top of each tab.

Remarks

PAYROLL ESCALATION TABLE

CONTRACT TERM	30	MONTHS	OVERHEAD RATE	172.08%
START DATE	7/1/2023		COMPLEXITY FACTOR	0
RAISE DATE	1/1/2024		% OF RAISE	2.00%
END DATE	12/31/2025			

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	7/1/2023	1/1/2024	6	20.00%
1	1/2/2024	1/1/2025	12	40.80%
2	1/2/2025	1/1/2026	12	41.62%

Section Number

22-00999-93-ES

Job Number

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET FIXED RAISE

MAXIMUM PAYROLL RATE	86.00
ESCALATION FACTOR	2.42%

[illegible]

Local Public Agency

Lake County Division of Transportation

County

Lake

Section Number

22-00999-93-ES

Consultant / Subconsultant Name**Job Number****DIRECT COSTS WORKSHEET**

List ALL direct costs required for this project. Those not listed on the form will not be eligible for reimbursement by the LPA on this project.
EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum	200	\$0.66	\$131.00
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day	8	\$65.00	\$520.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost			\$0.00
Parking	Actual Cost			\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			\$0.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)			\$0.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost			\$0.00
Lab Services	Actual Cost (Provide breakdown of each cost)			\$0.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
TOTAL DIRECT COSTS:				\$651.00

Lake County Division of Transportation

Lake

22-00999-93-ES

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EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

COMPLEXITY FACTOR 0

95,480

COST EST

Lake County Division of Transportation

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Lake

22-00999-93-ES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 1 **OF** 1

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			Meetings and Coordination			Data Collection			Traffic Signal Design			Lighting Design			QA/QC and 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
Principal	86.00	28.0	4.71%	4.05	2	33.33%	28.67				2	0.71%	0.61				24	50.00%	43.00
Engineer V	84.80	59.0	9.93%	8.42	2	33.33%	28.27				4	1.43%	1.21	29	11.89%	10.08	24	50.00%	42.40
Engineer IV	73.46	50.0	8.42%	6.18	2	33.33%	24.49	4	25.00%	18.37	44	15.71%	11.54						
Engineer III	62.78	161.0	27.10%	17.02				6	37.50%	23.54	80	28.57%	17.94	75	30.74%	19.30			
Engineer II/Designer III	55.23	156.0	26.26%	14.51				6	37.50%	20.71	80	28.57%	15.78	70	28.69%	15.85			
Engineer I/Designer II	37.74	140.0	23.57%	8.90							70	25.00%	9.44	70	28.69%	10.83			
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TOTALS		594.0	100%	\$59.08	6.0	100.00%	\$81.42	16.0	100%	\$62.62	280.0	100%	\$56.52	244.0	100%	\$56.05	48.0	100%	\$85.40

Subconsultant:

GZA Geoenvironmental, Inc.

DBA Huff & Huff, Inc.



A Subsidiary of GZA

GEOTECHNICAL
ENVIRONMENTAL
ECOLOGICAL
WATER
CONSTRUCTION
MANAGEMENT

915 Harger Road
Suite 330
Oak Brook, IL 60523
T: 630.684.9100
F: 630.928.0709
www.huffnhuff.com
www.gza.com

May 22, 2023

Mr. Jeffrey Hall, P.E.
PARSONS
10 South Riverside, Suite 400
Chicago, Illinois 60606

Via Email: Jeffrey.Hall@parsons.com

**Re: Lake County Division of Transportation
Washington at IL 21 Phase I/II Preliminary Engineering Study
Intersection Improvement
Section 22-00999-93-ES
Gurnee, Lake County, Illinois
Proposal No. 81.P013030.24 (Revised)**

Dear Mr. Hall:

Huff & Huff, Inc., a subsidiary of GZA GeoEnvironmental, Inc. (H&H/GZA), is pleased to submit this proposal to PARSONS (Client) to provide environmental services for the Lake County Division of Transportation (LCDOT) proposed Washington Street/IL 21 Intersection Improvement Project located in Gurnee, Lake County, Illinois.

The H&H/GZA proposed scope of work includes tasks for completing a wetland and waterway delineation services and the completion of a Preliminary Environmental Site Assessment (PESA) and Preliminary Site Investigation/CCDD (PSI). This proposal presents our Project Understanding, Scope of Services, Level of Effort, Cost, and Schedule.

1. PROJECT UNDERSTANDING

The Client is preparing a Phase I and Phase II scope of work for the proposed intersection improvement of Washington Street at Illinois Route 21 in Gurnee. The improvement of the intersection is proposed to enhance traffic flow. The Phase I Preliminary Engineering Study and Phase II Design will be completed in accordance with the Illinois Department of Transportation of Transportation's (IDOT) Bureau of Local Roads & Streets Policies & Procedures for improvements at the intersection.

H&H/GZA understands the project limits to include the existing roadway right-of-way (ROW) of both Washington Street and IL 21.

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

- As this project will be processed through LCDOT (no federal funds), but the biological and cultural clearances will be made available through the IDOT Environmental Survey Request process.
- H&H/GZA will complete field delineations of all wetlands and Waters of the United States (WOUS) within the project limits, 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.
- All fees associated with obtaining wetland banking credits are not included in this scope of services and are the responsibility of the County. It is anticipated that wetland mitigation will be provided through LCDOT's credits in the Buffalo Creek Wetland Bank.



- Wetland permitting will be included in Phase II.
- PSI sampling activities will be conducted over a one-day period as part of a single mobilization.

2. SCOPE OF SERVICES

Task 1: Wetland and Waterway Delineation

H&H/GZA understands that regulated wetlands are potentially located within or adjacent to the project limits. H&H/GZA proposes to conduct a wetland and surface water delineation in accordance with:

- The February 25, 2022, edition of the USACE Chicago District Nationwide Permit (NWP) Program;
- 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 (USFWS), 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)

H&H/GZA proposes to conduct on-site investigations of all potential wetlands and waterways within the project limits as well as confirm the absence of wetlands if none are present. Proposed services include the identification and delineation of 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. GZA will flag wetland boundaries in accordance with the WDO. Wetland boundaries will be flagged in the field and will be surveyed by others.

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. GZA will not provide shapefiles of the wetland and waterway boundaries. 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 NRCS no longer conducts farmed wetland determinations for areas of agricultural conversion. As agricultural land is not present within the project limits, conducting a Farmed Wetland Determination (FWD) is not included in the scope.

Any impacts to wetlands or waterways will require permits. H&H/GZA understands that wetland permitting will take place during Phase II.

Task 3: Preliminary Jurisdictional Determination/Boundary Verification

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 modified 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 and are the responsibility of the County.

Task 4: Wetland Impact Evaluation

This task includes completing IDOT's Wetland Impact Evaluation (WIE) form, which is required for a complete ESR submittal. H&H/GZA will complete the WIE form using wetland impacts as calculated by the Client.

Task 5: PESA

H&H/GZA will conduct a Preliminary Environmental Site Assessment (PESA) for the local road portions of the Project Corridor. A Preliminary Site Investigation (PSI) and CCDD coordination will be conducted in a future Phase II contract and is included as part of this scope. A PSI may not be needed depending on the findings of the PESA.

This PESA process will follow general protocols contained within:

- A Manual for Conducting Preliminary Environmental Site Assessments for Illinois Department of Transportation (IDOT) Highway Projects (Erdmann et al., 2012);
- ASTM International (ASTM) standard 1527-13;
- IDOT Bureau of Design and Environment (BDE) Procedure Memorandum Number 10-07, Special Waste Procedures. This memo was incorporated into Chapter 27-3 of the IDOT BDE Manual in June 2012;
- IDOT Bureau of Local Roads and Streets (BLRS) Manual, Chapter 20-12, Special Waste, July 2013;
- Public Act 96-1416; and
- Clean Construction or Demolition Debris (CCDD) Fill Operations and Uncontaminated Soil Fill Operations: Amendments to 35 Illinois Administrative Code 1100, effective August 27, 2012.

A. Historical Research

The Project Corridor historical land use/ownership record will be developed from standard historical sources. Historic aerial photographs will be reviewed to identify land use over time and potential areas of environmental concern, such as areas of surface disturbance and outside storage.



B. Site Evaluation

Current environmental features and conditions of sites adjacent to the Project Corridor will be evaluated. A site walkover of potential areas designated for excavation and/or acquisition will be conducted for first-hand evaluation of current environmental conditions within the Project Corridor. All the features and conditions listed above will be investigated and, as appropriate, documented in photographs. The land-use and housekeeping practices of adjacent properties will also be evaluated in accordance with ASTM protocols.

C. Records Review

A records review will be conducted to determine potential environmental concerns within the Project Corridor. This will include a search of standard state and federal environmental record databases in accordance with the specifications of ASTM standards. This search is based on the limits of the Project Corridor. Specifically, H&H/GZA will search each database to identify any potential sources requiring further investigation. As appropriate, Freedom of Information Act (FOIA) requests will be filed with the Illinois Environmental Protection Agency (IEPA) to obtain additional data pertaining to identified sites.

D. Report Preparation

A PESA Report summarizing the results of the evaluation will be prepared. The following information will be included in this report:

- The project location and description;
- Historical uses of Project Corridor;
- The area geology and hydrology;
- The environmental status of sites adjacent to the Project Corridor regarding chemical use and storage, underground and aboveground storage tanks, solid waste, special waste, hazardous waste, and PCBs;
- An analysis of the site inspection; and
- A summary of the findings regarding environmental concerns. The Potentially Impacted Properties (PIPs) will be assessed, per Subpart F, Section 1100, 35 IAC, related to CCDD management and in general conformation with IDOT memoranda.

Task 6: Preliminary Site Investigation (PSI) with LPC663 CCDD Documentation

A. Soil Borings and Soil Sampling

It is anticipated that up to one (1) day of field effort and one (1) mobilization will be required with up to ten (10) soil borings completed, assumed with the aid of a drilling (GeoProbe) subcontractor and traffic control services for work completed along Washington Street. The borings will be advanced and soil samples collected for laboratory analysis to address sites identified as RECs/PIPs and for additional project coverage of non-REC/PIP for soil disposal considerations, specifically at locations identified for proposed excavation. The depths of the soil borings are dependent upon design details to account for depths of proposed disturbance. Currently it is estimated that ten (10) of the borings associated with roadway reconstruction, sidewalk improvements, and utility improvements will be advanced to 10-feet below ground surface (bgs). Samples will be collected in 2- to 5-foot intervals for field screening and select samples prepared for laboratory analysis as discussed below.

Task also assumes a site visit to place markings at proposed boring locations as well as an additional trip to assess utility markings prior to the drilling mobilization.



B. Analytical

A total of ten (10) soil boring locations are proposed and we anticipate analyzing one (1) sample in each of the ten (10) borings, for a total of up to ten (10) samples to be analyzed for the contaminants of concern (COCs) per IDOT protocol, which include:

- 22 Total metals (Target Analyte List (TAL) minus Aluminum)
- SPLP/TCLP Metals (8 RCRA and Be, Co, Cu, Fe, Mn, Ni, and Zn)
- Volatile organic compounds (VOCs)
- Semi-volatile organic compounds (SVOCs)
- Soil pH

C. PSI Report Preparation

A report summarizing the results of the soil and sediment sample collection activities and analytical results will be prepared. This document will present information pertinent for the bidding documents regarding conditions of soils tested, handling and final disposition considerations.

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, H&H/GZA will prepare the LPC-663 document that will be signed/stamped by the H&H/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. H&H/GZA will coordinate with at least three CCDD facilities to seek a review and if acceptable, provide pre-authorization letters for inclusion in the bidding documents, including Thelen Sand & Gravel.

Task 7: Phase II Wetland/Waters Permitting

USACE Chicago District, Section 404 Permitting

It is anticipated that the proposed project may not impact jurisdictional wetlands and/or waterways identified within Task 1; however, if regulatory wetlands are present and potentially impacted, H&H/GZA will complete and submit the Joint Application or Pre-Construction Notification form and other necessary information to obtain USACE Chicago District authorizations for impacts to USACE jurisdictional wetlands and/or waterways. The Joint Application or Pre-Construction Notification form will be submitted by H&H/GZA to the USACE electronically and paper copies will not be provided.

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

If impacts were to 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 Program. 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 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, if needed.

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



- U.S. Fish and Wildlife Service (USFWS);
- 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).

The biological and cultural clearances will be obtained through IDOT. These clearances will be used in the permit development. 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 USFWS or IDNR require additional surveys for listed species or their habitats, a separate cost estimate will be prepared based on the type of species that are being investigated.

Lake County Stormwater Management Commission Permitting:

If the USACE does not take jurisdiction over a specific wetland, any work that includes dredge or fill of the wetland in question, or significantly alters drainage, will be regulated by the Lake County SMC. The Lake County SMC regulates isolated wetlands that are not subject to Section 404 regulations. Therefore, permitting activities may be required through SMC. H&H/GZA will coordinate with Lake County SMC for potential impacts to isolated wetlands.

Time under this task only includes the wetland aspect of permitting through Lake County. This scope does not include permits for impacts to floodplains, floodways and/or stormwater permitting through Lake County SMC.

Because of the potential varying costs, permitting fees will be paid by LCDOT directly to SMC. Time under this task includes one pre-application meeting with the Lake County SMC, if needed.

Time under this task includes QA/QC of Lake County SMC permitting documents. H&H/GZA will coordinate with PARSONS on the submittal of all permit packages to the regulatory agencies.

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/Project Management

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.



May 10, 2023 Revised May 22, 2023

Parsons

LCDOT – Washington Street/IL 21 Phase I/Phase II Engineering Study

Proposal No. 81.p013030.24

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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 as soon as possible during the growing season, which is between approximately May 15th and October 1st, with an anticipated completion of the Wetland Delineation Report within four weeks of field work. PESA work would commence within ten business days of authorization to proceed, or as requested by Client. The target completion date would be eight weeks from the date of the authorization to proceed. The PSI testing will commence upon notice from Client and we anticipate a target completion date of ten weeks from the date of approval. Completion of the PJD/BV and permitting services are dependent on Client need and schedules. If an expedited schedule is necessary, H&H/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.

4. PROPOSAL ACCEPTANCE

Conditions of Engagement

The conditions of engagement are described in the attached Terms and Conditions for Professional Services. H&H/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 H&H/GZA. H&H/GZA would be pleased to discuss the conditions associated with any additional dissemination, use, or reliance by other parties.

H&H/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, H&H/GZA will notify Client of that Force Majeure event.



May 10, 2023 Revised May 22, 2023

Parsons

LCDOT – Washington Street/IL 21 Phase I/Phase II Engineering Study

Proposal No. 81.p013030.24

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Acceptance

This agreement may be accepted by signing in the appropriate space below and returning one complete copy to H&H/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) 684-4411 with any questions.

Very truly yours,

Huff & Huff, Inc./GZA, Inc.

Jim Novak, 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.



Local Public Agency LCDOT	County Lake	Section Number 22-00999-93-ES
Prime Consultant (Firm) Name Parsons	Prepared By J. Novak	Date 5/9/2023
Consultant / Subconsultant Name Huff & Huff/GZA	Job Number 	

Note: This is name of the consultant the CECS is being completed for. This name appears at the top of each tab.

Remarks

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PAYROLL ESCALATION TABLE

CONTRACT TERM	30	MONTHS	OVERHEAD RATE	190.00%
START DATE	7/1/2023		COMPLEXITY FACTOR	0
RAISE DATE	3/1/2024		% OF RAISE	2.00%
END DATE	12/31/2025			

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	7/1/2023	3/1/2024	8	26.67%
1	3/2/2024	3/1/2025	12	40.80%
2	3/2/2025	1/1/2026	10	34.68%

Local Public Agency	County	Section Number
LCDOT	Lake	22-00999-93-ES
Consultant / Subconsultant Name		Job Number
Huff & Huff/GZA		

PAYROLL RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET FIXED RAISE

MAXIMUM PAYROLL RATE	86.00
ESCALATION FACTOR	2.15%

CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
Associate Principal III	\$78.95	\$80.64
Associate Principal II	\$72.15	\$73.70
Associate Principal I	\$68.96	\$70.44
Senior Consultant II	\$78.93	\$80.62
Senior Consultant I	\$43.23	\$44.16
Senior Project Manager III	\$68.98	\$70.46
Senior Project Manager II	\$57.05	\$58.27
Senior Project Manager I	\$53.92	\$55.08
Senior Landscape Architect	\$59.54	\$60.82
Senior Planning PM	\$56.62	\$57.84
Senior Technical Specialist I	\$55.05	\$56.23
Senior Scientist PM II	\$57.08	\$58.31
Senior Technical Scientist	\$54.50	\$55.67
Scientist PM II	\$50.19	\$51.27
Scientist PM I	\$42.33	\$43.24
Assistant PM Scientist	\$37.61	\$38.42
Environmental Engineer PM II	\$49.99	\$51.06
Environmental Engineer PM I	\$45.00	\$45.97
Geotechnical Engineer PM I	\$48.28	\$49.32
Assistant PM Engineer I	\$44.19	\$45.14
Engineer II	\$30.25	\$30.90
Engineer I	\$33.35	\$34.07
Scientist S1	\$31.72	\$32.40
Technical Graphics Technician	\$25.96	\$26.52
Administrative Manager	\$48.89	\$49.94
Senior Administrative Assistant	\$34.50	\$35.24
Lead Word Processor	\$42.39	\$43.30

Local Public Agency

LCDOT

County

Lake

Section Number

22-00999-93-ES

Consultant / Subconsultant Name

Huff & Huff/GZA

Job Number**DIRECT COSTS WORKSHEET**

List ALL direct costs required for this project. Those not listed on the form will not be eligible for reimbursement by the LPA on this project.
EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum	700	\$0.66	\$458.50
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day			\$0.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost	20	\$3.50	\$70.00
Parking	Actual Cost			\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			\$0.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)			\$0.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)	1	\$2,650.00	\$2,650.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost			\$0.00
Lab Services	Actual Cost (Provide breakdown of each cost)	10	\$740.00	\$7,400.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Drilling Sub-Contractor	Actual Cost	1	\$3,200.00	\$3,200.00
Database and Aerial Package	Actual Cost	1	\$275.00	\$275.00
PID	Actual Cost	1	\$100.00	\$100.00
GPS	Actual Cost			\$0.00
TOTAL DIRECT COSTS:				\$14,153.50

Local Public Agency

LCDOT

County

Lake

Section Number

22-00999-93-ES

Consultant / Subconsultant Name

Huff & Huff/GZA

Job Number

COST ESTIMATE WORKSHEET

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

OVERHEAD RATE 190.00%

COMPLEXITY FACTOR 0

TASK	DIRECT COSTS (not included in row totals)	STAFF HOURS	PAYROLL	OVERHEAD & FRINGE BENEFITS	FIXED FEE	SERVICES BY OTHERS	TOTAL	% OF GRAND TOTAL
Wetland/Waterway delineation	79	15	556	1,056	183	0	1,795	3.17%
Wetland Report	0	37	1,513	2,875	499	0	4,887	8.63%
Preliminary JD/Boundary Verification	79	8	381	725	126	0	1,232	2.18%
Wetland Impact Evaluation	0	4	173	329	57	0	559	0.99%
PESA	359	50	1,851	3,517	611	0	5,979	10.56%
PSI/CCDD	13,557	77	3,065	5,824	1,011	0	9,900	17.49%
7.A USACE Permitting	0	66	2,837	5,390	936	0	9,163	16.19%
7.B Lake County SMC	80	39	1,696	3,222	560	0	5,478	9.68%
8. QA/QC	0	10	689	1,310	228	0	2,227	3.93%
9. Project Management	0	6	381	724	126	0	1,231	2.17%
			-	-	-		-	
			-	-	-		-	
Subconsultant DL							\$0.00	
Direct Costs Total ==>	\$14,153.50						\$14,153.50	25.00%
TOTALS		312	13,142	24,972	4,337	-	56,605	100.00%

38,114

Local Public Agency

LCDOT

County

Lake

Section Number

22-00999-93-ES

Consultant / Subconsultant Name

Huff & Huff/GZA

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 1 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			Wetland/Waterway delineation			Wetland Report			Preliminary JD/Boundary Verification			Wetland Impact Evaluation			PESA		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Associate Principal III	80.64	0.0																	
Associate Principal II	73.70	13.0	4.17%	3.07													1	2.00%	1.47
Associate Principal I	70.44	4.0	1.28%	0.90													2	4.00%	2.82
Senior Consultant II	80.62	0.0																	
Senior Consultant I	44.16	0.0																	
Senior Project Manager III	70.46	0.0																	
Senior Project Manager II	58.27	0.0																	
Senior Project Manager I	55.08	18.0	5.77%	3.18				3	8.11%	4.47	3	37.50%	20.65						
Senior Landscape Architect	60.82	0.0																	
Senior Planning PM	57.84	3.0	0.96%	0.56															
Senior Technical Specialist I	56.23	0.0																	
Senior Scientist PM II	58.31	0.0																	
Senior Technical Scientist	55.67	0.0																	
Scientist PM II	51.27	0.0																	
Scientist PM I	43.24	141.0	45.19%	19.54	7	46.67%	20.18	26	70.27%	30.38	5	62.50%	27.02	4	100.00%	43.24	5	10.00%	4.32
Assistant PM Scientist	38.42	58.0	18.59%	7.14													4	8.00%	3.07
Environmental Engineer PM II	51.06	0.0																	
Environmental Engineer PM I	45.97	0.0																	
Geotechnical Engineer PM I	49.32	0.0																	
Assistant PM Engineer I	45.14	0.0																	
Engineer II	30.90	0.0																	
Engineer I	34.07	40.0	12.82%	4.37													32	64.00%	21.80
Scientist S1	32.40	9.0	2.88%	0.93	7	46.67%	15.12	2	5.41%	1.75									
Technical Graphics Technician	26.52	18.0	5.77%	1.53	1	6.67%	1.77	6	16.22%	4.30							4	8.00%	2.12
Administrative Manager	49.94	0.0																	
Senior Administrative Assistant	35.24	8.0	2.56%	0.90													2	4.00%	1.41
Lead Word Processor	43.30	0.0																	
TOTALS		312.0	100%	\$42.13	15.0	100.00%	\$37.07	37.0	100%	\$40.90	8.0	100%	\$47.68	4.0	100%	\$43.24	50.0	100%	\$37.02

Local Public Agency

LCDOT

County

Lake

Section Number

22-00999-93-ES

Consultant / Subconsultant Name

Huff & Huff/GZA

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 2 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	PSI/CCDD			7.A USACE Permitting			7.B Lake County SMC			8. QA/QC			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
Associate Principal III	80.64																		
Associate Principal II	73.70	1	1.30%	0.96							7	70.00%	51.59	4	66.67%	49.13			
Associate Principal I	70.44	2	2.60%	1.83															
Senior Consultant II	80.62																		
Senior Consultant I	44.16																		
Senior Project Manager III	70.46																		
Senior Project Manager II	58.27																		
Senior Project Manager I	55.08				6	9.09%	5.01	6	15.38%	8.47									
Senior Landscape Architect	60.82																		
Senior Planning PM	57.84										3	30.00%	17.35						
Senior Technical Specialist I	56.23																		
Senior Scientist PM II	58.31																		
Senior Technical Scientist	55.67																		
Scientist PM II	51.27																		
Scientist PM I	43.24	20	25.97%	11.23	48	72.73%	31.45	24	61.54%	26.61				2	33.33%	14.41			
Assistant PM Scientist	38.42	40	51.95%	19.96	8	12.12%	4.66	6	15.38%	5.91									
Environmental Engineer PM II	51.06																		
Environmental Engineer PM I	45.97																		
Geotechnical Engineer PM I	49.32																		
Assistant PM Engineer I	45.14																		
Engineer II	30.90																		
Engineer I	34.07	8	10.39%	3.54															
Scientist S1	32.40																		
Technical Graphics Technician	26.52	4	5.19%	1.38	2	3.03%	0.80	1	2.56%	0.68									
Administrative Manager	49.94																		
Senior Administrative Assistant	35.24	2	2.60%	0.92	2	3.03%	1.07	2	5.13%	1.81									
Lead Word Processor	43.30																		
TOTALS		77.0	100%	\$39.81	66.0	100%	\$42.98	39.0	100%	\$43.48	10.0	100%	\$68.94	6.0	100%	\$63.55	0.0	0%	\$0.00



TERMS AND CONDITIONS FOR PROFESSIONAL SERVICES

© 2023 by Huff & Huff, Inc., a Subsidiary of GZA GeoEnvironmental, Inc.

Client ("You"):
Proposal No:
Site:

These Terms and Conditions, together with Huff & Huff, Inc.'s (H&H's) Proposal, make up the Agreement between H&H and you, Client, named above.

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 H&H.

1. **Services.** H&H will perform the services set forth in its Proposal and any amendments or change orders authorized by you (the "Services"). Any request or direction from you that would require extra work or additional time for performance or would result in an increase in H&H's costs will be the subject of a negotiated amendment or change order.
2. **Standard of Care; Warranties.**
 - a. H&H will perform professional 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.
 - c. **EXCEPT AS SET FORTH IN SUBSECTIONS 2a ABOVE, NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING WARRANTY OF MARKETABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS MADE OR INTENDED BY H&H'S PROPOSAL OR BY ANY OF H&H'S ORAL OR WRITTEN REPORTS.**
 - d. H&H 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 H&H 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 H&H's Proposal shall be due prior to the start of Services and will be applied to the final invoice for Services.
 - c. H&H will submit invoices periodically, and payment will be due within 20 days from invoice date. Overdue payments will bear interest at 1½ percent per month or, if lower, the maximum lawful rate. H&H may terminate the 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 H&H's costs of collecting overdue invoices, including reasonable attorneys' fees (including costs for time expended by in-house counsel, which will be charged to you at the prevailing market rate for attorneys of similar experience practicing in the jurisdiction).
4. **Your Responsibilities.**
 - a. Except as otherwise agreed in writing, you will secure the access agreements, approvals, permits, licenses and consents necessary for performance of the Services. If you are the owner or operator of the Site, you will provide H&H 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 (including, if applicable, asbestos containing materials ("ACM")) 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 H&H. Unless otherwise indicated in writing, H&H will be entitled to rely on documents and information you provide.
 - b. If you use the services of a contractor or 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 defend, indemnify and hold harmless, to the fullest extent permitted by law, you and H&H and its officers, directors, members, partners, agents, employees, and subconsultants (the "H&H Indemnitees"), 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 H&H as additional insureds under general liability and builder's risk insurance coverages maintained by the contractor, or any of its subcontractors, and to ensure that such policies are primary and noncontributory with regard to the above indemnity obligations; 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 (but in any event prior to the commencement of the Services) notify H&H and H&H 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 H&H 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 H&H to enter the Site and perform the Services; you will provide reasonable verification on request; and you will indemnify the H&H Indemnitees for any claims by the Site owner related to alleged trespass by H&H or its subcontractors. Although H&H will exercise reasonable care to limit damage to landscaping, paving, systems and structures at the Site, you acknowledge that some damage may occur even with the exercise of due care and you agree to compensate H&H for any restoration it is asked to perform, unless otherwise indicated in the Proposal.
6. **Underground Facilities.** H&H's only responsibility under this Agreement 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 H&H with respect to personal injury and property damages due to H&H'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 H&H; 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 H&H 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 H&H is directly related to the accuracy and completeness of the information and data that you furnish to H&H. **H&H'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 H&H. YOU SHALL INDEMNIFY AND HOLD HARMLESS THE H&H INDEMNITEES FROM ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING ATTORNEYS' FEES, ARISING OUT OF OR RESULTING FROM ANY USE, REUSE, OR MODIFICATION OF THE DOCUMENTS WITHOUT WRITTEN VERIFICATION, COMPLETION, OR ADAPTATION BY H&H AND SUCH LIMITED LICENSE TO YOU SHALL NOT CREATE ANY RIGHTS IN THIRD PARTIES.**
- 8. Lab Tests and Samples.** H&H is entitled to rely on the results of laboratory tests using generally accepted methodologies. H&H 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 H&H for storage and/or shipping beyond 30 days.
- 9. H&H Professionals.** H&H employees or consultants may act as licensed, certified or registered professionals (including but not limited to Professional Engineers, Licensed Site or Environmental Professionals, Certified Hazardous Materials Managers,, or Certified Industrial Hygienists collectively referred to in this section as "H&H 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 H&H or other contractor/consultant(s), which audit may require additional Services, even though H&H and such H&H Professionals have each performed such Services in accordance with the standard of care set forth herein. You agree to compensate H&H 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; H&H "Not a Generator".** Before any hazardous or contaminated materials, including, if applicable, ACMs (the "Wastes") are removed from the Site, you will sign manifests naming you as the generator of the Wastes (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 Wastes are taken. H&H will not be the generator or owner of, nor will it possess, take title to, or assume legal liability for any Wastes at or removed from the Site. H&H will not have responsibility for or control of the Site or of operations or activities at the Site other than its own. H&H will not undertake, arrange for or control the handling, treatment, storage, removal, shipment, transportation or disposal of any Wastes at or removed from the Site, other than any laboratory samples it collects or tests. You agree to defend, indemnify and hold the H&H Indemnitees harmless for any costs or liability incurred by H&H in defense of or in payment for any legal actions in which it is alleged that H&H is the owner, generator, treater, storer or disposer of any Wastes.
- 11. Limits on H&H's Responsibility.** H&H will not be responsible for the acts or omissions of contractors or others at the Site, except for its own subcontractors and employees. H&H will not supervise, direct or assume control over or the authority to stop any contractor's work, nor shall H&H's professional activities nor the presence of H&H or its employees and subcontractors be construed to imply that H&H 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 H&H 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.**
- You recognize the uncertainties related to the Services (including, without limitation, 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.
 - If changed or unanticipated conditions or delays make additional Services necessary or result in additional costs or time for performance, H&H will notify you and the parties will negotiate appropriate changes to the scope of Services, compensation and schedule.
 - If no agreement can be reached, H&H will be entitled to terminate the Services and to be equitably compensated for the Services already performed. H&H 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 H&H's reasonable control, and you will compensate H&H for any resulting increase in its costs.
- 13. Documents and Information.** All documents, data, calculations and work papers prepared or furnished by H&H are instruments of service and will remain H&H's property. Designs, reports, data and other work product delivered to you are for your use only, for the limited purposes disclosed to H&H. 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 H&H. Any technology, methodology or technical information learned or developed by H&H will remain its property. Provided H&H is not in default under this Agreement, H&H'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 H&H, you covenant and agree that all such electronic files are instruments of service of H&H, 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 H&H 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 H&H will be at the user's sole risk and without any liability to H&H.
- 15. Confidentiality; Subpoenas.** Information about this Agreement and H&H's Services and information you provide to H&H 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 H&H reasonably believes is necessary: (a) to perform the Services; (b) to comply with professional standards to protect public health, safety and the environment; and (c) to comply with laws, regulations, court orders and professional obligations. H&H 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 H&H 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, H&H will maintain workers' compensation, commercial general liability, automobile liability, and professional liability/contractor's pollution liability insurance. H&H will furnish you certificates of such insurance on request.

17. Indemnification. You agree to hold harmless, indemnify, and defend the H&H Indemnitees 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 H&H'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 H&H and its affiliates and subcontractors and their employees, officers, directors and agents (collectively referred to in this paragraph as "H&H") 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 H&H 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 written notice of such claim is received by H&H within one year of substantial completion of the Services.
- d. H&H 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. H&H will not be liable to you or the Site owner for injuries or deaths suffered by H&H's or its subcontractors' employees.
- f. You will look solely to H&H 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 H&H principal, officer, employee or agent. To the extent damages are covered by property insurance or any other insurance, both you and H&H waive all rights against each other and against the contractors, consultants, agents, and employees of the other, for damages, except such rights as they may have to the proceeds of such insurance as set forth in this Agreement. The you or H&H, as appropriate, shall require of the contractors, consultants, agents, and employees of any of them, similar waivers in favor of the other parties enumerated herein.

19. Disputes.

- a. All disputes between you and H&H 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. However, where non-payment of an invoice has occurred and H&H sends you a final demand letter for payment, your failure to respond within ten (10) days of receipt (or, for certified mail, the date of the first attempt to deliver the letter to your address of record if you ultimately do not accept receipt of the letter) of such letter will be deemed to be a waiver of your right to enforce this mediation clause and H&H may immediately file suit to enforce the terms of this Agreement.

20. Miscellaneous.

- a. This Agreement and all claims relating thereto shall be governed by the substantive and procedural laws of the State of Illinois, as they presently exist or may hereafter be amended, without regard to principles of conflict of laws.
- 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. No modification of these Terms and Conditions will be binding against H&H unless specifically approved in writing by a Principal of H&H.
- d. Having received these Terms and Conditions, your oral authorization to commence Services, your acceptance of performance of the 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, even if signed by an authorized representative of H&H.
- 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, reimbursement, insurance proceeds or grant funds from any other party for any reason whatsoever shall not absolve you, your successors or assigns of any obligation to pay any sum to H&H under this agreement.
- h. These Terms and Conditions shall govern over any inconsistent terms in H&H'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.
- k. Any reports generated by H&H will be subject to H&H's standard report limitations for that particular type of report.

21. Asbestos Abatement Services (If Applicable). If the Services include asbestos abatement services, then the following terms and conditions will apply and will supersede any conflicting terms contained elsewhere in this Agreement.

- a. You acknowledge that conditions can vary from those encountered at the times and locations of explorations and data collection, and that the limitation on available data may result in some level of uncertainty with respect to the interpretation of those conditions, despite due professional care. H&H therefore cannot guaranty specific results such as the identification or removal of all asbestos or other contamination.



- 22. Microbial Services (If Applicable).** If the Services include microbial services, then the following terms and conditions will apply and will supersede any conflicting terms contained elsewhere in this Agreement.
- a. You recognize that meeting the standard of care does not establish an assurance that corrective procedures will be permanent. Because Microbial infestations are created by near-omnipresent living microscopic spores, grows very quickly and are influenced by nanoclimatological conditions that are very difficult to detect and sources of water intrusion, elevated moisture or relative humidity over which H&H has neither control or responsibility, H&H cannot and does not claim that its Services will eliminate the risk of a Microbial infestation recurring.
 - b. You acknowledge that the Services entail risk of personal injury and property damage (including cross-contamination) that cannot be avoided, even with the exercise of due care. You also acknowledge that environmental conditions can vary from those encountered at the times and locations of explorations and data collection, and that the limitation on available data may result in some level of uncertainty with respect to the interpretation of these conditions, despite due care. H&H therefore cannot guaranty specific results such as the identification of all contamination or other environmental conditions or problems nor their resolution.
 - c. You acknowledge that Microbial infestations may be hidden from view and concealed in locations that are difficult to discover. Accordingly, you agree that despite H&H's efforts, some Microbial locations may remain undetected. In such situations, you agree that you will have no claim against H&H provided H&H followed all applicable laws and regulations pertaining to the Work.
 - d. For purposes of this Agreement, Microbial is defined as any and all fungal and/or bacterial growth including but not limited to mold, mildew, yeast, fungus, fungi, bacteria, spores, odors, particulates, vapors, gas, or other emissions produced by or arising out of or toxins emanating therefrom.
 - e. You further agree that where H&H shall performs Services intended to minimize the risk of Microbial infestations, H&H shall not be liable for damages resulting from Microbial contamination including but not limited to fungal or bacterial infestations and water damage or dry or wet rot and you agree to waive any Microbial infestation claim(s) against H&H, and you agree to indemnify, defend and hold the H&H Indemnitees harmless from any claim alleging that H&H's Services caused or aggravated a Microbial infestation or did not prevent a Microbial infestation from re-occurring.

Subconsultant:

2IM Group, LLC

Location Drainage Study

Drainage Engineering Work Hour Summary

Project Route:	<u>Washington Street at Illinois Route 21 (Milwaukee Ave.) Intersection Improvements</u>			
Project Limits:	<u>2,220 ft. along Washington Street</u> <u>1,455 ft. along IL-21 (Milwaukee Ave.)</u>			
County:	<u>Lake County</u>			
Section Number:	<u>22-00999-93-ES</u>			
<hr/>				
Local Agencies:	<u>IDOT, Lake County SMC</u>			
Number of Agencies:	<u>3</u>	Identified Drainage Problems:	<u>unknown</u>	
Number of Outlets:	<u>unknown</u>	Drainage Districts:	<u>1</u>	
Number of FPE's	<u>0</u>	Total	<u>0</u>	Transverse <u>0</u> Longitudinal
Number of Floodways	<u>0</u>	Total	<u>0</u>	Transverse <u>0</u> Longitudinal
Major Drainage Features:	<u>0</u>	Bridges	<u>0</u>	Major Culvert Crossings <u>0</u> Pump Stations
	<u>0</u>	Reservoirs/Detention Facilities		
	<u>0</u>	Subway	<u>0</u>	Channels
Length:				
Mainline	<u>Washington Street: 2,220 ft.</u>			
Cross Sts:	<u>IL-21 (Milwaukee Ave.): 1,455 ft.</u>			
Interchanges:	<u>NONE</u>			
Total Length (All of Above)	<u>3675</u>			



	<u>NOTES/ASSUMPTIONS</u>	<u>WORK HOURS</u>
EXISTING DRAINAGE SYSTEM		
General Location Drainage Map		8
Existing Drainage Plan	<i>50 scale: assume 4 sheets @ 20 hrs each</i>	80
Identified Drainage Problems	<i>Confirm with site visit</i>	12
Identified Base Floodplains	<i>Establish Des Plaines River floodplain to avoid impacts.</i>	8
Major Drainage Features		0
PROPOSED DRAINAGE SYSTEM		
Design Criteria		24
Outlet Evaluation	<i>4 outlets @ 6 hours/outlet</i>	24
Storm Water Detention Analysis	<i>8 hours/outlet</i>	32
Right of Way Analysis	<i>4 hours/sheet</i>	16
Drainage Alternatives	<i>e.g. determining between pipe or pond detention.</i>	16
Local and Other Agency Coordination	<i>2 agencies x 16 hrs/agency</i>	32
Proposed Drainage Plan & Profile	<i>50 scale: assume 3 sheets</i>	120
Floodplain Encroachment Evaluation		0
IDNR-OWR Permit		0
Water Quality/BMP		40
Study Assembly		20
<i>Quality Control/Quality Assurance (3%)</i>		12
<i>Contract Administration and Billing (4%)</i>		18
<u>TOTAL WORK HOURS</u>		462



	<u>NOTES/ASSUMPTIONS</u>	<u>WORK HOURS</u>
Phase II - Drainage Design	3 submittals (60%, 90%, IFB)	
Drainage Plans & Profiles	20 scale: assume 5 sheets	<u>200</u>
Drainage Details	assume 1 sheet	<u>16</u>
Drainage Summary of Quantities	<i>Pay Items, Units, Quantities</i>	<u>24</u>
Drainage Schedules	<i>Stations, Offsets, Rims, Inverts</i>	<u>40</u>
Drainage Cost Estimate		<u>20</u>
Lake County SMC Drainage Permit		<u>40</u>
<i>Quality Control/Quality Assurance (3%)</i>		<u>10</u>
<i>Contract Administration and Billing (4%)</i>		<u>14</u>
<u>TOTAL WORK HOURS</u>		<u>364</u>



Local Public Agency	County	Section Number
Lake County Division of Transportation	Lake	22-00999-93-ES
Prime Consultant (Firm) Name	Prepared By	Date
Parsons Transportation Group	LSM	5/22/2023
Consultant / Subconsultant Name	Job Number	
2IM Group, LLC		

Note: This is name of the consultant the CECS is being completed for. This name appears at the top of each tab.

Remarks

Hours are for Phase I and Phase II

PAYROLL ESCALATION TABLE

CONTRACT TERM	30	MONTHS	OVERHEAD RATE	
START DATE	7/1/2023		COMPLEXITY FACTOR	
RAISE DATE	5/1/2024		% OF RAISE	2.00%
END DATE	12/31/2025			

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	7/1/2023	5/1/2024	10	33.33%
1	5/2/2024	5/1/2025	12	40.80%
2	5/2/2025	1/1/2026	8	27.74%

Section Number

22-00999-93-ES

Job Number

2IM Group, LLC

PAYROLL RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET FIXED RAISE

MAXIMUM PAYROLL RATE	86.00
ESCALATION FACTOR	1.88%

[illegible]

Local Public Agency	County	Section Number
Lake County Division of Transportation	Lake	22-00999-93-ES
Consultant / Subconsultant Name		Job Number
2IM Group, LLC		

SUBCONSULTANTS

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

[illegible]

NOTE: Only subconsultants who fill out a cost estimate that splits out direct labor may be listed on this sheet.

Local Public Agency

Lake County Division of Transportation

County

Lake

Section Number

22-00999-93-ES

Consultant / Subconsultant Name

2IM Group, LLC

Job Number**DIRECT COSTS WORKSHEET**

List ALL direct costs required for this project. Those not listed on the form will not be eligible for reimbursement by the LPA on this project.

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum	540	\$0.66	\$353.70
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day			\$0.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost			\$0.00
Parking	Actual Cost			\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			\$0.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)			\$0.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost			\$0.00
Lab Services	Actual Cost (Provide breakdown of each cost)			\$0.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
TOTAL DIRECT COSTS:				\$353.70

Lake County Division of Transportation

2IM Group, LLC

Lake

22-00999-93-ES

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EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

COMPLEXITY FACTOR 0

43,014

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Page 5 of 7

Local Public Agency

Lake County Division of Transportation

County

Lake

Section Number

22-00999-93-ES

Consultant / Subconsultant Name

2IM Group, LLC

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 2 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Drainage Schedules			Drainage Cost Estimate			Permitting						QA/QC (Both Phases)			Administration (Both Phases)		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	86.00	4	10.00%	8.60	2	10.00%	8.60	4	10.00%	8.60				6	27.27%	23.45	8	25.00%	21.50
Senior Professional	71.31	8	20.00%	14.26	4	20.00%	14.26	8	20.00%	14.26				10	45.45%	32.42			
Project Engineer I	57.05																		
Project Engineer II	46.86	20	50.00%	23.43	10	50.00%	23.43	20	50.00%	23.43				6	27.27%	12.78			
Engineer I	40.75																		
Engineer II	33.62	8	20.00%	6.72	4	20.00%	6.72	8	20.00%	6.72									
Environmental I	38.71																		
Environmental II	31.58																		
Technician	30.56																		
Administration	35.66																24	75.00%	26.74
TOTALS		40.0	100%	\$53.02	20.0	100%	\$53.02	40.0	100%	\$53.02	0.0	0%	\$0.00	22.0	100%	\$68.65	32.0	100%	\$48.24

Subconsultant:

Wang Engineering, Inc.

May 23, 2023

Mr. Jeffrey R Hall, P.E.

Parsons

10 South Riverside, Suite 400

Chicago, IL 60606

Re: Proposal – Geotechnical Engineering Services
Washington Street at IL 21 Intersection Improvement
Lake County Division of Transportation
Gurnee, Illinois
Wang PKE235163

Dear Mr. Hall:

Wang Engineering, Inc., A Terracon Company (Wang) is pleased to submit our proposal to provide subsurface investigation and geotechnical services for the proposed Washington Road and IL 21 intersection improvements in Gurnee, Illinois.

Based on information provided by Parsons, Wang understands the Lake County Division of Transportation (LCDOT) is looking to improve the Washington at IL21 (Milwaukee Avenue) intersection with the addition of left turn lanes on potentially each of the legs. The proposed improvements will require roadway widening up to 8 to 10 feet. According to the latest drawing provided by Parsons on May 2, 2023, the project limits extend approximately 750 to 1,125 feet on each leg of the intersection. We understand IL 21 is within Parsons study limits but not pavement widening or reconstruction is anticipated. Therefore, our investigation only focuses on Washington Street. A cursory review of published pedological data suggests that hydric soils may be present in the northwest quadrant of the intersection and along the west leg (Washington Street).

SCOPE OF WORK

The purpose of our geotechnical investigations will be to determine the soil, groundwater, and existing pavement conditions, perform geotechnical engineering analyses, and provide recommendations for the design and reconstruction of the intersection.

To accomplish these objectives, Wang will complete the following tasks:

Geotechnical Drilling Services — Prior to the start of field works, Wang will attend one meeting with the LCDOT to discuss the proposed borings and pavement cores locations. Wang will provide equipment, labor, and associated materials to drill and sample eight 10-foot-deep soil borings for a total of 80 feet of drilling along Washington Street. The borings will be spaced at 300-foot intervals on alternating sides of the roadway. The borings will be drilled by hollow stem augers and soil samples will be collected with split-barrel samplers in 2.0-foot continuous intervals. The sampling will be performed in accordance with AASHTO T206 "*Penetration Test and Split-Barrel Sampling of Soils*." Soil samples will be transported to our laboratory for soil index testing. As-drilled boring locations will be surveyed by Wang using a handheld GPS.

Additional Investigation – Task II

A separate task (task II) is included as a contingency if poor soils are encountered during our initial investigation. In task II Wang will provide equipment, labor, and associated materials to drill and sample four 30-foot-deep peat delineation soil borings for a total of 120 feet of drilling along Washington Street. The location of poor soil delineation borings will be determined later.

Pavement Coring — Wang will provide equipment, labor, and associated materials to obtain four pavement cores along Washington Street, two from each leg of the intersection on opposite sides of the roadway. The cores would be obtained using a hand operated coring machine equipped with a 4-inch diameter, diamond impregnated core barrel. The cores would be measured for thickness and photographed and will be delivered to our in-house laboratory in Lombard.

Field Supervision — Prior to drilling, Wang will locate the borings in the field and clear utilities through the JULIE one-call system and Meade Electric. We will obtain the necessary work and traffic control permits from LCDOT, IDOT, and Gurnee. A field engineer will monitor drilling activities, maintain daily field notes and soil boring logs, as well as receive, classify, and prepare soil samples for laboratory analysis. The field engineer will monitor the groundwater level during drilling and at the completion of drilling operations. Soil samples will be classified according to the IDH Textural Classification System.

Pavement Condition Evaluation — In addition to the pavement coring, Wang will carry out a visual evaluation of the pavement condition along Washington Street.

Laboratory Testing — Upon completion of the drilling phase, the samples will be transported to our in-house laboratory. The general soil testing program will include natural moisture content (AASHTO T265), Atterberg limits (AASHTO T89 & T90), and particle size analyses (AASHTO T88), and organic content (AASHTO T194).

Engineering Analysis and Recommendations — A Roadway Geotechnical Report (RGR) will be prepared and will include a description of the project, geological, pedological, and climatological

data, site description, field and laboratory testing procedures, a characterization of the soil and groundwater conditions, and geotechnical recommendations for the roadway construction and pavement design along Washington Street. The report will include a site location map, gINT boring logs, and a summary of laboratory test results. For the existing pavement evaluation, Wang will coordinate with IDOT on pavement condition and design, determine if the PCC should remain, if an HMA overlay is required, and determine pavement design for the widening areas. If the initial investigation determines that ground improvement is needed for the widening areas, the report will list suitable alternatives and provide recommendations, as part of task 2. Wang will attend one meeting with LCDOT to discuss geotechnical recommendations.

SCHEDULING

Wang will start the project expediently upon prior authorization to proceed. We anticipate that utility clearance through JULIE will require two days. The drilling/coring phase of the project will take two days to complete. The laboratory-testing program will proceed at the completion of the sampling activities and will be completed within two weeks after the drilling completion. The geotechnical report will be finalized three weeks after the completion of the testing program.

COST ESTIMATE

The attached cost estimate was prepared assuming the following conditions:

- The boring locations are accessible to a truck-mounted drill;
- Drilling requires lane closure protection;
- Borings will be backfilled with soil cuttings.

Wang Engineering, Inc. appreciates the opportunity to present this proposal and we look forward to working with Parsons on this project. If you have questions, or if you require additional information, please contact us at (630) 953-9928.

Sincerely,

Wang Engineering, Inc.

Andri A. Kurnia, P.E.
Senior Engineer

Eric Datz.
Project Geologist

Liviu Iordache, P.G.
Department Manager III

Local Public Agency LCDT	County Lake	Section Number NA
Prime Consultant (Firm) Name Parsons	Prepared By Liviu Iordache	Date 5/23/2023
Consultant / Subconsultant Name Wang Engineering, Inc.	Job Number NA	

Note: This is name of the consultant the CECS is being completed for. This name appears at the top of each tab.

Remarks

PAYROLL ESCALATION TABLE

CONTRACT TERM	12	MONTHS			OVERHEAD RATE	198.45%
START DATE	7/1/2023				COMPLEXITY FACTOR	0
RAISE DATE	4/1/2024				% OF RAISE	2.00%
END DATE	6/30/2024					

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	7/1/2023	4/1/2024	9	75.00%
1	4/2/2024	7/1/2024	3	25.50%

The total escalation = 0.50%

LCDT

Lake

NA

Wang Engineering, Inc.

NA

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET FIXED RAISE

MAXIMUM PAYROLL RATE	86.00
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ESCALATION FACTOR	0.50%
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[illegible]

Local Public Agency

LCDT

County

Lake

Section Number

NA

Consultant / Subconsultant Name

Wang Engineering, Inc.

Job Number

NA

DIRECT COSTS WORKSHEET

List ALL direct costs required for this project. Those not listed on the form will not be eligible for reimbursement by the LPA on this project.
EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum			\$0.00
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day	5	\$65.00	\$325.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost			\$0.00
Parking	Actual Cost			\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			\$0.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)			\$0.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)	1	\$3,700.00	\$3,700.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost	1	\$10,380.00	\$10,380.00
Lab Services	Actual Cost (Provide breakdown of each cost)	1	\$1,386.00	\$1,386.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Contingency - weak soil delineation: Lab Services	Actual Cost	1	\$2,073.00	\$2,073.00
Contingency- Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day	4	\$65.00	\$260.00
Contingency - Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)	1	\$3,700.00	\$3,700.00
Contingency - Testing of Soil Samples	Actual Cost	1	\$10,140.00	\$10,140.00
TOTAL DIRECT COSTS:				\$31,964.00

LCDT

Lake

NA

Wang Engineering, Inc.

NA

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

COMPLEXITY FACTOR	0
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COST EST

Direct Cost Breakdown
Task I

Name: Washington Street at IL 21 Intersection Improvements
RFP/PTB/PSB/Item: NA
Contract/Job: NA

Date: 05/23/2023
Wang No.: PKE235163

Task Description	Units	Unit Price	Extended Cost
DRILLING, SAMPLING & INSITU TESTING			
Drilling Coordination, Utilities Clearance, Site Access, Permitting	4.0 Hours	\$120.00 /Hour	\$480.00
Mobilization (ATV mounted)	0	\$1,700.00 /Each	\$0.00
Stand-by Hourly Rate	0.0 Hours	\$485.00 /Hour	\$0.00
<u>Drilling & Sampling - Hourly</u> (SPT, Penetrometer, Rimac, Visual Classification Included)			
Two-man crew - normal working hrs	8.0 Hours	\$485.00 /Hour	\$3,880.00
Two-man crew - overtime (2 hrs per day)	2.0 Hours	\$535.00 /Hour	\$1,070.00
Two-man crew and field supervisor- normal working hrs	0.0 Hours	\$495.00 /Hour	\$0.00
Two-man crew and field supervisor - overtime (2 hrs per day)	0.0 Hours	\$543.00 /Hour	\$0.00
<u>Hand Augering, Pavement/ Deck Coring & Testing</u>			
Two-man crew - normal working hrs	8.0 Hours	\$485.00 /Hour	\$3,880.00
Two-man crew - overtime (2 hrs per day)	2.0 Hours	\$535.00 /Hour	\$1,070.00
Asbestos content testing on deck cores	0 Tests	\$200.00 /Test	\$0.00
<u>Surveying of Boring Locations</u> (Two-man crew)	0.0 Hours	\$300.00 /Hour	\$0.00
<u>Monitoring Well or Inclinator Installation</u>			
2.0- or 4-inch monitoring wells			
Two-man crew - normal working hours	0.0 Hours	\$485.00 /Hour	\$0.00
Two-man crew - overtime (2 hours per day)	0.0 Hours	\$535.00 /Hour	\$0.00
<u>Inclinator casing installation</u>			
Two-man drilling crew - normal working hours	0.0 Hours	\$485.00 /Hour	\$0.00
Two-man crew - overtime (2 hours per day)	0.0 Hours	\$535.00 /Hour	\$0.00
<u>Other items - at cost</u>			
55-gallon DOT containment drums	0.0 Drums	\$80.00 /Drum	\$0.00
Digital datalogger and barometer	0.0 Each	\$1,750.00 /Each	\$0.00
Well and Casing Materials	At Cost		\$0.00
<u>Other Insitu Tests</u>			
Pressuremeter testing	0 Days	\$3,750.00 /Day	\$0.00
Vane shear	0 Tests	\$325.00 /Test	\$0.00
Dilatometer testing	At Cost		\$0.00
Cone penetration testing (CPT/CPTu)	At Cost		\$0.00
Photoionization detector (PID)	0 Days	\$125.00 /Day	\$0.00
Double ring infiltrometer test (ASTM D3385)	0 Tests	\$1,500.00 /Test	\$0.00
Single ring infiltrometer test (Chicago Stormwater Ordinance)	0 Tests	\$750.00 /Test	\$0.00
<u>Boring Location Accessibility, Railroad Fees, State/County/Municipal Fees, Barge Drilling</u>			
Private utility determination	At Cost		\$0.00
Tree clearance	At Cost		\$0.00
Guardrail removal and replacement	At Cost		\$0.00
Dozer / equipment rental	At Cost		\$0.00
Railroad permitting	At Cost		\$0.00
Railroad protective insurance	At Cost		\$0.00
Railroad flagman	At Cost		\$0.00
Pavement opening permit	At Cost		\$0.00
State/municipal insurance and bonding	At Cost		\$0.00
Barge drilling on a navigable waterway	At Cost		\$0.00
			\$10,380.00

Name: Washington Street at IL 21 Intersection Improvements
RFP/PTB/PSB/Item: NA
Contract/Job: NA

Date: 05/23/2023
Wang No.: PKE235163

Task Description			Units	Unit Price	Extended Cost
LABORATORY TESTING					
T265	D2216	Water Content	40 Tests	\$14.00 /Test	\$560.00
--	D7263	Unit Weight (Density)	0 Tests	\$44.00 /Test	\$0.00
T100	D854	Specific Gravity	0 Tests	\$80.00 /Test	\$0.00
--	D4972	pH of Soil	0 Tests	\$68.00 /Test	\$0.00
T267	D2974	Organic Content by LOI	0 Tests	\$72.00 /Test	\$0.00
T194	--	Organic Content by Wet Combustion	2 Tests	\$160.00 /Test	\$320.00
Particle Size Distribution					
T88	D422	Sieve Analysis	0 Tests	\$96.00 /Test	\$0.00
T88	D422	Combined Sieve and Hydrometer	2 Tests	\$157.00 /Test	\$314.00
--	D1140	Percent Finer than No. 200 Sieve	0 Tests	\$64.00 /Test	\$0.00
Atterberg Limits					
T89, T90	D4318	Liquid and Plastic Limits	2 Tests	\$96.00 /Test	\$192.00
T92	D427	Shrinkage Factors	0 Tests	\$116.00 /Test	\$0.00
Classification of Soils					
--	D2488	Visual Manual	0 Samples	\$23.00 /Sample	\$0.00
--	D2487	Unified Soil Classification System	0 Samples	\$253.00 /Sample	\$0.00
M145	--	AASHTO Classification	0 Samples	\$253.00 /Sample	\$0.00
--	--	USDA Classification	0 Samples	\$157.00 /Sample	\$0.00
Soil Settlement, Swelling, and Collapse Potential					
T216	D2435	One-Dimensional Consolidation	0 Tests	\$700.00 /Test	\$0.00
--	D4546	One-Dimensional Swell	0 Tests	\$680.00 /Test	\$0.00
--	D5333	Collapse Potential	0 Tests	\$380.00 /Test	\$0.00
Shear Strength of Soil					
		Rimac Unconfined Compressive Strength	0 Tests	\$20.00 /Test	\$0.00
T208	D2166	Unconfined Compressive Strength	0 Tests	\$100.00 /Test	\$0.00
T236	D3080	Direct Shear of Soils (3 points)	0 Tests	\$900.00 /Test	\$0.00
T296	D2850	UU Triaxial Compression (3 points)	0 Tests	\$426.00 /Test	\$0.00
T297	D4767	CU Triaxial Compression (3 points)	0 Tests	\$1,407.00 /Test	\$0.00
T297	D4767	CD Triaxial Compression (3 points)	0 Tests	\$1,407.00 /Test	\$0.00
	D7012	Peak Uniaxial Compressive Strength of Rock Core	0 Tests	\$240.00 /Test	\$0.00
Laboratory Compaction Tests					
T99	D698	Moisture-Density of Soils (Standard Effort)	0 Tests	\$252.00 /Test	\$0.00
T180	D1557	Moisture-Density of Soils (Modified Effort)	0 Tests	\$264.00 /Test	\$0.00
T193	D1883	California/Illinois Bearing Ratio (3 points)	0 Tests	\$1,186.00 /Test	\$0.00
Coefficient of Permeability					
T215	D2434	Hydraulic Conductivity (Constant Head)	0 Tests	\$578.00 /Test	\$0.00
--	D5084	Hydraulic Conductivity (Flexible Wall)	0 Tests	\$607.00 /Test	\$0.00
Additional Sample Preparation Procedures					
		Removal of Organic Matter	0 Samples	\$107.00 /Sample	\$0.00
		Extrusion & Preservation of Undisturbed Samples	0 Samples	\$35.00 /Sample	\$0.00
		Logging & Classification of Undisturbed Samples	0 Samples	\$80.00 /Sample	\$0.00
		Remolding and Trimming of Samples	0 Samples	\$76.00 /Sample	\$0.00
Planting Soil Mix Testing					
		<i>Chemical Analyses & Mitigation Recommendations (300 g sample required)</i>			
		pH, CEC, Soluble Salts, OM, P, K, Other Nutrients	0 Tests	\$139.00 /Test	\$0.00
		Residual Chemicals, Herbicides Full Screen	0 Tests	\$788.00 /Test	\$0.00
		<i>Mechanical Analyses & Mitigation Recommendations (1,000 g sample required)</i>			
T88	D422	Combined Sieve and Hydrometer	0 Tests	\$157.00 /Test	\$0.00
Analytical Laboratory Services - for CCDD (200% fee for 3-day turn-around rush orders)					
		pH Determination	0 No	\$14.00 /Each	\$0.00
		Volatile Organic Components (VOCs)	0 No	\$121.00 /Each	\$0.00
		SemiVOCs including PNA's	0 No	\$202.00 /Each	\$0.00
		PCBs	0 No	\$83.00 /Each	\$0.00
		RCRA Total Metals (8)	0 No	\$97.00 /Each	\$0.00
		TCLP/SPLP Extraction	0 No	\$97.00 /Each	\$0.00
		TCLP/SPLP per each metal	0 No	\$55.00 /Each	\$0.00
		Herbicides	0 No	\$202.00 /Each	\$0.00
		Pesticides	0 No	\$115.00 /Each	\$0.00
Corrosion Testing					
		(Resistivity, Chlorides, pH, Redox, and Sulfates)	0 No	\$395.00 /Each	\$0.00
					\$1,386.00

Name: Washington Street at IL 21 Intersection Improvements
RFP/PTB/PSB/Item: NA
Contract/Job: NA

Date: 05/23/2023
Wang No.: PKE235163

Task Description	Units	Unit Price	Extended Cost
TRAFFIC CONTROL			
<u>Expressway (1/2 mile)</u>			
Shoulder Closure	0 No.	\$1,060.00 /Each	\$0.00
One-lane Closure	0 No.	\$3,450.00 /Each	\$0.00
Two-lane Closure	0 No.	\$3,660.00 /Each	\$0.00
Three-lane Closure-Only Saturday	0 No.	\$4,050.00 /Each	\$0.00
Ramp Closure (Exit-Entrance)	0 No.	\$1,090.00 /Each	\$0.00
Additional 1/2 mile	0 No.	\$100.00 /Each	\$0.00
<u>Arterial (1/2 mile)</u>			
Shoulder Closure	0 No.	\$900.00 /Each	\$0.00
One-lane Closure	0 No.	\$1,000.00 /Each	\$0.00
Two-lane Closure	0 No.	\$1,100.00 /Each	\$0.00
Detour	0 No.	\$1,100.00 /Each	\$0.00
U-2	0 No.	\$1,300.00 /Each	\$0.00
Standard #701421 (Over 45mph)	0 No.	\$1,900.00 /Each	\$0.00
<u>Impact Attenuator with Driver</u>			
Port-to-Port	20 Hours	\$185.00 /Hour	\$3,700.00
<u>Roadway Flagmen (two-man crew)</u>			
Port-to-Port	0 Hours	\$250.00 /Hour	\$0.00
			\$3,700.00

Note: Prices are for weekday only (Monday through Friday). Weekend rates (Saturdays and Sundays) are higher and will be provided per project

FIELD VEHICLES & MILEAGE			
<u>Field Vehicle</u>			
Field Vehicle Mileage (>100 Miles per Day)	0.0 Miles	\$0.655 /Mile	\$0.00
Field Vehicle Daily (<100 Miles per Day)	5 Days	\$65.00 /Day	\$325.00
			\$325.00

OUT-OF-TOWN EXPENSES				
Per County	Lodging	0 Days	\$100.00 /Day	\$0.00
	Per Diem	0 Days	\$50.00 /Day	\$0.00
				\$0.00

SUMMARY		
DRILLING, SAMPLING & INSITU TESTING		\$10,380.00
LABORATORY TESTING		\$1,386.00
TRAFFIC CONTROL		\$3,700.00
FIELD VEHICLES & MILEAGE		\$325.00
OUT-OF-TOWN EXPENSES		\$0.00
		\$15,791.00

Direct Cost Breakdown
Task II

Name: Washington Street at IL 21 Intersection Improvements - Task II
RFP/PTB/PSB/Item: NA
Contract/Job: NA

Date: 05/23/2023
Wang No.: PKE235163

Task Description	Units	Unit Price	Extended Cost
DRILLING, SAMPLING & INSITU TESTING			
Drilling Coordination, Utilities Clearance, Site Access, Permitting	2.0 Hours	\$120.00 /Hour	\$240.00
Mobilization (ATV mounted)	0	\$1,700.00 /Each	\$0.00
Stand-by Hourly Rate	0.0 Hours	\$485.00 /Hour	\$0.00
<u>Drilling & Sampling - Hourly</u> (SPT, Penetrometer, Rimac, Visual Classification Included)			
Two-man crew - normal working hrs	16.0 Hours	\$485.00 /Hour	\$7,760.00
Two-man crew - overtime (2 hrs per day)	4.0 Hours	\$535.00 /Hour	\$2,140.00
Two-man crew and field supervisor- normal working hrs	0.0 Hours	\$495.00 /Hour	\$0.00
Two-man crew and field supervisor - overtime (2 hrs per day)	0.0 Hours	\$543.00 /Hour	\$0.00
<u>Hand Augering, Pavement/ Deck Coring & Testing</u>			
Two-man crew - normal working hrs	0.0 Hours	\$485.00 /Hour	\$0.00
Two-man crew - overtime (2 hrs per day)	0.0 Hours	\$535.00 /Hour	\$0.00
Asbestos content testing on deck cores	0 Tests	\$200.00 /Test	\$0.00
<u>Surveying of Boring Locations</u> (Two-man crew)	0.0 Hours	\$300.00 /Hour	\$0.00
<u>Monitoring Well or Inclinator Installation</u>			
2.0- or 4-inch monitoring wells			
Two-man crew - normal working hours	0.0 Hours	\$485.00 /Hour	\$0.00
Two-man crew - overtime (2 hours per day)	0.0 Hours	\$535.00 /Hour	\$0.00
<u>Inclinator casing instalation</u>			
Two-man drilling crew - normal working hours	0.0 Hours	\$485.00 /Hour	\$0.00
Two-man crew - overtime (2 hours per day)	0.0 Hours	\$535.00 /Hour	\$0.00
<u>Other items - at cost</u>			
55-gallon DOT containment drums	0.0 Drums	\$80.00 /Drum	\$0.00
Digital datalogger and barometer	0.0 Each	\$1,750.00 /Each	\$0.00
Well and Casing Materials	At Cost		\$0.00
<u>Other Insitu Tests</u>			
Pressuremeter testing	0 Days	\$3,750.00 /Day	\$0.00
Vane shear	0 Tests	\$325.00 /Test	\$0.00
Dilatometer testing	At Cost		\$0.00
Cone penetration testing (CPT/CPTu)	At Cost		\$0.00
Photoionization detector (PID)	0 Days	\$125.00 /Day	\$0.00
Double ring infiltrometer test (ASTM D3385)	0 Tests	\$1,500.00 /Test	\$0.00
Single ring infiltrometer test (Chicago Stormwater Ordinance)	0 Tests	\$750.00 /Test	\$0.00
<u>Boring Location Accessibility, Railroad Fees, State/County/Municipal Fees, Barge Drilling</u>			
Private utility determination	At Cost		\$0.00
Tree clearance	At Cost		\$0.00
Guardrail removal and replacement	At Cost		\$0.00
Dozer / equipment rental	At Cost		\$0.00
Railroad permitting	At Cost		\$0.00
Railroad protective insurance	At Cost		\$0.00
Railroad flagman	At Cost		\$0.00
Pavement opening permit	At Cost		\$0.00
State/municipal insurance and bonding	At Cost		\$0.00
Barge drilling on a navigable waterway	At Cost		\$0.00
			\$10,140.00

Name: Washington Street at IL 21 Intersection Improvements - Task II
RFP/PTB/PSB/Item: NA
Contract/Job: NA

Date: 05/23/2023
Wang No.: PKE235163

Task Description			Units	Unit Price	Extended Cost
LABORATORY TESTING					
T265	D2216	Water Content	48 Tests	\$14.00 /Test	\$672.00
--	D7263	Unit Weight (Density)	0 Tests	\$44.00 /Test	\$0.00
T100	D854	Specific Gravity	0 Tests	\$80.00 /Test	\$0.00
--	D4972	pH of Soil	0 Tests	\$68.00 /Test	\$0.00
T267	D2974	Organic Content by LOI	0 Tests	\$72.00 /Test	\$0.00
T194	--	Organic Content by Wet Combustion	1 Tests	\$160.00 /Test	\$160.00
Particle Size Distribution					
T88	D422	Sieve Analysis	0 Tests	\$96.00 /Test	\$0.00
T88	D422	Combined Sieve and Hydrometer	2 Tests	\$157.00 /Test	\$314.00
--	D1140	Percent Finer than No. 200 Sieve	0 Tests	\$64.00 /Test	\$0.00
Atterberg Limits					
T89, T90	D4318	Liquid and Plastic Limits	2 Tests	\$96.00 /Test	\$192.00
T92	D427	Shrinkage Factors	0 Tests	\$116.00 /Test	\$0.00
Classification of Soils					
--	D2488	Visual Manual	0 Samples	\$23.00 /Sample	\$0.00
--	D2487	Unified Soil Classification System	0 Samples	\$253.00 /Sample	\$0.00
M145	--	AASHTO Classification	0 Samples	\$253.00 /Sample	\$0.00
--	--	USDA Classification	0 Samples	\$157.00 /Sample	\$0.00
Soil Settlement, Swelling, and Collapse Potential					
T216	D2435	One-Dimensional Consolidation	1 Tests	\$700.00 /Test	\$700.00
--	D4546	One-Dimensional Swell	0 Tests	\$680.00 /Test	\$0.00
--	D5333	Collapse Potential	0 Tests	\$380.00 /Test	\$0.00
Shear Strength of Soil					
		Rimac Unconfined Compressive Strength	0 Tests	\$20.00 /Test	\$0.00
T208	D2166	Unconfined Compressive Strength	0 Tests	\$100.00 /Test	\$0.00
T236	D3080	Direct Shear of Soils (3 points)	0 Tests	\$900.00 /Test	\$0.00
T296	D2850	UU Triaxial Compression (3 points)	0 Tests	\$426.00 /Test	\$0.00
T297	D4767	CU Triaxial Compression (3 points)	0 Tests	\$1,407.00 /Test	\$0.00
T297	D4767	CD Triaxial Compression (3 points)	0 Tests	\$1,407.00 /Test	\$0.00
	D7012	Peak Uniaxial Compressive Strength of Rock Core	0 Tests	\$240.00 /Test	\$0.00
Laboratory Compaction Tests					
T99	D698	Moisture-Density of Soils (Standard Effort)	0 Tests	\$252.00 /Test	\$0.00
T180	D1557	Moisture-Density of Soils (Modified Effort)	0 Tests	\$264.00 /Test	\$0.00
T193	D1883	California/Illinois Bearing Ratio (3 points)	0 Tests	\$1,186.00 /Test	\$0.00
Coefficient of Permeability					
T215	D2434	Hydraulic Conductivity (Constant Head)	0 Tests	\$578.00 /Test	\$0.00
--	D5084	Hydraulic Conductivity (Flexible Wall)	0 Tests	\$607.00 /Test	\$0.00
Additional Sample Preparation Procedures					
		Removal of Organic Matter	0 Samples	\$107.00 /Sample	\$0.00
		Extrusion & Preservation of Undisturbed Samples	1 Samples	\$35.00 /Sample	\$35.00
		Logging & Classification of Undisturbed Samples	0 Samples	\$80.00 /Sample	\$0.00
		Remolding and Trimming of Samples	0 Samples	\$76.00 /Sample	\$0.00
Planting Soil Mix Testing					
		<i>Chemical Analyses & Mitigation Recommendations (300 g sample required)</i>			
		pH, CEC, Soluble Salts, OM, P, K, Other Nutrients	0 Tests	\$139.00 /Test	\$0.00
		Residual Chemicals, Herbicides Full Screen	0 Tests	\$788.00 /Test	\$0.00
		<i>Mechanical Analyses & Mitigation Recommendations (1,000 g sample required)</i>			
T88	D422	Combined Sieve and Hydrometer	0 Tests	\$157.00 /Test	\$0.00
Analytical Laboratory Services - for CCDD (200% fee for 3-day turn-around rush orders)					
		pH Determination	0 No	\$14.00 /Each	\$0.00
		Volatile Organic Components (VOCs)	0 No	\$121.00 /Each	\$0.00
		SemiVOCs including PNA's	0 No	\$202.00 /Each	\$0.00
		PCBs	0 No	\$83.00 /Each	\$0.00
		RCRA Total Metals (8)	0 No	\$97.00 /Each	\$0.00
		TCLP/SPLP Extraction	0 No	\$97.00 /Each	\$0.00
		TCLP/SPLP per each metal	0 No	\$55.00 /Each	\$0.00
		Herbicides	0 No	\$202.00 /Each	\$0.00
		Pesticides	0 No	\$115.00 /Each	\$0.00
Corrosion Testing					
		(Resistivity, Chlorides, pH, Redox, and Sulfates)	0 No	\$395.00 /Each	\$0.00
					\$2,073.00

Name: Washington Street at IL 21 Intersection Improvements - Task II
RFP/PTB/PSB/Item: NA
Contract/Job: NA

Date: 05/23/2023
Wang No.: PKE235163

Task Description	Units	Unit Price	Extended Cost
TRAFFIC CONTROL			
<u>Expressway (1/2 mile)</u>			
Shoulder Closure	0 No.	\$1,060.00 /Each	\$0.00
One-lane Closure	0 No.	\$3,450.00 /Each	\$0.00
Two-lane Closure	0 No.	\$3,660.00 /Each	\$0.00
Three-lane Closure-Only Saturday	0 No.	\$4,050.00 /Each	\$0.00
Ramp Closure (Exit-Entrance)	0 No.	\$1,090.00 /Each	\$0.00
Additional 1/2 mile	0 No.	\$100.00 /Each	\$0.00
<u>Arterial (1/2 mile)</u>			
Shoulder Closure	0 No.	\$900.00 /Each	\$0.00
One-lane Closure	0 No.	\$1,000.00 /Each	\$0.00
Two-lane Closure	0 No.	\$1,100.00 /Each	\$0.00
Detour	0 No.	\$1,100.00 /Each	\$0.00
U-2	0 No.	\$1,300.00 /Each	\$0.00
Standard #701421 (Over 45mph)	0 No.	\$1,900.00 /Each	\$0.00
<u>Impact Attenuator with Driver</u>			
Port-to-Port	20 Hours	\$185.00 /Hour	\$3,700.00
<u>Roadway Flagmen (two-man crew)</u>			
Port-to-Port	0 Hours	\$250.00 /Hour	\$0.00
			\$3,700.00

Note: Prices are for weekday only (Monday through Friday). Weekend rates (Saturdays and Sundays) are higher and will be provided per project

FIELD VEHICLES & MILEAGE			
<u>Field Vehicle</u>			
Field Vehicle Mileage (>100 Miles per Day)	0.0 Miles	\$0.655 /Mile	\$0.00
Field Vehicle Daily (<100 Miles per Day)	4 Days	\$65.00 /Day	\$260.00
			\$260.00

OUT-OF-TOWN EXPENSES				
Per County	Lodging	0 Days	\$100.00 /Day	\$0.00
	Per Diem	0 Days	\$50.00 /Day	\$0.00
				\$0.00

SUMMARY			
	DRILLING, SAMPLING & INSITU TESTING		\$10,140.00
	LABORATORY TESTING		\$2,073.00
	TRAFFIC CONTROL		\$3,700.00
	FIELD VEHICLES & MILEAGE		\$260.00
	OUT-OF-TOWN EXPENSES		\$0.00
			\$16,173.00

Work Zone Safety, Inc.

CERTIFIED DBE/WBE

17051 Gaylord Road Phone: 815-834-0429
Crest Hill, Illinois 60403 Fax: 815-834-2357

www.workzonesafetyinc.com

2023 Preferred Customer Temporary Lane Closure Prices District 1

(Updated Prices as of 1/02/23 - Prices subject to change)

<u>Expressway Closures</u>	<u>M-F</u>	<u>Sat</u>	<u>Sun</u>
Shoulder Expressway	\$975	\$1,100	\$1,400
1-Lane Expressway *	\$3,300	\$3,525	\$4,050
2-Lane Expressway *	\$3,500	\$3,750	\$4,300
3-Lane Expressway *	-----	\$4,050	\$4,600
Full Closure of all lanes *	-----	\$4,300	\$4,850
Entrance Ramp Expwy	\$975	\$1,100	\$1,400
Exit Ramp Expressway	\$1,000	\$1,150	\$1,450

Closure length is approximately 1/2 mile - additional 1/2 mile work zones will be charged \$100 each

* Pricing includes setup and removal of lane closures per IDOT/Tollway standards

Any additional impact attenuators requested will be charged hourly port to port

<u>Arterial Closures</u>	<u>M-F</u>	<u>Sat</u>	<u>Sun</u>	<u>Rental Pricing Starting Day 2 ^</u>
1-Lane Arterial	\$1,000	\$1,150	\$1,300	\$75
2-Lane Arterial	\$1,100	\$1,250	\$1,400	\$100
Shoulder Arterial	\$900	\$1,050	\$1,200	\$30
Detour Arterial	\$1,100	\$1,250	\$1,400	\$50
U-2 Arterial	\$1,300	\$1,450	\$1,600	\$125
Standard #701421 (Over 45mph)	\$1,900	\$2,150	\$2,450	\$150

Closure length is approximately 1/2 mile - additional 1/2 mile work zones will be charged \$100 each

Arterial pricing includes setup and removal of closures per IDOT standards

^ Rental pricing starts day 2 on site and is charged daily until equipment is picked up

	<u>Straight Time</u>	<u>OT & Sat</u>	<u>Sun</u>
Flagger (port to port) **	\$125/hr	\$150/hr	\$175/hr
Impact Attenuator Truck with Driver (port to port)	\$225/hr	\$255/hr	\$285/hr

** Pricing is *PER FLAGGER* and includes signage/equipment required for flagging operation

Pricing for other Districts available on request

Call or email estimating@workzonesafetyinc.com for specific project pricing



DATE: 12/20/22
DESCRIPTION: TRAFFIC CONTROL PRICING FOR THE 2023 CONSTRUCTION SEASON IN
COOK, WILL, DUPAGE, KANE, KENDALL, GRUNDY, AND LAKE COUNTIES IN IL.

SUBMITTED BY: BILL SEEMAN
(815) 372-2300 x4001
bseeman@roadsafetraffic.com

A THREE (3) WEEK NOTICE IS REQUIRED BEFORE ANY PORTION OF WORK CAN BE PERFORMED.
EXCLUDES ADD'L INSURANCE PAST IDOT/ISTHA ART. 107.27, RAILROAD, PROFESSIONAL, & POLLUTION INS., BONDS, PERMITS, TAXES & FEES.
ROADSAFE DOES NOT PROVIDE ISO CG 20 10 10/01 & CG 20 37 10/01 ENDORSEMENTS; WE COULD PROVIDE THE 12/19 ENDORSEMENTS.

QUOTE IS BASED ON WORK BEING PERFORMED DURING THE 2023 CONSTRUCTION SEASON.
THE CONSTRUCTION SEASON IS DEFINED BY WORK BEING PERFORMED BETWEEN APRIL UP TILL NOVEMBER.
FINAL PAYMENT IS BASED ON QUANTITIES PERFORMED MULTIPLIED BY THE UNIT PRICING QUOTED.

QUOTED PRICES DO NOT INCLUDE ANY OF THE FOLLOWING:

- ADVANCED NOTICE CHANGEABLE MESSAGE BOARDS, BARRIER WALL WORK, AND IMPACT ATTENUATORS.
- TRAFFIC CONTROL EQUIPMENT DAILY MOVEMENTS AND MAINTENANCE. TRAFFIC SURVEILLANCE/SERVICE, SPOTTERS, &/OR FLAGGERS.

TEMPORARY DAILY EXPRESSWAY CLOSURES (PRICE INCLUDES 1 SET-UP & 1 TAKE-DOWN):

EXCLUDES: EXTENDED WEEKEND CLSR., TRUCK MT. ATTEN., RUMBLE STRIPS, DETOUR, FLAGGERS, SPOTTERS, & TEMP. PVMT. MK.

* INCLUDES: TRUCK-MOUNTED ATTENUATOR FOR SET-UP & TAKE-DOWN OF THE LANE CLOSURE ONLY. (IDOT STD 701428)

	<u>M, T, W, T, F</u>	<u>SAT.</u>	<u>SUN.</u>	<u>EQUIP. RENTAL DAY MONTH</u>
TOLLWAY E2-07, 1 LANE CLSR, 1 DIRECT., 1 LOC., UP TO A MILE:	\$ 3,000	\$ 3,750	\$ 4,500	\$350 \$7,000
TOLLWAY E2-07, 2 LANE CLSR, 1 DIRECT., 1 LOC., UP TO A MILE:	\$ 3,750	\$ 4,500	\$ 5,250	\$375 \$7,500
TOLLWAY E2-07, 3 LANE CLSR, 1 DIRECT., 1 LOC., UP TO A MILE:	\$ 4,500	\$ 5,250	\$ 6,000	\$400 \$8,000
* IDOT 1 LANE CLOSURE, 1 DIRECT., 1 LOCATION, UP TO A MILE:	\$ 4,250	\$ 5,000	\$ 5,750	\$350 \$7,000
* IDOT 2 LANE CLOSURE, 1 DIRECT., 1 LOCATION, UP TO A MILE:	\$ 5,000	\$ 5,750	\$ 6,500	\$375 \$7,500
* IDOT 3 LANE CLOSURE, 1 DIRECT., 1 LOCATION, UP TO A MILE:	\$ 5,750	\$ 6,500	\$ 7,250	\$400 \$8,000
SHLDR CLSR, 1 DIRECTION, 1 LOCATION, UP TO A 1/2 MILE:	\$ 1,500	\$ 2,000	\$ 2,500	\$125 \$2,500
EACH ADDITIONAL 1/2 MILE:	\$ 150	\$ 175	\$ 200	\$ 25 \$ 500
PARTIAL RAMP CLOSURE, 1 DIRECTION, 1 LOCATION:	\$ 1,500	\$ 2,000	\$ 2,500	\$150 \$3,000
FULL RAMP CLSR (NO DETOUR/OVRHD SIGN), 1 DIRECT., 1 LOC.:	\$ 1,500	\$ 2,000	\$ 2,500	\$150 \$3,000
WEAVE WITHIN A LANE CLOSURE OR A LANE TO LANE SHIFT:	\$ 1,000	\$ 1,500	\$ 2,000	
FOR A LANE CLOSURE OF MORE THAN ONE (1) LANE				
ONE (1) MOVEMENT OF TC EQUIPMENT PER EACH LANE:	\$ 1,000	\$ 1,500	\$ 2,000	

TEMPORARY DAILY NON-EXPRESSWAY CLOSURES (PRICE INCLUDES 1 SET-UP & 1 TAKE-DOWN):

EXCLUDES: EXTENDED WEEKEND CLSR., TRUCK MT. ATTEN., RUMBLE STRIPS, DETOUR, FLAGGERS, SPOTTERS, & TEMP. PVMT. MK.

	<u>M, T, W, T, F</u>	<u>SAT.</u>	<u>SUN.</u>	<u>EQUIP. RENTAL DAY MONTH</u>
SHOULDER CLSR, 1 DIRECTION, 1 LOCATION, UP TO A 1/2 MILE:	\$ 1,500	\$ 2,000	\$ 2,500	\$125 \$2,500
1 LANE CLOSURE, 1 DIRECTION, 1 LOCATION, UP TO A 1/2 MILE:	\$ 1,500	\$ 2,000	\$ 2,500	\$150 \$3,000
2 LANE CLOSURE, 1 DIRECTION, 1 LOCATION, UP TO A 1/2 MILE:	\$ 2,750	\$ 3,250	\$ 3,750	\$200 \$4,000
EACH ADDITIONAL 1/2 MILE:	\$ 125	\$ 150	\$ 175	\$ 25 \$ 500

	<u>M, T, W, T, F (+ST)</u>	<u>SATURDAY (OT)</u>	<u>SUNDAY (DT)</u>
1 - HOURLY SERVICE WORKER OR FLAGGER W/ TC EQUIP., 4 HR. MIN., PORT. - PORT.:	\$ 139	\$ 169	\$ 199
1 - HOURLY TRUCK MOUNTED ATTEN. W/ A DRIVER, 4 HR. MIN., PORT. - PORT.:	\$ 239	\$ 269	\$ 299

* NOTE: RATE IS BASED ON STRAIGHT TIME 8 HOUR DAY; ADD'L TIME WILL BE CHARGED AS OVERTIME.

IF NEEDED: AN ADVANCED NOTICE CHANGEABLE MESSAGE BOARD WILL BE \$125 PER EACH PER CAL DAY; MIN. 1 WEEK OF RENTAL.
INCLUDES ONE (1) DROP-OFF AND ONE (1) PICK-UP; PLUS ONE (1) PROGRAMMABLE MESSAGE.



UNLESS OTHERWISE STATED, QUOTE EXCLUDES THE FOLLOWING

(A) : MISCELLANEOUS ITEMS

1. TEMPORARY PVMNT. MARKINGS, 2. CORING INTO PAVEMENT,
3. AFADS, 4. RESIDENT NOTIFICATION, 5. NO PARKING SIGNS,
6. EROSION CONTROL, 7. RESTORATION, 8. LANDSCAPING,
9. STEEL PLATES, 10. ELECTRICAL, 11. NIGHTTIME LIGHTING,
12. EXCAVATION, 13. OVERHEAD SIGNS, 14. TRAFFIC SIGNALS,
15. PVMNT. MK. REMOVAL, 16. SNOW REMOVAL, 17. BARRIER WALL.

(B) : WORK ASSOCIATED WITH

1. ADA/ACCESS RAMPS, 2. DRIVEWAYS,
3. BACKFILLING, 4. TRENCHING,
5. DRAINAGE, 6. OPEN HOLES,
7. RDWY/STRUCTURE CLEAN/REPAIR,
8. WELDING/BOLT OF LIDS & GRATES,
9. EXISTING SIGNAGE, 10. FENCING.

***** PRICING IS VALID FOR 30 DAYS AFTER THE ABOVE DATE. | PAYMENT NET 30 : NO RETENTION. NO PAID WHEN PAID. *****

Exhibit F

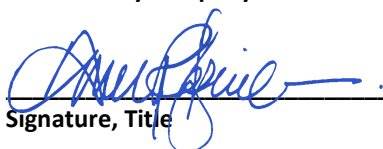
Vendor Certification Form



VENDOR CERTIFICATION FORM

Bid/RFP/SOI Number:	Section Number 22-00999-93-ES		
Vendor Name:	Parsons Transportation Group, Inc.		
Address:	10 South Riverside, Suite 400, Chicago, IL 60606		
Primary Contact Name:	Jeffrey Hall		
Primary Contact Email Address:	Jeffrey.Hall@Parsons.com		
Primary Contact Phone Number:	312-930-5160		
Project Manager Name:	Jeffrey Hall		
Project Manager Email Address:	Jeffrey.Hall@Parsons.com		
Project Manager Phone Number:	312-930-5160		
# Years in Business:	79+ years	Number of Employees:	16,000+ Worldwide
Annual Sales:	\$4.6B Contract Awards	Dunn & Bradstreet #:	00-797-9396
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).			
	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		
X	None		
Other (Specify)			
Certification Number:			
Certified by (Agency):			

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

Amar Rajpurkar, Vice President

Printed Name, Title

May12, 2023

Date

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**
A business that is either owned and operated with a mailing address within the boundaries of Lake County or a corporate business with at least one “brick and mortar” location within the boundaries of Lake County. No additional certification is required; however, address verification for location may be requested.

Exhibit G

Vendor Disclosure Statement



VENDOR DISCLOSURE STATEMENT

Vendor Name:	Parsons Transportation Group, Inc.		
Address:	10 South Riverside, Suite 400, Chicago, IL 60606		
Contact Person:	Jeffrey Hall	Contact Phone #:	312-930-5160
Bid/RFP/SOI/Contract/Renewal:	Section Number 22-00999-93-ES		

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

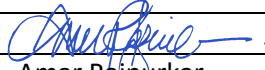
List campaign contributions that have been made within the last five years that exceed \$150 annually. Attach additional pages as necessary. (Provide all names or state none in the space below. Do not leave blank.)

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.

The full text of the County's Ethics and Procurement policies and ordinances are available at 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:	Vice President
Printed Name:	Amar Rajpurkar	Date:	May 12, 2022

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

☐