



# Local Public Agency Engineering Services Agreement

# DRAFT



Using Federal Funds?  Yes  No Agreement For

Agreement Type

### LOCAL PUBLIC AGENCY

Local Public Agency	County	Section Number	Job Number
Lake County Division of Transportation	Lake	21-00096-05-RS	
Project Number	Contact Name	Phone Number	Email
	Satrughan Shrestha	(847) 377-7456	SShrestha@lakecountyl.gov

### SECTION PROVISIONS

Local Street/Road Name	Key Route	Length	Structure Number
Hunt Club Road	FAU 2661	10,627	
Location Termini			<input type="button" value="Add Location"/>
IL 173 to State Line Road (Wisconsin State Line)			<input type="button" value="Remove Location"/>

**Project Description**  
 Hunt Club Road Resurfacing from IL Route 173 to State Line Road (Wisconsin State Line). The length of the improvement is approximately 10,627 ft. (2.01 miles) along Hunt Club Road. The improvements will generally consist of a 2" HMA surface removal, adding 4-1/2" of HMA asphalt consisting of 3/4" HMA leveling course, Area Reflective Crack Control Fabric, 2-1/4" HMA Binder Course, Longitudinal Joint Sealant, and 1-3/4" HMA N50 Surface Course. Where possible, shoulder widening to provide a bike-friendly HMA shoulder will be included in this project. The improvement will also provide various drainage improvements, including spot ditch regrading, driveway culvert replacement, and cross-road culvert rehabilitation where needed.

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

Consultant (Firm) Name	Contact Name	Phone Number	Email
Gewalt Hamilton Associates, Inc	Michael Vasak, PE	(847) 821-6286	mvasak@gha-engineers.com
Address	City	State	Zip Code
625 Forest Edge Drive	Vernon Hills	IL	60061

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	A full time LPA employee authorized to administer inherently governmental PROJECT activities
Contractor	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: Direct Costs Check Sheet
- EXHIBIT D: Qualification Based Selection (QBS) Checklist
- EXHIBIT E: Cost Estimate of Consultant Services Worksheet (BLR 05513 or BLR 05514 )
- Exhibit F: Detailed Manhour Estimate
- Exhibit G: Subconsultant Proposals
- Exhibit H: Anticipated Plan Sheets

#### 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 Exhibit C).

#### 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 D).
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	TIN/FEIN/SS Number	Agreement Amount
Gewalt Hamilton Associates, Inc.	36-3426053	\$195,791.00
<b>Subconsultants</b>		
- JHWetco.com, Inc.	46-2727125	\$9,930.00
- Huff & Huff, Inc.	36-3044842	\$14,992.00
Subconsultant Total		\$24,922.00
Prime Consultant Total		\$195,791.00
Total for all work		\$220,713.00
Add Subconsultant		

**AGREEMENT SIGNATURES**

Executed by the LPA:

Attest: The 

Local Public Agency Type
County

 of 

Name of Local Public Agency
County of Lake

By 

--

 Date 

--

By 

--

 Date 

--

Name of Local Public Agency 

County of Lake
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 Local Public Agency Type 

County
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 Clerk

Title 

Chair of the County Board
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(SEAL)

**RECOMMENDED FOR EXECUTION**

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

Executed by the ENGINEER:

Attest: 

Consultant (Firm) Name
Gewalt Hamilton Associates, Inc

By 

<i>PO / Gu</i>
----------------

 Date 

12/14/21
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By 

<i>Art J</i>
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 Date 

12-14-21
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Title 

CORP. SECRETARY
-----------------

Title 

PRESIDENT / COO
-----------------

**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

**Task 1 – Project Administration and Management**

LCDOT Kick-off meeting: GHA will attend a kick-off meeting with LCDOT staff to discuss the Phase II design for the Hunt Club Road Resurfacing Project to determine milestone schedule, including project specific requirements, and overall project scope. It is understood that the LCDOT will require one (1) review.

Project Coordination: GHA will coordinate the improvements along Hunt Club Road with various other agencies, including Illinois Department of Transportation (IDOT), Kenosha County Highway Department, Village of Bristol, LCFPD, Village of Old Mill Creek and Utility Companies including Kinder Morgan as necessary.

**Task 2 – Data Collection and Topographic Survey**

Data Collection: GHA will conduct field review with LCDOT staff to determine the overall scope of the project as well as identifying the limits of improvements.

Topographic Survey: GHA will prepare a topographic survey which will meet or exceed the Minimum Standards of Practice as set forth by Illinois Administrative Code for a Topographic Survey. Accordingly, we will provide the following services for the Hunt Club Road resurfacing, shoulder widening, and drainage improvements:

1. Obtain benchmark information (NAVD88) from USGS, Lake County, or Trimble VRS Now Network.
2. Horizontal coordinates shall be referenced to the State Plane Coordinate System, Illinois East Zone, NAD83 adjustment. Vertical elevations shall be referenced to the North American Vertical Datum of 1988 (NAVD88). All units shall be U.S. Survey feet and decimal parts thereof.
3. Establish ten (10) +/- permanent site benchmark(s) (i.e. crosses or boxes cut on concrete, flange bolts on fire hydrants, etc.) on site.
4. Contours will be provided at 1'-0" intervals, with an error not to exceed one-half the contour interval.
5. Elevations will be taken at 50-foot cross sections across the right-of-way width along the limits of survey, including spot grades at high points, low points, and grade changes. Points required are located at the right-of-way line, sidewalk, driveways and aprons, back of curb, flow line, centerline/concrete median, etc. The topography will extend approximately 15 feet beyond the existing ROW. The survey limits will also extend 50 feet into the intersecting public side streets along the project limits.
6. The survey will show the location of the visible ground features, physical improvements with the project limits including location and elevation of light poles, utility poles, traffic lights, sidewalks, driveways, fences, guard rails, signage, striping, overhead wires, etc.
7. The location of underground utilities, both observed and from record information such as municipal utility atlases, will be provided and will including location and size of water mains, fire hydrants and valves. The survey will show depth, size, and direction of flow for all sanitary, storm drains, and culverts serving the property. The location of all manholes, catch basins and all pipe inverts that are accessible from will be depicted.
8. Location of "dry" utilities such as telephone, electric, gas and cable T.V. lines, etc. will be depicted based on visual surface evidence and available utility atlas information from the respective utility companies. The cost for marking of private utilities is not included in this proposal, but GHA will include this information if the Client arranges to have private utilities marked in the field prior to our field visit.
9. Locate existing tree and brush lines in the right-of-way (ROW). Individual free-standing trees of 6" caliper or greater at breast height (DBH) will be individually located (tagging and identification are not included); and will be shown as deciduous or coniferous. Groupings of trees or landscaped areas will be shown in mass.

Establish ROW: GHA will locate available right-of-way (ROW) monumentation and establish ROW within project limits per tax maps for purpose of exhibiting lines on the plan. No plats to be created.

1. Survey and establish the ROW based on available and recovered monumentation located at the same time the existing conditions topo is being completed. No extra effort to find all monuments but the crew must find some monuments for survey calculation.

2. Right-of-way shall be based on field located property corners and other survey markers, etc., as well as tax map documents available through the County Recorder's website.

Note: If additional information is required, GHA will provide the Client with a cost estimate for obtaining the title commitments for the parcels. Title commitments will not be obtained without the written authorization of the Client. The fee for the title commitments will be billed to the Client without markup.

All required survey will follow LCDOT Design Survey Procedures (Revised 2/22/2021) as found on the LCDOT website.

### Task 3 – Pre-Final Plans, Special Provisions, and Estimates (90%)

Pre-Final Plans: GHA will develop pre-final plans for the resurfacing of Hunt Club Road based on field survey, field inspections, and the LCDOT scoping report for the proposed project. A list of anticipated plan sheets can be found in Exhibit H. The following assumptions have been made per the LCDOT scoping report:

1. Plans will include the rehabilitation of up to three (3) cross-road culverts, the possible extensions of eleven (11) cross-road culverts due to proposed shoulder widening, and the replacement of all driveway culverts.
2. Three (3) ditch locations where standing water has been identified will be investigated and improved as needed.
3. The proposed resurfacing will not include slope correction.
4. The existing vertical profile will be reviewed for compliance with 3R design criteria outlined in the IDOT Bureau of Local Roads & Streets Manual.
5. All existing guardrail within the project area will be replaced and reviewed for length of need.
6. The LCDOT scoping report indicates minimal crashes within the project area. Therefore, proposed centerline pavement marking for passing zones will match existing locations and no sight distance studies will be performed as a part of this project.
7. Maintenance of Traffic is anticipated to be performed via standard details for moving operations, day-time closures, and shoulder closures. No project-specific traffic control or suggested stages of construction will be required.
8. LCDOT will perform all necessary culvert or storm sewer televising and inspection.
9. LCDOT will provide a list of any property access points that will be removed as a part of this project.
10. LCFPD is proposing a path connection and crossing within the project limits. Any necessary information regarding that project will be incorporated in the Hunt Club Road resurfacing plans. Design of a possible RRFB at this proposed crossing is not included in this contract.
11. All work shall be within the existing ROW.

Pre-Final Special Provisions: GHA will prepare the final contract special provisions booklet, GHA will include the IDOT Supplemental and Recurring Special Provision checklist, BDE Special Provision checklist, and project specific special provisions required for the contract.

Pre-Final Estimates: GHA will prepare pre-final estimates of cost and time based on the summary of quantities calculated for the pre-final plans.

Pre-Final Review: GHA will submit pre-final plans to the LCDOT, as determined in the kick-off meeting, to provide sufficient time for review and comment.



#### Task 4 – Final Plans, Special Provisions and Estimates (100%)

Final Plans: All comments received pertaining to the pre-final plans will be addressed and a disposition to comments will be provided and changes will be incorporated into the final engineering plans.

Final Special Provisions: All comments received pertaining to the pre-final special provisions will be addressed and a disposition to comments will be provided.

Final Quantity Calculations: The quantities will be updated based on changes made to the plans after the pre-final plan review.

Final Estimates: The final estimates of cost and time will be updated based on the revised quantities.

#### Task 5 – Permitting

USACE Permitting: Any work proposed around culvert outfalls may require a Letter of No Objection (LONO) with the Army Corp of Engineers. GHA will utilize the services of JHWetco to perform wetland delineation, prepare a wetland determination report, submittal to LCSMC for jurisdictional determination, and submittal of the application and pre-construction notice for an USACE Nationwide or Regional permit. JHWetco's proposal dated December 3, 2021 is attached (Exhibit G) to this proposal.

Lake County Stormwater Management (LCSMC) Permitting: There is one floodplain area along the Hunt Club Road corridor. The proposed HMA overlay and shoulder widening would cause fill within this floodplain. GHA will determine the BFE of this floodplain, and GHA will coordinate and obtain necessary permits from LCSMC if there is fill above the BFE. Riverine modeling will not be required to determine the BFE of this floodplain. It is assumed that this project will fall under the Watershed Development Ordinance (WDO) Countywide Permit Number 1.

IDOT Permitting: Resurfacing near IL 173 may impact detector loops for the IDOT owned traffic signal. A permit for this work would be required.

#### Task 6 – CCDD Spoil Management

The County is proposing to add bicycle friendly paved shoulders wherever feasible, requiring earth excavation. Ditch regrading and culvert rehabilitation or replacement will also require earth excavation. GHA will utilize the services of Huff & Huff to perform soil management services for documentation of final disposition at Clean Construction and Demolition Debris (CCDD) facilities. Huff & Huff's proposal dated December 6, 2021 is attached (Exhibit G) to this proposal.

#### Task 7 – Quality Assurance / Quality Control

Pre-Final QA/QC Review: Prior to submission of pre-final plans to the LCDOT for review, GHA will perform an internal Quality Assurance / Quality Control review of the completed design. The review will be performed by a professional engineer independent of the design team. The review will consider constructability issues as well as identification of required pay items, quantities of work, and special provisions required.

Final QA/QC Review: Prior to submission of final plans to the LCDOT, GHA will perform a second QA/QC review of the plans and special provisions.

Lake County Division of Transportation

Lake

21-00096-05-RS

**EXHIBIT B  
PROJECT SCHEDULE**

## Project Kick Off Meeting February 2022

## Coordination and Data Collection

February 2022 - March 2022

## • Utility Coordination

February 2022 - Ongoing

## • Field Survey

February 2022 - March 2022 (Weather Dependand)

## • Field Review with LCDOT Staff

April or May 2022 (Weather Dependand)

## Pre-Final Plans (90%)

March 2022 - September 2022

## • Pre-Final PS&amp;E Submission

October 1, 2022

## Final Plans (100%)

October 2022 - November 2022

## • Final PS&amp;E Submission

December 1, 2022

## LCDOT Letting

March 7, 2023

Lake County Division of Transportation

Lake

21-00096-05-RS

**Exhibit C  
Direct Costs Check Sheet**

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.

Item	Allowable	Quantity	Contract Rate	Total
<input type="checkbox"/> Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual cost (Up to state rate maximum)			
<input type="checkbox"/> Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			
<input type="checkbox"/> Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			
<input type="checkbox"/> Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum			
<input checked="" type="checkbox"/> Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day	15	\$65.00	\$975.00
<input type="checkbox"/> Vehicle Rental	Actual cost (Up to \$55/day)			
<input type="checkbox"/> Tolls	Actual cost			
<input type="checkbox"/> Parking	Actual cost			
<input type="checkbox"/> Overtime	Premium portion (Submit supporting documentation)			
<input type="checkbox"/> Shift Differential	Actual cost (Based on firm's policy)			
<input checked="" type="checkbox"/> Overnight Delivery/Postage/Courier Service	Actual cost (Submit supporting documentation)	4	\$20.00	\$80.00
<input checked="" type="checkbox"/> Copies of Deliverables/Mylars (In-house)	Actual cost (Submit supporting documentation)	500	\$0.20	\$100.00
<input type="checkbox"/> Copies of Deliverables/Mylars (Outside)	Actual cost (Submit supporting documentation)			
<input type="checkbox"/> Project Specific Insurance	Actual Cost			
<input type="checkbox"/> Monuments (Permanent)	Actual Cost			
<input type="checkbox"/> Photo Processing	Actual Cost			
<input type="checkbox"/> 2-Way Radio (Survey or Phase III Only)	Actual Cost			
<input type="checkbox"/> Telephone Usage (Traffic System Monitoring Only)	Actual Cost			
<input type="checkbox"/> CADD	Actual cost (Max \$15/hour)			
<input type="checkbox"/> Web Site	Actual cost (Submit supporting documentation)			
<input type="checkbox"/> Advertisements	Actual cost (Submit supporting documentation)			
<input type="checkbox"/> Public Meeting Facility Rental	Actual cost (Submit supporting documentation)			
<input type="checkbox"/> Public Meeting Exhibits/Renderings & Equipment	Actual cost (Submit supporting documentation)			
<input type="checkbox"/> Recording Fees	Actual Cost			
<input type="checkbox"/> Transcriptions (specific to project)	Actual Cost			
<input type="checkbox"/> Courthouse Fees	Actual Cost			
<input type="checkbox"/> Storm Sewer Cleaning and Televising	Actual cost (Requires 2-3 quotes with IDOT approval)			
<input type="checkbox"/> Traffic Control and Protection	Actual cost (Requires 2-3 quotes with IDOT approval)			
<input type="checkbox"/> Aerial Photography and Mapping	Actual cost (Requires 2-3 quotes with IDOT approval)			
<input type="checkbox"/> Utility Exploratory Trenching	Actual cost (Requires 2-3 quotes with IDOT approval)			
<input type="checkbox"/> Testing of Soil Samples	Actual Cost			
<input type="checkbox"/> Lab Services	Actual Cost (Provide breakdown of each cost)			
<input type="checkbox"/> Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
Total Direct Costs				\$1,155.00

Local Public Agency	County	Section Number
Lake County Division of Transportation	Lake	21-00096-05-RS

**Exhibit D  
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		
	-		
	Add		
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"/>



<b>Local Public Agency</b> Lake County Division of Transportation	<b>County</b> Lake	<b>Section Number</b> 21-00096-05-RS
<b>Consultant (Firm) Name</b> Gewalt Hamilton Associates	<b>Prepared By</b> Michael Vasak	<b>Date</b> 12/7/2021

### PAYROLL ESCALATION TABLE

CONTRACT TERM	18	MONTHS	OVERHEAD RATE	160.00%
START DATE	2/1/2022		COMPLEXITY FACTOR	0
RAISE DATE	5/1/2022		% OF RAISE	2.00%
END DATE	7/31/2023			

### ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	2/1/2022	5/1/2022	3	16.67%
1	5/2/2022	5/1/2023	12	68.00%
2	5/2/2023	8/1/2023	3	17.34%

---

**The total escalation = 2.01%**





**Local Public Agency**

Lake County Division of Transportation

**County**

Lake

**Section Number**

21-00096-05-RS

**AVERAGE HOURLY PROJECT RATES**

Exhibit E Cost Estimate of Consultants Services Worksheet Fixed Raise

SHEET 1 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			Project Administration and Management			Data Collection and Topographic Survey			Pre-Final Plans, Special Provisions, and Estimates			Final Plans, Special Provisions, and Estimates			Permitting		
		Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg
Principal	78.00	0.0																	
CE VI	75.79	78.0	4.90%	3.71	16	8.25%	6.25	8	2.68%	2.03	10	1.36%	1.03	4	2.17%	1.65			
CE V	71.70	12.0	0.75%	0.54							4	0.54%	0.39				8	10.00%	7.17
CE IV	59.30	279.0	17.51%	10.39	48	24.74%	14.67	16	5.37%	3.18	117	15.88%	9.41	22	11.96%	7.09	16	20.00%	11.86
CE III	49.73	0.0																	
CE II	38.28	336.0	21.09%	8.07	88	45.36%	17.37	8	2.68%	1.03	178	24.15%	9.25	42	22.83%	8.74	20	25.00%	9.57
CE I	31.99	266.0	16.70%	5.34	16	8.25%	2.64	16	5.37%	1.72	188	25.51%	8.16	46	25.00%	8.00			
LS IV	52.02	50.0	3.14%	1.63				50	16.78%	8.73									
LS II	41.19	120.0	7.53%	3.10				120	40.27%	16.59									
GISP III	57.12	4.0	0.25%	0.14							4	0.54%	0.31						
AICP II	33.15	0.0																	
ET V	60.74	0.0																	
ET IV	41.68	0.0																	
ET III	32.43	352.0	22.10%	7.17				80	26.85%	8.71	210	28.49%	9.24	62	33.70%	10.93			
ET II	30.82	0.0																	
ET I	23.31	0.0																	
AD I	25.82	76.0	4.77%	1.23	26	13.40%	3.46				26	3.53%	0.91	8	4.35%	1.12	16	20.00%	5.16
Environmental Consultant I	29.58	20.0	1.26%	0.37													20	25.00%	7.40
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
<b>TOTALS</b>		1593.0	100%	\$41.70	194.0	100.00%	\$44.39	298.0	100%	\$41.98	737.0	100%	\$38.70	184.0	100%	\$37.52	80.0	100%	\$41.16



**Local Public Agency**

Lake County Division of Transportation

**County**

Lake

**Section Number**

21-00096-05-RS

**AVERAGE HOURLY PROJECT RATES**

Exhibit E Cost Estimate of Consultant Services Worksheet Fixed Raise

SHEET 2 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	CCDD Soil Management			Quality Assurance / Quality Control														
		Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg			
Principal	78.00																		
CE VI	75.79				40	41.67%	31.58												
CE V	71.70																		
CE IV	59.30	4	100.00%	59.30	56	58.33%	34.59												
CE III	49.73																		
CE II	38.28																		
CE I	31.99																		
LS IV	52.02																		
LS II	41.19																		
GISP III	57.12																		
AICP II	33.15																		
ET V	60.74																		
ET IV	41.68																		
ET III	32.43																		
ET II	30.82																		
ET I	23.31																		
AD I	25.82																		
Environmental Consultant I	29.58																		
<b>TOTALS</b>		4.0	100%	\$59.30	96.0	100%	\$66.17	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00

	Principal	CE VI	CE V	CE IV	CE III	CE II	CE I	LS IV	LS III	LS II	LS I	GISP III	GISP I	EC II	EC I	ET V	ET IV	ET III	ET II	ET I	AD I	Total Hours
<b>I. Project Administration and Management</b>																						
Meetings		4		8		8															2	22
Project Management		12		40		80															16	148
Utility Coordination as Necessary							16														8	24
I. Category Subtotal	0	16	0	48	0	88	16	0	0	0	0	0	0	0	0	0	0	0	0	0	26	194
<b>II. Data Collection and Topographic Survey</b>																						
Field Survey										90												90
Establish ROW								50		30												80
Reduction of Field Survey (Office)																		80				80
Site Visit with LCDOT Staff		8		8		4																20
Obtain and Review Existing Plans				8		8	12															28
II. Category Subtotal	0	8	0	16	0	8	16	50	0	120	0	0	0	0	0	0	0	80	0	0	0	298
<b>III. Pre-Final Plans, Special Provisions, and Estimates</b>																						
A. Pre-Final Plans																						0
Cover Sheet, General Notes, Standards				2		8																10
Summary of Quantities				4		4																16
Schedule of Quantities						12																12
Typical Sections				4		16																20
Alignment and Ties				2														6				8
Traffic Control Plan						4	12															16
Removal Plan				2		4	8											8				22
Resurfacing and Drainage Improvement Plan		4	4	45		80	80					4						100				317
Erosion and Sediment Control Plan						12	16											16				44
Guardrail Study and Replacement Plan				16														8				24
Intersection Detail (Edwards Road)				4														4				8
Cross Sections				16		20	16											20				72
Details and Standards						2	4											8				14
B. Pre-Final Special Provisions																						
Recurring and Supplemental Special Provisions				2																		2
BDE Special Provisions				2																		2
Project Specific Special Provisions		2		6		16															24	48
C. Pre-Final Schedule of Quantities				4		12	16											40				72
D. Pre-Final Estimate of Cost and Time				4		4	8															16
E. Pre-Final Review Meeting with LCDOT		4		4		4															2	14
III. Category Subtotal	0	10	4	117	0	178	188	0	0	0	0	4	0	0	0	0	0	210	0	0	26	737
<b>IV. Final Plans, Special Provisions, and Estimates</b>																						
A. Final Plans																						0
Cover Sheet, General Notes, Standards						2																2
Summary of Quantities						2	4															6
Schedule of Quantities				2		4	8															14
Typical Sections						2												4				6
Alignment and Ties																		2				2
Traffic Control Plan						2	4											4				10

	Principal	CE VI	CE V	CE IV	CE III	CE II	CE I	LS IV	LS III	LS II	LS I	GISP III	GISP I	EC II	EC I	ET V	ET IV	ET III	ET II	ET I	AD I	Total Hours
Removal Plan						2	4											4				10
Resurfacing and Drainage Improvement Plan				8		8	8											12				36
Erosion and Sediment Control Plan																		8				8
Guardrail Replacement Plan						4												4				8
Intersection Detail (Edwards Road)																		4				4
Cross Sections						4												4				8
Details and Standards																		4				4
<b>B. Final Special Provisions</b>																						
Recurring and Supplemental Special Provisions							2															2
BDE Special Provisions							2															2
Project Specific Special Provisions				4		4															8	16
<b>C. Final Schedule of Quantities</b>				2		8	8											12				30
<b>D. Final Estimate of Cost and Time</b>				2		2																4
<b>E. Final Review Meeting with LCDOT</b>		4		4			4															12
<b>IV. Category Subtotal</b>	0	4	0	22	0	42	46	0	0	0	0	0	0	0	0	0	0	62	0	0	8	184
<b>V. Permitting</b>																						
ACOE Permitting			4			4									4						4	16
SMC Permitting			4	8		8									8						4	32
IDOT Permitting				4		8															4	16
IEPA Permitting				4											8						4	16
<b>V. Category Subtotal</b>	0	0	8	16	0	20	0	0	0	0	0	0	0	0	20	0	0	0	0	0	16	80
<b>VI. CCDD Soil Management</b>																						
Coordination with Huff & Huff				4																		4
<b>V. Category Subtotal</b>	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
<b>VII. Quality Assurance / Quality Control</b>																						
Pre-Final QA/QC Review		24		32																		56
Final QA/QC Review		16		24																		40
<b>V. Category Subtotal</b>	0	40	0	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96
<b>Total Man-Hours</b>																						1593

Exhibit G



JHWetco.com, Inc.
1924 Elmwood Drive, Highland Park, IL 60035
Tel: 847-648-1924
www.jhwetco.com jhmieleski@jhwetco.com

Professional Services Agreement

Wetland Consulting Services

Attention: Todd Gordon, P.E. (847) 821-6218

Draft #: 001

Company: Gewalt Hamilton Associates, Inc. (GHA)

Date: 12/03/2021

Address: 625 Forest Edge Dr., Vernon Hills, IL 60061

Issued By: J. Hmieleski, CWS-001

Job: Hunt Club Road Culvert/Road Improvement Project

PIN #: Hunt Club Road ROW

Address: Hunt Club Rd: IL RTE 173 to Stateline Road,

Description of Work/Schedule (Refer to Attached Sheet for Acronyms Definitions)

Lump Sum Cost:

Task 1 - Delineate wetlands and waters in Assessment Area\* using USACE manual (w/supplements) within "growing season." Collect floristic data; Place pin flags on wetland/waters border; GPS locate flags. Proposed delineation start date: May 2022 due to growing season constraints. JHW to transmit GPS data to GHA; Anticipate 4 field days.

\$ 3,500.00

Task 2 - Prepare "Wetland Determination Report" meeting LCWDO & USACE Nationwide Permits. Includes IDNR\*\* EcoCat & USFWS T&E reviews; Product: PDF file of the report: includes maps/data sheets/photos/ floristic quality tables. Task 2 to be completed 2 weeks after field work completion.

\$ 2,400.00

Task 3A - Submit to LCSMC for Preliminary Jurisdictional Determination (JD): includes application forms, maps, and one (1) meeting with USACE officials. JHW will request PJD fees invoices to LCDOT directly (anticipated fees = \$720+10x\$180=\$2520). Submit 1 week after Task 2 completion.

\$ 3,900.00

Task 3B - Submit Application and Pre-Construction Notification (PCN) for USACE Nationwide Permit or Regional Permit; incl. one (1) re-submittal. Inc. mitigation coordination. Does not include Maintenance/Monitoring plan (not likely needed). We assume GHA plans/project will conform to RPP/NWP conditions prior to submittal.

Review Fees/JHW Paid

\*Assessment area: See attached map; visually observe/approximate other ("off-site") areas includes potential size, location, and quality; Notes: If needed: GHA to contact private property owners/grant access prior to JHW site visit; \*\*IDNR EcoCat Fee estimated as \$130 paid by JHW and reimbursed at cost.

\$ 130.00

LUMP SUM Total: \$ 9,930.00

Client Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Contractor Signature: [Signature: Joseph I. Hmieleski]

Date: 12/3/2021

Note: this contract has a front and back side (conditions).

## Exhibit G

**CONSULTING AGREEMENT** – between "Customer" and JHWetco.com (the "Consultant").

The Customer is of the opinion that the Consultant has the necessary qualifications, experience and abilities to provide services to the Customer. The Consultant is agreeable to providing such services to the Customer on the terms and conditions set out in this Agreement.

**IN CONSIDERATION OF** the matters described above and of the mutual benefits and obligations set forth in this Agreement, the receipt and sufficiency of which consideration is hereby acknowledged, the Customer and the Consultant (individually the "Party" and collectively the "Parties" to this Agreement) agree as follows:

**Services Provided** The Customer hereby agrees to engage the Consultant to provide the Customer with services (the "Services") consisting of: Wetland Consulting Services as described on page 1. The Services will also include any other tasks which the Parties may agree on. The Consultant hereby agrees to provide such Services to the Customer.

**Term of Agreement** The term of this Agreement (the "Term") will begin on the date of this Agreement and will remain in full force and effect until the completion of the Services, subject to earlier termination as provided in this Agreement. The Term of this Agreement may be extended by mutual written agreement of the Parties. In the event that either Party wishes to terminate this Agreement, that Party will be required to provide thirty (30) days notice to the other Party. Except as otherwise provided in this Agreement, the obligations of the Consultant will terminate upon the earlier of the Consultant ceasing to be engaged by the Customer or the termination of this Agreement by the Customer or the Consultant.

**Compensation** For the services rendered by the Consultant as required by this Agreement, the Customer will provide compensation (the "Compensation") to the Consultant as shown on page 1, within a term of Net 30 days from JHWetco invoice.

**Expenses** We will charge a lump sum cost of five percent (5%) of the total professional billings in lieu of the separate costs associated with telephone, internet, postage, photocopying (up to 500 pages), incidental office supplies, fax transmission, and personal computer usage.

**Payment Penalties** In the event that the Customer does not comply with the rates, amounts, or payment dates provided in this Agreement, The Customer will pay a surcharge on any late payment in the amount of 5% of the late amount.

**Confidentiality** Confidential information (the "Confidential Information") refers to any data or information relating to the business of the Customer which would reasonably be considered to be proprietary to the Customer including, but not limited to, accounting records, business processes, and client records and that is not generally known in the industry of the Customer and where the release of that Confidential Information could reasonably be expected to cause harm to the Customer. The Consultant agrees that they will not disclose, divulge, reveal, report or use, for any purpose, any Confidential Information which the Consultant has obtained, except as authorized by the Customer. This obligation will survive indefinitely upon termination of this Agreement.

**Ownership of Materials and Intellectual Property** All intellectual property and related materials (the "Intellectual Property") including any related work in progress that is developed or produced under this Agreement, will be the sole property of the Customer. The use of the Intellectual Property by the Customer will not be restricted in any manner. The Consultant may not use the Intellectual Property for any purpose other than that contracted for in this Agreement except with the written consent of the Customer. The Consultant will be responsible for any and all damages resulting from the unauthorized use of the Intellectual Property.

**Return of Property** Upon the expiry or termination of this Agreement, the Consultant will return to the Customer any property, documentation, records, or Confidential Information which is the property of the Customer.

**Capacity/Independent Contractor** In providing the Services under this Agreement it is expressly agreed that the Consultant is acting as an independent contractor and not as an employee. The Consultant and the Customer acknowledge that this Agreement does not create a partnership or joint venture between them, and is exclusively a contract for service.

**Notice** All notices, requests, demands or other communications required or permitted by the terms of this Agreement will be given in writing and delivered to the Parties of this Agreement.

**Limitation of Liability** It is understood and agreed that the Consultant will not be liable to the Customer, or any agent or associate of the Customer, for any mistake or error in judgment or for any act or omission done in good faith and believed to be within the scope of authority conferred or implied by this Agreement.

**Dispute Resolution** In the event a dispute arises out of or in connection with this Agreement, the Parties will attempt to resolve the dispute through friendly consultation. If the dispute is not resolved within a reasonable period then any or all outstanding issues may be submitted to mediation in accordance with any statutory rules of mediation. If mediation is not successful in resolving the entire dispute or is unavailable, any outstanding issues will be submitted to final and binding arbitration in accordance with the laws of the State of Illinois. The arbitrator's award will be final, and judgment may be entered upon it by any court having jurisdiction within the State of Illinois.

**Modification of Agreement** Any amendment or modification of this Agreement or additional obligation assumed by either Party in connection with this Agreement will only be binding if evidenced in writing signed by each Party or an authorized representative of each Party.

**Time of the Essence** Time is of the essence in this Agreement. No extension or variation of this Agreement will operate as a waiver of this provision.

**Assignment** The Consultant will not voluntarily or by operation of law assign or otherwise transfer its obligations under this Agreement without the prior written consent of the Customer.

**Entire Agreement** It is agreed that there is no representation, warranty, collateral agreement or condition affecting this Agreement except as expressly provided in this Agreement.

**Enurement** This Agreement will enure to the benefit of and be binding on the Parties and their respective heirs, executors, administrators, successors and permitted assigns.

**Governing Law** It is the intention of the Parties to this Agreement that this Agreement and the performance under this Agreement, and all suits and special proceedings under this Agreement, be construed in accordance with and governed, to the exclusion of the law of any other forum, by the laws of the State of Illinois, without regard to the jurisdiction in which any action or special proceeding may be instituted.

**Severability** In the event that any of the provisions of this Agreement are held to be invalid or unenforceable in whole or in part, all other provisions will nevertheless continue to be valid and enforceable with the invalid or unenforceable parts severed from the remainder of this Agreement.

PAGE 2

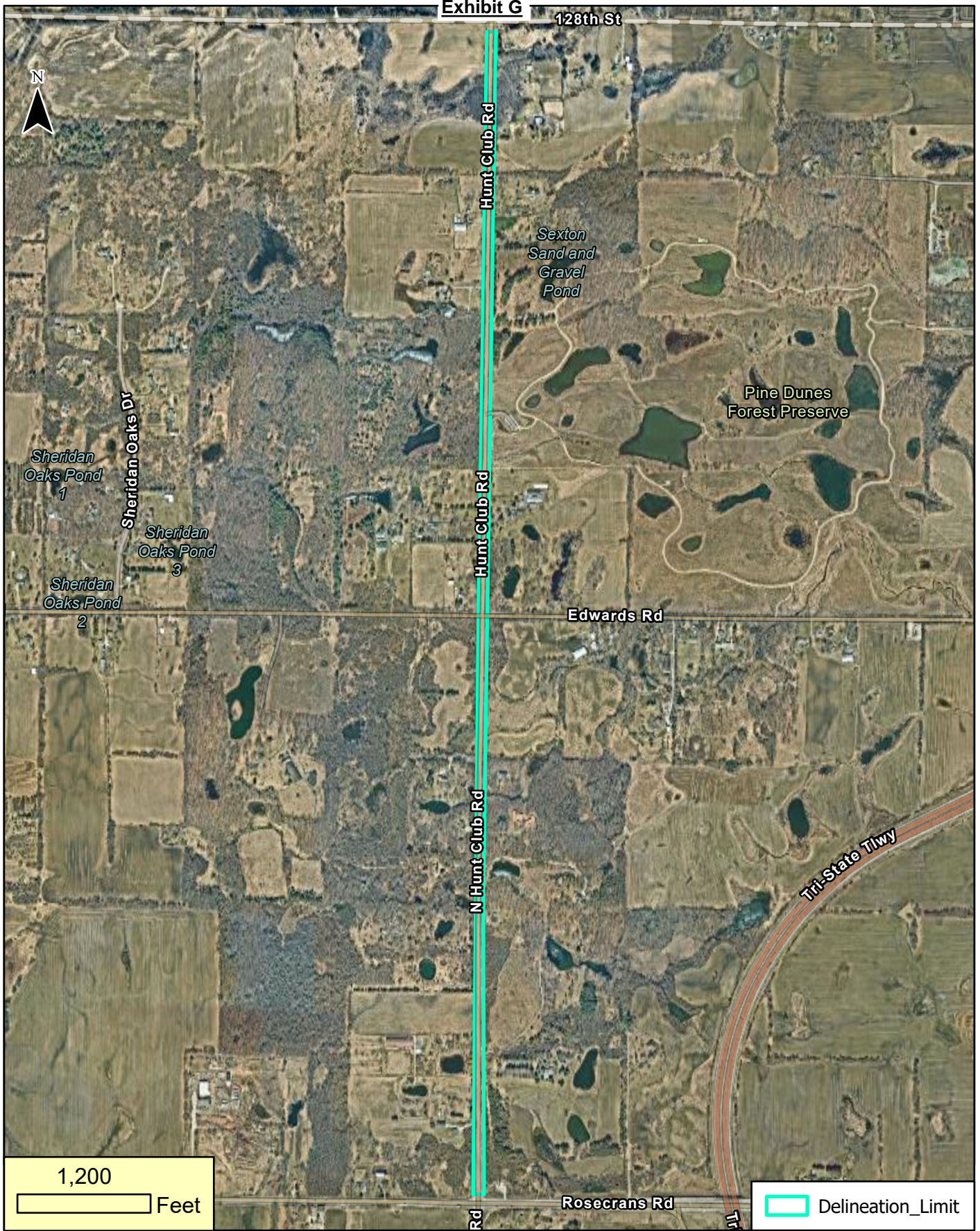


Figure 1.  
Wetland Assessment Area

**JHWETCO.COM.INC**  
 JHWetco | 1924 Elmwood Dr. Highland Park, IL | 874-648-1924

Hunt Club Road Improvement Project  
 Unincorporated Antioch, IL

Field Date: TBD

S/T/R: 5, 8, 17, T46N, R11E  
 PIN#: Road ROW  
 L/L: 87.9719970°W 42.4802855°N  
 (Center of project)

## Exhibit G

### **JHWetco's Wetland Consulting Terminology (2021)**

I provide the following list of items that you will either see in our proposal documents, or reports, or in email communication. Just for clarification –

- A wetland is by *federal* definition, "The term wetlands means areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas." Clean Water Act, 33 U.S.C. 1251 et seq. Section 120.2. Note that "wetlands" are usually vegetated, whereby waterways (like creeks, rivers), or ponds/lakes are usually not vegetated.
- A wetland "determination" is the procedure for determining if an area meets "wetland" definitions (plants, soils, flooding or wetness). JHWetco uses the federal 1987 USACE Wetland Manual, with the addition of applicable (and required) supplements. For most of Chicagoland, the "Midwest" Supplement is applicable. If others will be used, we will specify which ones separately.
- A wetland "delineation" is the process for when flags are placed on the boundary demarcating what is and what is not a wetland. Regulations require that this work be done in the "growing season" as described below.
- The term growing season usually refers to the period from bud break (spring time) to leaf drop (fall) and typically means between April 15 to October 15. This "window" changes each season and the actual definition is a bit technical so be sure to ask us if you need clarification on this item. Also note, the floristic quality assessment described below has different applicable dates and this is due to some plants being present at some part of the year and not others. We will usually try to perform the delineations during the growing season AND during the window for floristic quality so we do not have to re-visit the site and incur additional field work charges.
- Most County ordinances call for a Floristic Quality Assessment to determine overall wetland quality and this is usually done at the same time of the initial wetland field work. Note that the "official" start of when wetland delineations can be done is May 15<sup>th</sup> and ends October 1. Sometimes we can do assessments outside of this period, but the reviewing agencies may require a re-visit during the growing season. We use
- Also, once a wetland is delineated, we need to know if it is under federal (U.S. Army Corps of Engineers) or local (Isolated Waters) - this process is done by the federal or local agencies. This is called a jurisdictional determination and is transmitted via a letter after we request it from the applicable agency. In Lake County, IL, this is called a Preliminary Jurisdictional Determination (PJD). Wetlands or waterways under federal jurisdiction is called a water of the US (WOTUS); isolated waters may go by isolated waters of Lake County (IWLC) for example.
- Most county or local ordinances require delineations be done by a Certified Wetland Specialist (CWS). All JHWetco work will be done by, or under supervision of, a CWS.

#### Acronyms used in JHW proposal:

CWS = Certified Wetland Specialist (as in Lake County, IL; other counties may have other designations)  
IDNR = Illinois Department of Natural Resources; EcoCat = State listed species review  
IWLC = Isolated Waters of Lake County (under County jurisdiction)  
LCSMC = Lake County Stormwater Management Commission; MWRD= Metropolitan Water Rec. District  
WDO or LCWDO = Lake County Watershed Development Ordinance  
NWP = Nationwide Permit Program as administered by the USACE-CD  
T&E= Threatened and Endangered Species, listed by the State or U.S. (US Fish & Wildlife Service)  
RPP= Regional Permit Program as administered by the USACE-CD  
USACE-CD = U.S. Army Corps of Engineers (Chicago District Office)  
USFWS = U.S. Fish and Wildlife Service, as in relation to federal threatened or endangered species  
WOTUS = Water of the United States (federal jurisdiction)

#### References to be used for wetland delineation:

Environmental Laboratory. (1987). "Corps of Engineers Wetlands Delineation Manual," Technical Report Y-87-1, U.S. Army Engineer WES, Vicksburg, MS.  
Herman, B., Sliwinski, R. and S. Whitaker. 2017. Chicago Region FQA (Floristic Quality Assessment) Calculator. U.S. Army Corps of Engineers, Chicago, IL. (December 12, 2017 Revision).  
Wilhelm, G. and L. Rericha (2017). Flora of the Chicago Region, Indiana Academy of Science, Indianapolis, 1371 pp.  
US Army Corps of Engineers. 2020. National Wetland Plant List 2018 Update. From official USACE website: rsgisias.crrel.usace.army.mil/NWPL.  
US Army Corps of Engineers. 2010. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (Version 2.0), ed. J. S. Wakeley, R. W. Lichvar, and C. V. Noble. ERDC/EL TR-10-16. Vicksburg, MS: U.S. Army Engineer Research and Development Center.  
United States Department of Agriculture, Natural Resources Conservation Service. 2018. Field Indicators of Hydric Soils in the United States, Version 8.2. L.M. Vasilas, G.W. Hurt, and J.F. Berkowitz (eds.). USDA, NRCS, in cooperation with the National Technical Committee for Hydric Soils.  
Wilhelm, G. S. and L. A. Masters (1995). Floristic Quality Assessment in the Chicago Region and Application Computer Programs, Morton Arboretum, Lisle, IL. 17 pp. + Appendices.









A Subsidiary of GZA

GEOTECHNICAL

ENVIRONMENTAL

ECOLOGICAL

WATER

CONSTRUCTION  
MANAGEMENT

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Oak Brook, IL 60523  
T: 630.684.9100  
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www.gza.com

## Exhibit G



December 6, 2021

via email: [dbrinkman@gha-engineers.com](mailto:dbrinkman@gha-engineers.com)

Mr. Daniel P. Brinkman, P.E., PTOE  
Associate/Senior Transportation Engineer  
Gewalt Hamilton Associates, Inc.  
625 Forest Edge Drive  
Vernon Hills, Illinois 60061

**Re: Phase II Environmental Services – LPC-663 CCDD Documentation  
Hunt Club road Lake County, Illinois  
Proposal No. 81.P013103.22**

Dear Mr. Brinkman:

Huff & Huff, Inc. (H&H), a subsidiary of GZA, Inc. (Consultant) is pleased to submit this proposal to Gewalt Hamilton Associates, Inc., (Client) to perform soil management services for documentation of final disposition at Clean Construction and Demolition Debris (CCDD) facilities. This proposal presents our project approach, the scope of services, cost, and schedule for completing the project.

We understand the limits of the project along Hunt Club Road extend from just north of IL Route 173 9Station 132+58) to just south of the Illinois/Wisconsin State Line (Station 238+85), approximately 2-miles in length. Further, we understand the proposed improvements primarily consists of resurfacing, though some areas also include shoulder removal and widening and/or curb replacement

### 1. SCOPE OF SERVICES

#### Task 1 – Research and Listing Confirmation

A database will be ordered for the project corridor to review for PIPs that would indicate a potential for contaminated soil in the project corridor(s). It will include a search of standard state and federal environmental record databases in accordance with the specifications of ASTM standards. This information is utilized to determine if sites exist within close-enough proximity to impact the project corridor and to identify the potential contaminants of concern that would require laboratory analysis to confirm or deny the presence of contaminants that may affect soil disposal considerations. We anticipate completing the LPC-663 Form with mandatory minimum sampling requirements to satisfy CCDD facilities. We will also pre-mark locations for the required JULIE notification during the site visit.

#### Task 2 – Soil Sampling

An initial site visit will be conducted to mark boring locations for utility locates and to assess the project corridor. GZA proposes to conduct up to twenty-one (21) soil borings, which represents one boring per every 500 linear feet along the project corridor. Soil borings will be advanced with aid of a GeoProbe subcontractor and we have included traffic control costs for completing borings along the roadway. Soil samples will be collected continuously to terminal depth of approximately 4 to 5 feet deep and field assessed with a photo-ionization detector (PID) to aid in determining which samples to submit for laboratory analysis.



**Task 3- Laboratory Analytical**

One (1) sample per boring will be collected with a minimum of pH being analyzed at each location. Select samples will be further analyzed for parameters established as minimum sampling requirements by Thelen Sand and Gravel CCDD facility (Thelen), under assumption that spoils may be directed to their facility. Thelen requires a minimum of two (2) soil tests for the initial 500 cubic yards of material and one (1) soil test for every additional 1,000 cubic yards of material and they also request borings every 500 feet for linear projects. Since we do not currently know the anticipated volume, we have included costs for up to 10 samples for the following protocol:

- Volatile Organic Compounds (VOCs)
- Polynuclear Aromatic Hydrocarbons (PNAs)
- 8 RCRA metals (via total analysis method)
- Select RCRA Metals via TCLP analysis method as needed (Chromium anticipated at a minimum)
- Iron via TCLP analysis method
- Soil pH (each boring will include pH, for up to 21 samples)

**Task 4 – Prepare LPC Form**

GZA will prepare the LPC-663 Form documentation based on the results of the due diligence performed and laboratory analysis, assumed to be one document for the project corridor. The deliverable to Client will include a cover memo summarizing the research, sampling, and results, the LPC-Form (signed and stamped by a P.E or P.G.) and supporting documentation including a narrative of the due diligence, sampling and analytical results, photo-log, database, figures, aerial photos, and pre-authorization documentation discussed in task 5 below.

Analytical results that do not achieve the MAC values (ineligible for CCDD disposal) and/or are not within the required soil pH range of 6.25 to 9.0 will be cited as exclusion zones and referenced as the appropriate IDOT Soil Classification per Article 669.05. Based on the results, we will provide recommendations regarding options for handling, reuse (if possible) and/or disposal (if necessary) at a Sanitary Landfill. It should be noted that if Sanitary Landfill disposal is necessary, additional analytical parameters will be required to obtain a profile to dispose of material as non-special waste. Landfill disposal characterization costs are not included with this proposal and will require a supplement, if necessary, to complete.

**Task 5 – CCDD Facility Coordination**

Time under this task will be used to coordinate with various CCDD and/or uncontaminated soil fill operation (USFO) facilities that are pre-approved for receiving uncontaminated soil and/or CCDD from Client projects. GZA will submit LPC-Form documentation from this specific project to the facilities in order to secure a minimum of three (3) project-specific, pre-approval letters for incorporation into the bidding specifications. However, it should be noted that CCDD and USFO facility response is beyond our control and in some cases, it may be problematic to receive a minimum of three (3) pre-authorizations. We understand Client will include language within the bidding specifications to encourage bidding contractors to utilize one of the pre-approved facilities for off-site final disposition of spoils from this project.

**2. PROJECT COSTS**

The project costs for the proposed tasks are included on the attached BLR CPFF spreadsheets.



## **Exhibit G**

December 6, 2021  
Gewalt Hamilton Associates, Inc.  
81.P013103.22 Hunt Club Road, Lake County – PESA  
Page | 3

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

CCDD work will commence within 5 business days of project approval, with a target completion date of eight weeks from the date of approval. Please let us know if you require an expedited schedule.

### **4. TERMS AND CONDITIONS FOR PROFESSIONAL SERVICES**

#### **CONDITIONS OF ENGAGEMENT**

The conditions of engagement are proposed to be in accordance with the AGREEMENT between Gewalt Hamilton Associates, Inc., 625 Forest Edge Drive, Vernon Hills, Illinois 60061 (“GHA”) and Huff & Huff, Inc. A subsidiary of GZA GeoEnvironmental located at 915 Harger Road, suite 330 Oak Brook, IL 60523 (“SUBCONSULTANT”) dated May 15, 2015. The terms and conditions of the AGREEMENT will be reproduced by GHA and incorporated with each specific assigned work order.

#### **ACCEPTANCE**

Upon issuance, both parties will execute the project specific Subconsultant Work Order consistent with the terms and conditions of the AGREEMENT.

We appreciate the opportunity to submit this proposal. Please feel free to contact the undersigned at (630) 684-9100 with any questions.

Very truly yours,

**Huff & Huff, Inc.**

Jeremy J. Reynolds  
Associate Principal

Attachments: Cost Plus Fixed Fee Spreadsheets



**Local Public Agency**

Lake County DOT

**County**

Lake

**Section Number**

TBD

**Consultant (Firm) Name**

Huff & Huff, inc.

**Prepared By**

JJR

**Date**

12/6/2021

**PAYROLL ESCALATION TABLE**

CONTRACT TERM	12
START DATE	12/15/2021
RAISE DATE	3/1/2022
END DATE	12/14/2022

MONTHS

OVERHEAD RATE	182.42%
COMPLEXITY FACTOR	0
% OF RAISE	2.00%

**ESCALATION PER YEAR**

Year	First Date	Last Date	Months	% of Contract
0	12/15/2021	3/1/2022	3	25.00%
1	3/2/2022	12/1/2022	9	76.50%

The total escalation = 1.50%

Exhibit G

<b>Local Public Agency</b>	<b>County</b>	<b>Section Number</b>
Lake County DOT	Lake	TBD

<b>MAXIMUM PAYROLL RATE</b>	<b>78.00</b>
<b>ESCALATION FACTOR</b>	<b>1.50%</b>

**PAYROLL RATES**

Exhibit E Cost Estimate of Consultant Services Worksheet Fixed Raise

<b>CLASSIFICATION</b>	<b>IDOT PAYROLL RATES ON FILE</b>	<b>CALCULATED RATE</b>
Associate Principal II	\$69.10	\$70.14
Associate Principal I	\$62.14	\$63.07
Senior Consultant	\$70.16	\$71.21
Senior Project Manager III	\$61.88	\$62.81
Senior Project Manager II	\$50.21	\$50.96
Senior Project Manager I	\$43.74	\$44.40
Senior Landscape Architect	\$55.01	\$55.84
Senior Planning PM	\$51.85	\$52.63
Senior Geologist PM	\$54.03	\$54.84
Senior Technical Specialist I	\$50.43	\$51.19
Senior Scientist PM II	\$51.49	\$52.26
Senior Technical Scientist	\$48.82	\$49.55
Scientist PM II	\$46.53	\$47.23
Scientist PM I	\$39.16	\$39.75
Assistant PM Scientist	\$32.81	\$33.30
Environmental Engineer PM I	\$42.37	\$43.01
Geotechnical Engineer PM I	\$39.19	\$39.78
Architect PM	\$45.19	\$45.87
Assistant PM Engineer I	\$38.89	\$39.47
Engineer I	\$29.63	\$30.07
Scientist E1	\$29.93	\$30.38
Scientist E2	\$24.72	\$25.09
Technical Graphics Technician	\$24.60	\$24.97
Administrative Managers	\$44.42	\$45.09
Senior Administrative Assistant	\$31.22	\$31.69
Lead Word Processor	\$38.77	\$39.35



**Exhibit G**

**Local Public Agency**

**County**

**Section Number**

Lake County DOT

Lake

TBD

**COST ESTIMATE WORKSHEET**

Exhibit E Cost Estimate of Consultant Services Worksheet Fixed Raise

**OVERHEAD RATE** 182.42%

**COMPLEXITY FACTOR** 0

TASK	STAFF HOURS	PAYROLL	OVERHEAD & FRINGE BENEFITS	DIRECT COSTS	FIXED FEE	SERVICES BY OTHERS	TOTAL	% OF GRAND TOTAL
T1: Due Diligence	8	249	454	417	82	0	1,202	8.02%
T2: Soil Sampling	14	446	813	297	147	5,350	7,053	47.05%
T3: Lab Analysis	3	91	166	4,078	30	0	4,365	29.12%
T4: Prepare LPC-663 Form	18	627	1,144	0	207	0	1,978	13.19%
T5: CCDD Facility Coordination	2	125	228	0	41	0	394	2.63%
		-	-		-		-	
<b>Subconsultant DL</b>					0		-	
<b>TOTALS</b>	45	1,538	2,805	4,792	507	5,350	14,992	100.00%

4,343



**Exhibit G**

**Local Public Agency**

**County**

**Section Number**

Lake County DOT

Lake

TBD

**AVERAGE HOURLY PROJECT RATES**

Exhibit E Cost Estimate of Consultants Services Worksheet Fixed Raise

SHEET 1 OF 1

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			T1: Due Diligence			T2: Soil Sampling			T3: Lab Analysis			T4: Prepare LPC-663 Form			T5: CCDD Facility 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
Associate Principal II	70.14	2.0	4.44%	3.12									1	5.56%	3.90	1	50.00%	35.07	
Associate Principal I	63.07	0.0																	
Senior Consultant	71.21	0.0																	
Senior Project Manager III	62.81	0.0																	
Senior Project Manager II	50.96	0.0																	
Senior Project Manager I	44.40	0.0																	
Senior Landscape Architect	55.84	0.0																	
Senior Planning PM	52.63	0.0																	
Senior Geologist PM	54.84	3.0	6.67%	3.66									2	11.11%	6.09	1	50.00%	27.42	
Senior Technical Specialist I	51.19	0.0																	
Senior Scientist PM II	52.26	0.0																	
Senior Technical Scientist	49.55	0.0																	
Scientist PM II	47.23	0.0																	
Scientist PM I	39.75	0.0																	
Assistant PM Scientist	33.30	13.0	28.89%	9.62	2	25.00%	8.33	7	50.00%	16.65			4	22.22%	7.40				
Environmental Engineer PM I	43.01	0.0																	
Geotechnical Engineer PM I	39.78	0.0																	
Architect PM	45.87	0.0																	
Assistant PM Engineer I	39.47	0.0																	
Engineer I	30.07	0.0																	
Scientist E1	30.38	22.0	48.89%	14.85	6	75.00%	22.78	7	50.00%	15.19	3	100.00%	30.38	6	33.33%	10.13			
Scientist E2	25.09	0.0																	
Technical Graphics Technician	24.97	4.0	8.89%	2.22									4	22.22%	5.55				
Administrative Managers	45.09	0.0																	
Senior Administrative Assistant	31.69	1.0	2.22%	0.70									1	5.56%	1.76				
Lead Word Processor	39.35	0.0																	
		0.0																	
<b>TOTALS</b>		45.0	100%	\$34.17	8.0	100.00%	\$31.11	14.0	100%	\$31.84	3.0	100%	\$30.38	18.0	100%	\$34.83	2.0	100%	\$62.49

Exhibit G

**HUFF & HUFF, INC.**  
**SUMMARY OF DIRECT COSTS**

Project: GHA Hunt Club Road

**DIRECT**

**Task 1 - Due Diligence**

Trips	100 miles	x	1	x	\$	0.56	=	\$	56.00
Tolls			4	x	\$	2.80	=	\$	11.20
<u>Database Packag</u>	<u>1 ea</u>	<u>x</u>	<u>1</u>	<u>x</u>	<u>\$</u>	<u>350.00</u>	<u>=</u>	<u>\$</u>	<u>350.00</u>
<b>Task Total</b>									<b>\$ 417.20</b>

**Task 2 - Soil Sampling**

Trips	100 miles	x	1	x	\$	0.56	=	\$	56.00
Tolls			4	x	\$	2.80	=	\$	11.20
Field kit	1 day	x	1	x	\$	30.00	=	\$	30.00
GPS	1 day	x	1	x	\$	100.00	=	\$	100.00
<u>PID</u>	<u>1 day</u>	<u>x</u>	<u>1</u>	<u>x</u>	<u>\$</u>	<u>100.00</u>	<u>=</u>	<u>\$</u>	<u>100.00</u>
<b>Task Total</b>									<b>\$ 297.20</b>

**Task 3 - Lab Analysis**

VOC	1 ea	x	10	x	\$	50.00	=	\$	500.00
SVOC	1 ea	x	10	x	\$	110.00	=	\$	1,100.00
RCRA total	1 ea	x	10	x	\$	90.00	=	\$	900.00
TCLP Cr+Fe	1 ea	x	10	x	\$	95.00	=	\$	950.00
TCLP extra	1 ea	x	10	x	\$	25.00	=	\$	250.00
pH	1 ea	x	21	x	\$	18.00	=	\$	378.00
					\$		=	\$	-
			0	x	\$	-	=	\$	-
<b>Task Total</b>									<b>\$ 4,078.00</b>

**Task 4 - Prepare LPC-663 Form**

			0	x	\$	-	=	\$	-
<b>Task Total</b>									<b>\$ -</b>

**Task 5 - CCDD Facility Coordination**

			0	x	\$	-	=	\$	-
<b>Task Total</b>									<b>\$ -</b>

---

**GRAND TOTAL      \$      4,792.40**

Exhibit G

**HUFF & HUFF, INC.**  
**SUMMARY OF SERVICES BY OTHERS**

Project: GHA Hunt Club Road

OUTSIDE

**Task 1 - Due Diligence**

_____	0 x	\$ -	=	\$ -
		<b>Task Total</b>		<b>\$ -</b>

**Task 2 - Soil Sampling**

Driller (day)	1 x	\$ 2,500.00	=	\$ 2,500.00
Traffic Control (day)	1 x	\$ 2,850.00	=	\$ 2,850.00
_____		<b>Task Total</b>		<b>\$ 5,350.00</b>

**Task 3 - Lab Analysis**

_____	0 x		=	\$ -
	0 x	\$ -	=	\$ -
		<b>Task Total</b>		<b>\$ -</b>

**Task 4 - Prepare LPC-663 Form**

_____	0 x	\$ -	=	\$ -
		<b>Task Total</b>		<b>\$ -</b>

**Task 5 - CCDD Facility Coordination**

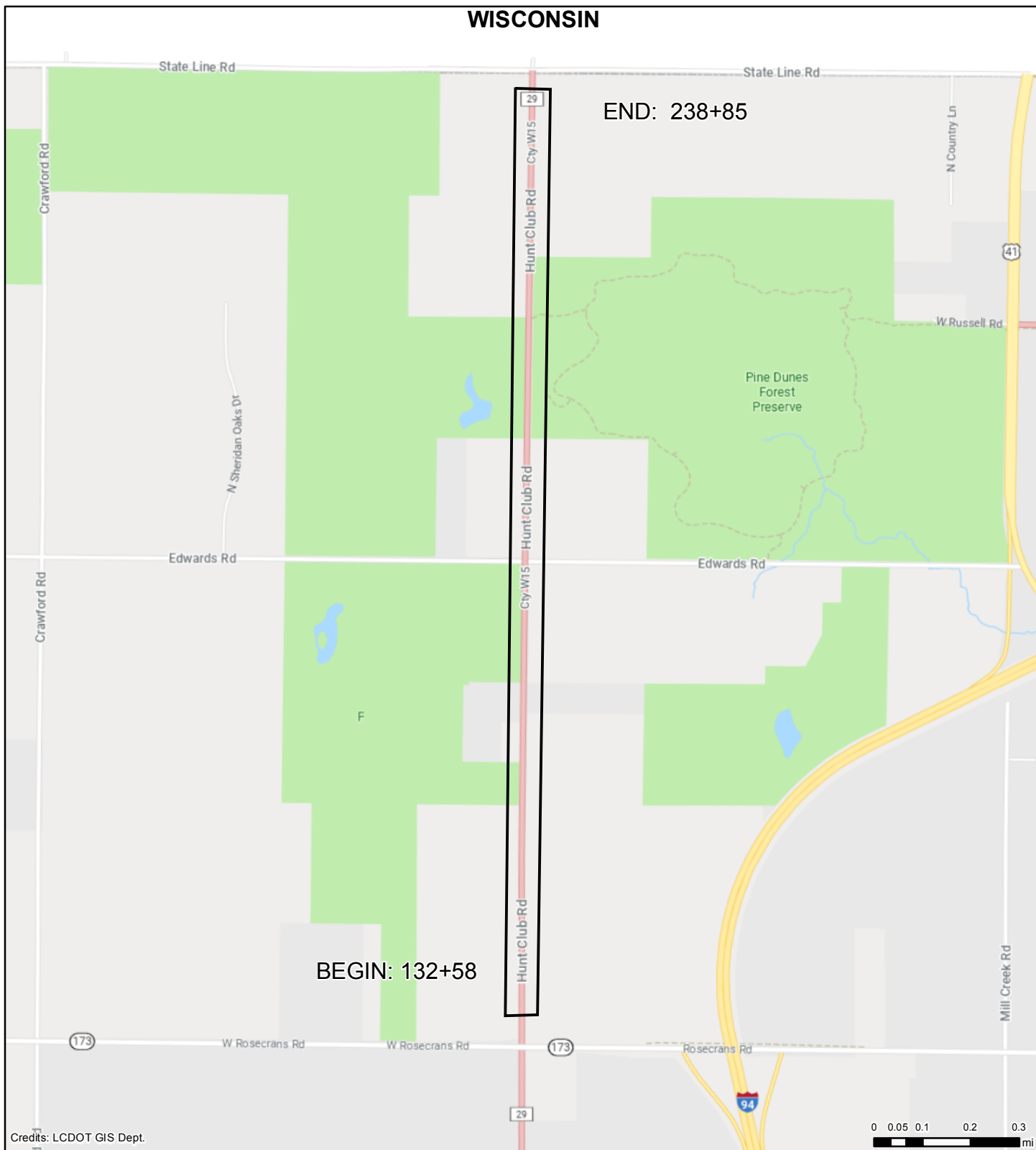
_____	0 x	\$ -	=	\$ -
		<b>Task Total</b>		<b>\$ -</b>

---

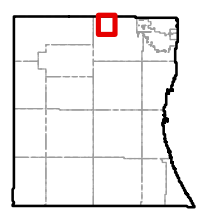
**GRAND TOTAL      \$    5,350.00**

**Exhibit G**

# Hunt Club Rd (IL 173 to State Line Rd) Resurfacing Limits



Credits: LCDOT GIS Dept.



N

LCDOT GIS  
2/16/2021

Lake County  
Division of Transportation

EXHIBIT H – ANTICIPATED PLAN SHEETS

Phase II Design Engineering Services  
Lake County Division of Transportation

Hunt Club Road Resurfacing from IL Route 173 to State Line Road (Wisconsin State Line)  
Section No. 21-00096-05-RS

December 7, 2021

<u>Anticipated Plan Sheets</u>	<u>No. of Sheets</u>
1. Cover Sheet	1
2. LCDOT General Notes	3
3. Summary of Quantities	1
4. Alignment, Ties and Benchmarks	4
5. Schedule of Quantities	15
6. Typical Sections	6
7. Traffic Control Plan	5
8. Removal Plan	22
9. Resurfacing and Drainage Improvement Plan	22
10. Erosion and Sediment Control Plan	11
11. Guardrail Replacement Plan	3
12. Intersection Detail (Edwards Road)	1
13. Cross-Sections	55
14. LCDOT Standard Details	12
15. IDOT District One Standard Details	4
16. IDOT Highway Standards	15
Anticipated Total Sheets:	180