



PUBLIC MEETING NOTICE AND AGENDA
COMMITTEE OF THE WHOLE MEETING

SEPTEMBER 21, 2021
7:30 P.M.

AGENDA

1. Call to Order
2. Pledge of Allegiance
3. Presentation – Employee Years of Service Awards
4. Public Comment
The public is invited to make an issue-oriented comment on any matter of public concern. The public comment may be no longer than 3 minutes in duration.
5. Staff Presentations
 - A. Administration
 1. Ordinance Amending Appendix B, Comprehensive Fine & Fee Schedule of the Municipal Code
 2. Ordinance Authorizing the Disposal of Surplus Property
 3. Award a Contract for the Board Room Audio/Video Upgrade to SRU Communications and Technology, Inc.
 - B. Public Works
 1. Agreement for Engineering Design and Special Services for the Runway 8/26 Rehabilitation and Reprofilng Project
 2. Runway 826 Rehabilitation and Reprofilng Project Award Concurrence
 - C. Community Development
 1. Ordinance Granting Variations to Section 7.4 Residential Bulk Chart at 65 Hilltop Drive
6. Board of Trustees
 - A. Trustee Harlfinger
 - B. Trustee Huckins
 - C. Trustee Dustin
 1. Planning and Zoning Commission Liaison Report
 - D. Trustee Bojarski
 - E. Trustee Murphy
 - F. Trustee Anderson
 1. Parks and Recreation Board Liaison Report

7. Village President

8. Adjournment

MEETING LOCATION
Lake in the Hills Village Hall
600 Harvest Gate
Lake in the Hills, IL 60156

The Village of Lake in the Hills is subject to the requirements of the Americans with Disabilities Act of 1990. Individuals with disabilities who plan to attend this meeting and who require certain accommodations so that they can observe and/or participate in this meeting, or who have questions regarding the accessibility of the meeting or the Village's facilities, should contact the Village's ADA Coordinator at (847) 960-7410 [TDD (847) 658-4511] promptly to allow the Village to make reasonable accommodations for those persons.

Posted by: _____ Date: _____ Time: _____



REQUEST FOR BOARD ACTION

MEETING DATE: September 21, 2021

DEPARTMENT: Administration

SUBJECT: Change to Appendix B of the Municipal Code, Comprehensive Fine and Fee Schedule

EXECUTIVE SUMMARY

Staff requests one change to the fishing permit fees approved by the Village Board on July 29. Since the ordinance was approved in July, staff noted that while annual fishing permit fees were included there was no fee established for a daily fishing permit. The proposed daily fee is \$15 per person, per day and applies to both residents and non-residents. The annual fee for residents was set at \$40 per household (\$30 for seniors). The annual fee for non-residents was set at \$60 per person. The relative cost of a daily permit is higher due to the administrative burden for such a short permit period.

FINANCIAL IMPACT

None.

ATTACHMENTS

1. Ordinance

RECOMMENDED MOTION

Motion to approve an ordinance to add a Daily Fishing Permit fee to Appendix B, Comprehensive Fine and Fee Schedule of the Municipal Code.

VILLAGE OF LAKE IN THE HILLS

ORDINANCE NO. 2021-_____

An Ordinance Amending Appendix B, Comprehensive Fine and Fee Schedule, Section 3 Fees, Non-Offense, of the Lake in the Hills Municipal Code

WHEREAS, the Village of Lake in the Hills, McHenry County, Illinois (the "Village") is a home rule municipality as contemplated under Article VII, Section 6, of the Constitution of the State of Illinois, and the passage of this Ordinance constitutes an exercise of the Village's home rule powers and functions as granted in the Constitution of the State of Illinois; and

WHEREAS, subject to said Section, a home rule unit may exercise any power and perform any function pertaining to its government and affairs for the welfare of the Village and its residents; and

NOW, THEREFORE, BE IT ORDAINED by the President and Board of Trustees of the Village of Lake in the Hills, McHenry County, Illinois, as follows:

SECTION 1: That Appendix B, Comprehensive Fine and Fee Schedule, Section 3, Fees, Non-Offense, in regards to Chapter 10, of the Lake in the Hills Municipal Code shall be amended as follows:

APPENDIX B

Comprehensive Fine and Fee Schedule

Section 3: Fees, Non-Offense.

Section or Chapter	Fee	Amount
Section 6.11	Moving Structure Permit, Refundable if No Damage	5,000.00
Section 10.04.B	Annual Fee for Fishing Permit, Per Household, Resident	40.00
Section 10.04.B	Annual Fee for Fishing Permit, Per Household with Seniors 55+, Resident	30.00
Section 10.04.B	Annual Fee for Fishing Permit, Per Person, Non-Resident	60.00
<u>Section 10.04.B</u>	<u>Daily Fishing Permit, Resident and Non-Resident</u>	<u>15.00</u>
Section 10.04.D	Lost Fishing Permit Replacement Fee	2.00
Section 10.05.B	Annual Boat Use Permit, Per Boat, Resident	10.00

Section or Chapter	Fee	Amount
Section 10.05.B	Annual Boat Use Permit, Per Boat, Seniors 55+, Resident	7.00
Section 10.05.B	Daily Boat Use Permit, Non-Resident	15.00
Section 10.05.E	Boat Storage on Village Property, Annual Fee, Resident	20.00
Section 10.05.E	Boat Storage on Village Property, Annual Fee, Seniors 55+, Resident	15.00
Section 11.05.B	Adult Entertainment Establishment Administrative Processing Fee	200.00
Section 13.07.C	Solid Waste License for Collection	100.00
Section 18.06	Growth Management Procedures, Annexation Agreements, Service Fee Per Residential Unit: School District Village of Lake in the Hills Fire Protection District Library District	4,000.00 2,000.00 185.00 90.00
Section 23.1-4	Tentative Plat, Final Plat, Development Plan, Plat of Vacation, and Re-Subdivision Plat Application Fee Base Fee Per Application <u>plus</u> Fee Per Acre	500.00 10.00
Section 23.1-4	Sketch Plan Review Application Fee	0.00
Section 23.1-4	Platting Fee Per Acre <u>plus</u> Fee Per Dwelling Unit	1,000.00 100.00
Section 23.1-4	Annexation Application Fee	1,000.00
Section 23.1-4	Lake/Streams Maintenance Fee, Residential	0.04/net sq ft
Section 23.1-4	Lake/Streams Maintenance Fee, Non-Residential	0.05/net sq ft
Section 23.1-4	Public Building Fee - Residential Only, Per Dwelling Unit, Developments \geq 50 Dwelling Units	750.00
Section 23.1-4	Road Maintenance Fee - Residential Only, Per Dwelling Unit, Developments \geq 50 Dwelling Units	750.00
Section 23.1-4	Cul-De-Sac/Eyebrow Fee	6,000.00
Section 23.1-4	Letter Of Credit - Subdivision Or Dividing Any Parcel Of Land	125% the estimated cost of improvements
Section 23.1-4	Maintenance Letter Of Credit - Percentage Of Original Letter Of Credit And Performance Bond	10% of Construction Letter of Credit

Section or Chapter	Fee	Amount
Section 23.6-3.A	Fair Market Value - In Lieu Of Land Donation, Per Acre	105,000.00
Section 24.07	Municipal Property Damage Deposit	2,500.00

SECTION 3: If any section, paragraph, subdivision, clause, sentence or provision of this Ordinance shall be adjudged by any Court of competent jurisdiction to be invalid, such judgment shall not affect, impair, invalidate or nullify the remainder thereof, which remainder shall remain and continue in full force and effect.

Section 4: All ordinances or parts of ordinances in conflict herewith are hereby repealed to the extent of such conflict.

Section 5: This Ordinance shall be in full force and effect upon its passage, approval and publication in pamphlet form (which publication is hereby authorized) as provided by law.

Passed this 21st day of September 2021 by roll call vote as follows:

	Ayes	Nays	Absent	Abstain
Trustee Stephen Harlfinger	_____	_____	_____	_____
Trustee Bob Huckins	_____	_____	_____	_____
Trustee Bill Dustin	_____	_____	_____	_____
Trustee Suzette Bojarski	_____	_____	_____	_____
Trustee Diane Murphy	_____	_____	_____	_____
Trustee Wendy Anderson	_____	_____	_____	_____
President Ray Bogdanowski	_____	_____	_____	_____

APPROVED THIS 21ST DAY OF SEPTEMBER, 2021

Village President, Ray Bogdanowski

(SEAL)

ATTEST: _____
Village Clerk, Shannon DuBeau

Published: _____



REQUEST FOR BOARD ACTION

MEETING DATE: September 21, 2021

DEPARTMENT: Administration

SUBJECT: Ordinance Authorizing the Disposal of Surplus Property

EXECUTIVE SUMMARY

The Illinois Municipal Code requires adoption of an Ordinance to dispose of surplus property. The Village property listed in Exhibit A is no longer necessary or useful to the Village. In order to allow for disposal or sale, the attached Ordinance declares the property as surplus. The Ordinance authorizes the Village Administrator to determine the appropriate means of disposal. Staff will sell items with value and dispose of other items appropriately.

FINANCIAL IMPACT

Any money received from the sale of these items, will be returned to the appropriate fund.

ATTACHMENTS

1. Proposed Ordinance
2. Exhibit A

RECOMMENDED MOTION

Motion to approve the ordinance declaring Village property as surplus.

VILLAGE OF LAKE IN THE HILLS

ORDINANCE NO. 2021- _____

**An Ordinance Authorizing the Disposal of Surplus Property
Owned by the Village of Lake in the Hills**

WHEREAS, the Village of Lake in the Hills, McHenry County, Illinois, is a home rule municipality as contemplated under Article VII, Section 6, of the Constitution of the State of Illinois, and the passage of this Ordinance constitutes an exercise of the Village's home rule powers and functions as granted in the Constitution of the State of Illinois.

WHEREAS, subject to said Section, a home rule unit may exercise any power and perform any function pertaining to its government and affairs for the public safety and welfare of the Village and its residents; and

WHEREAS, the Village of Lake in the Hills is authorized to sell or otherwise dispose of personal property pursuant to Section 11-76-4 of the Illinois Municipal Code, 65 ILCS 5/11-76-4; and

WHEREAS, in the opinion of the President and Board of Trustees, it is no longer necessary, useful, or for the best interests of the Village to retain the property now owned by it and described in Exhibit A, attached hereto and by this reference incorporated herein and made a part hereof (the "Surplus Property");

NOW, THEREFORE, BE IT ORDAINED by the President and Board of Trustees of the Village of Lake in the Hills, McHenry County, Illinois, as follows:

SECTION 1: Recitals: The foregoing recitals are hereby incorporated into this ordinance as finding of the President and Board of Trustees.

SECTION 2: Declaration of Surplus Property: The President and Board of Trustees hereby find and determine that the surplus property is no longer necessary or useful to the Village and the best interests of the Village will be served by its sale or disposal.

SECTION 3: Authorization to sell or otherwise dispose of surplus property: The Village Administrator is hereby authorized to sell or otherwise dispose of the surplus property in such a manner as the Village Administrator shall determine is in the best interest of the Village.

SECTION 4: Effective Date: This ordinance shall be in full force and effect from and after its passage, approval, and publication in pamphlet for in the manner provided by law.

Passed this 21st day of September 2021 by roll call vote as follows:

	Ayes	Nays	Absent	Abstain
Trustee Stephen Harlfinger	_____	_____	_____	_____
Trustee Ray Bogdanowski	_____	_____	_____	_____
Trustee Bob Huckins	_____	_____	_____	_____
Trustee Bill Dustin	_____	_____	_____	_____
Trustee Suzette Bojarski	_____	_____	_____	_____
Trustee Diane Murphy	_____	_____	_____	_____
President Russ Ruzanski	_____	_____	_____	_____

APPROVED THIS 21ST DAY OF SEPTEMBER, 2021

Village President, Ray Bogdanowski

(SEAL)

ATTEST:

Village Clerk, Shannon DuBeau

Published: _____

Surplus Property Listing

Item #	Quantity	Item	Year/Make/Model (Cartegraph Asset #)	Fixed Asset Number	Serial, VIN or Other ID Number	Disposition	Estimated Resale Value	Disposal Method
1	1	Ranger Pick Up	2007 Ford Ranger (#88)	N/A	VIN# 1FTYR15E17PA80171	Serviceable	\$ 6,000.00	Auction
2	1	F350 Pick Up	2008 F350 (#93)	200700023	VIN# 1FTWF31R88EB30680	Serviceable	\$ 6,000.00	Auction
3	1	Chevy Tahoe	2012 Chevy Tahoe	N/A	VIN# 1GNLC2E0XCR251852	Serviceable	\$ 4,500.00	Auction
4	1	Ford SUV	2011 Ford Expedition	2011000005	VIN# 1FMJU1G55BEF32703	Serviceable	\$ 4,000.00	Auction
5	3	Tire and Wheel	Firestone Destination LE P265-70-17 tires	N/A	N/A	Serviceable	\$ 250.00	Auction
6	1	Tire and Wheel	Firestone Transforce AT LT275-70-18	N/A	N/A	serviceable	\$ 50.00	Auction
7	4	Tire and Wheel	Firestone Firehawk Pursuit P265-60-17	N/A	N/A	Serviceable	\$ 300.00	Auction
8	1	Welder		360	Serial# KH515901	Serviceable	\$ 400.00	Auction
9	1	Copier	Unknown/Sharp Corp./AR-EF1	998	Serial# 55054431	Unserviceable	\$ 200.00	Auction
10	1	Speed Trailer	1998 Precision-Solar Mobile Traffic Monitor	N/A	VIB#: 1P914101XWG301342	Serviceable	\$ 300.00	Auction



REQUEST FOR BOARD ACTION

MEETING DATE: September 21, 2021

DEPARTMENT: Administration

SUBJECT: Award of Contract for the Board Room Audio/Video Upgrade

EXECUTIVE SUMMARY

Staff is seeking the Board's approval for the Award of Contract for the Board Room Audio/Video Upgrade to SRU Communications and Technology, Inc. ("SRU").

The Fiscal Year 2021 budget included \$40,000 in capital funds for the replacement of the board room audio equipment. The Village identified that our existing audio system in the board room has reached the end of its useful life and requires replacement. The microphones cut out frequently, there is buzzing from the speakers, and the recording device on the amplifier no longer functions.

Earlier this year, staff met with multiple vendors to discuss in detail the audio/video needs in the Board room. From these meetings, the Village was able to develop and compile an RFP that included the replacement of all audio equipment in the rack such as amplifiers and mixers, all microphones, all speakers, recording devices, and most wiring, with an easy to use touch screen interface. In addition, the RFP included a requirement for audio integration of a PC located in the A/V Closet that can be controlled at the Clerk's desk.

Staff included three supplemental options for the contractors to consider when submitting their responses:

- Option 1 - Replace or re-use existing cabling after testing for full functionality.
- Option 2 - Purchase and installation of 2 PTZ web cameras that would integrate into the new system.
- Option 3 - Integration of our VIOP phone system into the new system.

The RFP was posted on August 9, with a mandatory pre-proposal meeting held on Monday, August 16 that was attended by seven vendors. The vendors were given a tour of the board room and were shown the existing wiring and conduit locations in the ceiling and behind the desks. This was an important step to make sure the vendors understood the complexity of the installation, as the existing conduit is at capacity.

The bid opening was held on Friday, September 3, 2021, with the Village receiving four (4) responses that ranged from a high of \$56,078.78 to a low of \$37,000. A more detailed summary of the RFP results has been attached as **Exhibit A**.

The MIS Staff reviewed the submissions in their entirety and found that while all 4 submitted sound proposals, SRU and Audio Video Specialists were the only two vendors that included Option 1 in their base price, which reduces the Village's risk of additional charges when installation begins. Staff found that SRU provided a proposal with higher quality audio equipment and a more detailed plan on how the system will be installed and integrated.

Based on this assessment, staff recommends moving forward with the second lowest bidder "SRU Communications and Technology, Inc.," with a proposal cost of \$37,679.48.

Staff is recommending that the Village include Option 3 from SRU at an additional cost of \$1,300. Combined with the based bid, the total project cost would be \$38,979.48, which remains under the budgeted amount of \$40,000.

Option 2 was included to help staff assess the future costs to implement video streaming should this become a priority of the Board. Option 2 is not being recommended at this time and based on the range of responses, more research would be necessary to properly identify the Village's needs.

FINANCIAL IMPACT

Capital Improvement Fund – Budget \$40,000 – Requested \$38,979.48 – Remaining \$1,020.52

The Fiscal Year 2021 capital budget included \$40,000 for this project. With a base bid of \$37,679.48 and the Village exercising Option 1 at \$0.00 and Option 3 at \$1,300, the total project cost is not to exceed \$38,979.48.

ATTACHMENTS

1. Exhibit A – Bid Results
2. Bid Certification Form
3. Minutes from the Bid Opening
4. Minutes from the Pre-Proposal Meeting

RECOMMENDED MOTION(s)

Motion to Award a Contract to SRU Communications and Technology, Inc. for the Board Room Audio/Video Upgrade in an amount not to exceed \$38,979.48.

EXHIBIT A

RFP Results – Board Room Audio/Video Upgrade

Company Name	Base Bid Amount	Option 1	Option 2	Option 3	Total with Option 1 and Option 3
AVI SPL	\$56,078.78	\$5,156.74	\$9,488.74	\$660.00	\$61,895.52
Audio Video Specialists	\$37,000.00	\$0.00	\$2,970.00	\$7,635.00	\$44,635.00
SRU Communications and Technology INC.	\$37,679.48	\$0.00	\$5,770.00	\$1,300.00	\$38,979.48
Marco	\$40,578.62	\$6,326.68	\$7,871.50	\$1,000.00	\$47,905.30

APPENDIX 4

**VILLAGE OF LAKE IN THE HILLS
BID CERTIFICATION FORM**

CONTRACTOR'S NAME: SRU Communications and Technology, Inc.

ADDRESS: 1739 Chestnut Ave, Suite 700

Glenview, IL 60025

1. COST OF WORK:

The undersigned, having familiarized [himself/herself] with conditions affecting the cost of the work and its performance and having carefully examined and fully understood the INSTRUCTION TO BIDDERS, hereby affirms and agrees to enter into a contract with the Village of Lake In The Hills, Illinois;

The undersigned hereby also certifies that in accordance with 710 ILCS 7/33E-11 that the Bidder is not barred from submitting a bid for this contract as a result of a violation of either Section 33E-3 or Section 33E-4 concerning bid rigging, bid rotating, kickbacks, bribery and other interference with public contracts;

To PROVIDE all supervision, labor, material, equipment, and all other expense items to perform completely the entire work covered by all specifications for the entire work;

FOR THE LUMP SUM OF Thirty-Seven Thousand Six Hundred Seventy-Nine 48/100 **Dollars (\$** 37,679.48 **)**

In addition the undersigned hereby provides the following A La Carte Options, which will be considered independently by the Village:

Option 1: For the lump sum of Zero (by default it is included in main bid) **Dollars (\$** 0.00 **)**

Option 2: For the lump sum of Five Thousand Seven Hundred Seventy & 00/100 **Dollars (\$** 5,770.00 **)**

Option 3: For the lump sum of One Thousand Three Hundred & 00/100 **Dollars (\$** 1,300.00 **)**

2. COSTS:

The undersigned hereby affirms and states that the prices quoted herein constitute the total cost to the Village for all work involved in the respective items and that this cost also includes all insurance, royalties, transportation charges, use of all tools and equipment, superintendence, overhead expense, all profits, and all other work, services, and conditions necessarily involved in the work to be done and materials to be furnished in accordance with the requirements of the contract documents considered severally and collectively. All bids shall be held valid for a period of 60 days after the bid due date.

The undersigned hereby also certifies that this bid is genuine and not collusive or sham; that said Bidder has not colluded, conspired, connived or agreed, directly or indirectly, with any other Bidder or person, to put in a sham bid or to refrain from submitting a bid; and has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference with any person, to fix the proposed price elements of said bid, or that of any other Bidder, or to secure any advantage against any other Bidder or any person interested in the proposed contract.

The undersigned hereby also certifies in accordance with 65 ILCS 5/11-42.1-1 that the Bidder is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, unless the amount and/or liability is being properly contested in accordance with the procedures established by the appropriate revenue act

The undersigned hereby also certifies in accordance with 720 ILCS 5/33 E that the Bidder will not participate in bid rigging and/or rotating, kickbacks, bribery, and other related interference with public contracts. The statute requires that a certification be submitted by a bidder specifically attesting to the provisions of 5/33E-3 and 5/33E-4.

The undersigned hereby also certifies in accordance with 775 ILCS 5/2-105 that the Bidder must furnish evidence of adoption of a written policy on sexual harassment pursuant to the statute. The Village's interpretation of this statute is that such a policy does not have to be submitted with the bid, but the Bidder must have one in order to receive a contract.

The undersigned hereby also certifies that the bid is in compliance with all other applicable federal, state, and local laws.

3. DELIVERY REQUIREMENTS:

The undersigned hereby affirms and states that the prices listed as "Delivered and Installed" are the unit and total costs for the delivery of item(s) to their designated locations ready for use.

4. TIME OF COMPLETION:

The undersigned affirms and declares that if awarded the contract for said Board Room Audio/Video upgrade, [he/she] will completely perform the contract in strict accordance with its terms and conditions within 90 consecutive calendar days after notification of award of contract.

5. SPECIFICATIONS:

The undersigned will furnish all labor, material, equipment, and services necessary for said Board Room Audio/Video upgrade, in accordance with the following specifications and drawings (if required) as attached.

6. CONDITIONS:

- A. The Village is exempt from federal excise tax and the Illinois Retailers' Occupation Tax. The undersigned hereby certifies that this proposal does not include any amounts of money for these taxes.
- B. To be valid, bids shall be itemized so that selection for purchase may be made, there being included in the price of each item the cost of delivery, insurance, bonds, overhead, and profit.
- C. The Village shall reserve the right to add to or deduct from the base bid and/or alternate bid any item at the prices indicated in the itemization of bid.

Dated at Glenview, IL this 31st day of August, 2021.

By: [Signature]
(signature)

Its: V.P. Operations
Title

JOEL GRADE, being duly sworn, deposes and states that he/she is the _____

V.P. OPERATIONS of SEO COMMUNICATIONS and that the statement above is

true and correct. Subscribed and sworn before me this 31st day of August, 2021

(NOTARY STAMP) [Signature]
Notary Public

VILLAGE OF LAKE IN THE HILLS

Accepted this _____ day of _____, 20__

By: _____
(signature)

Title: _____



Lake in the Hills Administration Department

MEMORANDUM

To: Fred Mullard, Village Administrator
From: Joe Neilon, IT Manager
Date: September 3, 2021
Subject: RFP Results – Board Room Audio/Video Upgrade

The Request for Proposal (RFP) opening for the Village Board Room Audio/Video Upgrade was held at the Lake in the Hills Village Hall located at 600 Harvest Gate, Lake in the Hills, IL, on September 3, 2021 at 11:00 a.m. Those present were Joe Neilon, IT Manager, Jestin Katari, IT Specialist, and Dan Godfrey from AVI SPL.

Beginning at 11:00 a.m., Joe Neilon opened and read aloud the following sealed RFP submittals:

Company Name	Bid Amount	Opt 1	Opt 2	Opt 3
AVI SPL	\$56,078.78	\$5,156.74	\$9,488.74	\$660.00
Audio Video Specialists	\$37,000.00	\$0.00	\$2,970.00	\$7,635.00
SRU Communications and Technology INC.	\$37,679.48	\$0.00	\$5,770.00	\$1,300.00
Marco	\$40,578.62	\$6,326.68	\$7,871.50	\$1,000.00

All vendors submitted a single envelope with bid responses inside. SRU Communications and Technology INC was missing a signature and notary on the Bid Certification Form.

The RFP opening for the Board Room Audio/Video Upgrade was concluded at 11:07 a.m.

Village staff will review the RFP submittals and plan to make a recommendation to the Board at an upcoming Village Board of Trustees meeting.

Lake in the Hills Administration Department

MEMORANDUM

To: Fred Mullard, Village Administrator
From: Joe Neilon, IT Manager
Date: August 16, 2021
Subject: Board Room Audio/Video Upgrade – Pre-Proposal meeting

The pre-proposal opening for the Board Room Audio/Video Upgrade was held at the Village Hall located at 600 Harvest Gate, Lake in the Hills, IL, on August 16, 2021 at 11:00 a.m. Those present were Joe Neilon, IT Manager, Jestin Katari, IT Specialist, Shannon Andrews, Assistant Village Administrator, Tyler Eckman, Crew Leader for Public Works, and the following vendors: 11 (eleven) attendees from AVI-SPL, 22 Tones, Innovative AV systems, RC Communications, Marco, Audio Video Specialists, and SRU Tech. Beginning at 11:00 a.m., Joe Neilon introduced himself and Tyler to the vendors and gave them a brief overview of the RFP. Once the overview was complete Joe invited the vendors to ask any questions and tour the board room and A/V equipment room. Tyler Eckman assisted with showing the vendors the location of the current conduit and wire runs above the ceiling tiles and behind the panels of the board room furniture.

Question and Answers:

Q. Are you happy with the sound of the current speakers?

A. Yes, the sound from the speakers is good for the room

Q. Would you like the new speakers to be white?

A. Yes

Q. Are you looking to replace the projector, projector screen, or TV?

A. This is something The Village will look into after the audio portion of the project is complete.

Q. What type of microphones are you looking for? Would you like the microphones to turn on and off automatically by voice?

A. The Village is looking for a very simple microphone that has a mute/unmute bottom without a master controller. Our speakers often do not talk directly into the microphones, so make sure the solution can pick up voices from a seated position.

Q. Where will the PC be located?

A. The PC will be located in the AV closet. There will be a headless workstation area where the clerk sits. This workstation area will have USB's and an HDMI connection ran directly back to the PC in the AV closet. The PC will need to display on the HDMI connection at the workstation area, the mounted TV, and the projector. Audio from the PC will be patched into the sound system.

- Q. What do you want done with the existing XLR jacks that are cut into the furniture?
- A. You can either use the existing XLR connections if they have tested OK, or you can run new cabling through the existing hole in the furniture. The goal is to have a clean looking, functional microphone area.

The Pre-Proposal opening for the Board Room Audio/Video Upgrade was concluded at 12:00 p.m.



REQUEST FOR BOARD ACTION

MEETING DATE: September 21, 2021

DEPARTMENT: Public Works

SUBJECT: Agreement for Engineering Design and Special Services for the Runway 8/26 Rehabilitation and Reprofilng Project

EXECUTIVE SUMMARY

Staff seeks to enter into an agreement with Crawford, Murphy and Tilly, Inc. (CMT) for runway design engineering and special services for the runway 8/26 rehabilitation and reprofiling project in an amount not to exceed \$157,400.

In March of 2019, the Village Board approved a design phase service agreement with CMT for phase one engineering of the runway rehabilitation project. Bids for that project were opened in summer of 2020 but, because they were much higher than anticipated, the project was never awarded. The work that CMT did for that project was a precursor to and is substantially included in the current runway project. CMT started design of the additional work included in this project under risk of non-payment. Additionally, the airport consultants are not eligible for payment until the contract for construction is awarded. This added design work includes all of the additional pavement work included in the contract to be awarded.

Starting in 2022, the Village plans to bring the existing runway up to current FAA design specifications by rehabilitating it. This action will eliminate an existing Modification of Standards (MOS) on file with the FAA and allow the airport to focus future grant money on other projects. This project will involve rehabilitating the existing runway including replacing the aggregate base, repaving, and reprofiling the surface to allow for proper stormwater runoff. The length of the existing runway will not increase as a result of this improvement project. The displaced thresholds which were previously established by the FAA to prevent aircraft from flying too close to objects in the approach paths to the airport will be eliminated as all obstructions have since been removed. This work will force closure of the airport for an estimated 64 calendar days next year. This information was already shared with the airport businesses and tenants.

The Village has a master agreement with CMT for aviation consulting services which allows the Village to enter into agreements for services as-needed. The attached agreement with CMT for design engineering and special services totals \$157,400. The Village and IDOT previously authorized CMT to complete this work in order for CMT to draft plans for IDOT to submit during the solicitation of bids for the construction portion of this project. Staff plans to present the Board with a separate agenda item to address the construction portion of this project by way of a construction phase agreement from IDOT. This will allow the Village to hire CMT to oversee the construction portion of this project next year.

FINANCIAL IMPACT

The Village's 2021 budget includes \$125,000.00 in the Airport Fund for engineering and design services. However, IDOT has informed the Village that because of the Village's current FAA entitlement money

balances and the recent funding made available to the airport from the Coronavirus Aid, Relief, and Economic Security Act, the Village's total contribution for the entire runway 8/26 rehabilitation and reprofiling project, including design work from the original phase one runway engineering, this design work, and the construction contract will only amount to a total of \$14,650.

ATTACHMENTS

1. Agreement with CMT

RECOMMENDED MOTION

Motion to enter into an agreement with Crawford, Murphy and Tilly, Inc. (CMT) for runway design engineering and special services for the runway 8/26 rehabilitation and reprofiling project in an amount not to exceed \$157,400.



September 2, 2021

Mr. Michael Peranich, CM
Airport Manager
Lake in the Hills Airport
8397 Pyott Road
Lake in the Hills, IL 60156

*Re: 20025502.00/08 Lake in the Hills Airport
Lake in the Hills, Illinois
Illinois Project No.: 3CK-4814
SBG Project No.: 3-17-SBGP-144/156/162
Rehabilitate and Reprofile Runway 8/26
Agreement for Design Phase Engineering Services*

Dear Mike:

Enclosed are three copies of the agreement for design/special services phase engineering on the above referenced project for review and execution. Upon execution of the agreement, please retain one (1) copy for your records and return the other two (2) copies to our office.

Should you have questions or require additional information, please contact our office.

Respectfully Submitted,

CRAWFORD, MURPHY & TILLY, INC.

A handwritten signature in blue ink that reads "Doug Klonowski, PE".

Douglas J. Klonowski, PE
Vice President/Aurora Office Co-Manager

Encls. (DPS/SS Agreement)

c: CMT – Contract File 20025502.00/08

**STANDARD AGREEMENT FOR CONSULTANT SERVICES AT ILLINOIS AIRPORTS
FOR ARCHITECTURAL/ENGINEERING (A/E), PLANNING AND SPECIAL SERVICES**

Authorized for use by
The Illinois Department of Transportation
Division of Aeronautics
Effective: June 2012

- | | |
|--|---|
| <input type="checkbox"/> Preliminary Assessment and Schematic Design | <input type="checkbox"/> Construction Phase Services |
| <input checked="" type="checkbox"/> Design Phase Services | <input checked="" type="checkbox"/> Planning and Special Services |

THIS AGREEMENT, made at Lake in the Hills, Illinois, this 7th day of September in the year 2021 by and between the Village of Lake in the Hills (hereinafter referred to as the "Sponsor"), and Crawford, Murphy and Tilly, Inc. (hereinafter referred to as the "Consultant"). This Agreement expires 5 years from the date of execution.

WITNESSETH

The Sponsor intends to undertake the accomplishment of a project pursuant to the development of a public air navigation facility known as the Lake in the Hills Airport (3CK) in McHenry County, state of Illinois; and the project shall be identified as the Illinois Project No. 3CK-4814; AIP Project No. 3-17-SBGP-144/156/162; The following is the detailed project title and description from the Illinois Department of Transportation's Office of Planning and Programming (OP&P) program letter which shall be carried through the development of the project (attach supplemental information as necessary in Section I.H., Detailed Scope of Services):

Rehabilitate and Reprofile Runway 8/26

A detailed sketch of the proposed work, labeled ATTACHMENT P, shall be attached.

In consideration of the benefits which will accrue to the parties hereto by virtue of the Agreement and the respective covenants herein contained, IT IS MUTUALLY COVENANTED AND AGREED as follows:

The Consultant agrees to furnish executed "Certification of Engineer" and certain professional engineering services enumerated herein-after, in connection with the implementation and development of the aforesaid project.

The Department of Transportation, Division of Aeronautics within the state of Illinois shall act as Agent of the Owner/Sponsor for all matters involving the development of any public air navigation facility by virtue of the Illinois Aeronautics Act. The Illinois Aeronautics Act requires and directs the Illinois Department of Transportation, Division of Aeronautics (hereinafter referred to as the "Department") to "*regulate and supervise aeronautics within this state*", with "*aeronautics*" defined as "*...the design, establishment, construction, extension, operation, improvement, repair or maintenance of airports...*". The Department shall not expend any funds appropriated, or made available for any work upon any such project that is not contracted for and constructed or developed under the supervision or direction of the Department. Financial assistance may include reimbursement to eligible airport Sponsors for engineering costs directly related to projects financed in whole or in part by federal/state monies provided such engineering costs were approved by the Department prior to the payment of these costs by the airport Sponsor. The approval of engineering costs prior to payment shall qualify those costs for federal/state reimbursement but shall not constitute an obligation of federal/state funds.

Since the services contemplated under this Agreement are professional in nature, it is understood that the Consultant, acting as an individual, partnership, firm or other legal entity, is of professional status and will be governed by professional ethics in their relationship to the Department and the Sponsor. The Department acknowledges the professional and ethical status of the Consultant by approving this Agreement and the associated fees for federal/state eligibility (either in whole or part) on the basis of their qualifications and experience and determining their compensation by mutually satisfactory negotiations.

Any additions/deletions, revisions/modifications to this Agreement without the expressed written consent of the Department shall void this Agreement as it relates to state and federal funding participation eligibility.

I. ARCHITECTURAL/ENGINEERING (A/E), PLANNING AND SPECIAL SERVICES

The Consultant agrees to perform various professional engineering and planning services and provide necessary and required information pursuant to the accomplishment of the above referenced project.

It is understood that meetings will be common to all phases. The Consultant will coordinate project kick-off, pre-design and pre-construction meetings and project status update meetings, as required, in order to resolve project issues with the Department, Sponsor and/or other regulatory and review agencies. The Department shall be notified of scheduled agency meetings and given the opportunity to participate. Meetings for which effort will be billed shall be thoroughly documented by minutes with copies distributed to the Sponsor and the Department within 10 days of the meeting. Failure to properly document meeting discussions could result in the loss of part or all of the professional services compensation eligibility associated with this activity.

A. PRELIMINARY ASSESSMENT AND SCHEMATIC DESIGN – Included with Paragraph I.B

This phase includes activities required for agency coordination and permit development, non-routine surveys, testing and architectural/engineering preliminary design considerations of a project. Elements of this phase may include development of architectural schematic building designs and reports, non-routine geological and field investigations (soil borings and pavement cores), DCP testing, FWD testing (when used to evaluate pavement as part of a strengthening project), coordination of FAA reimbursable agreements, coordination of utility relocation agreements, coordination of force account activity (must be pre-approved by the Department in writing).

The Consultant shall furnish and/or perform engineering reconnaissance necessary for the preparation and development of an engineering report, bidding documents (design plans and specifications) including topographic field surveys, crack surveys, and sampling and testing for routine soils investigations (in accordance with ATTACHMENT J – Testing Schedule & ATTACHMENT K – Testing Rates & Cost Summary).

This phase will culminate in the submittal of a detailed engineering report with project alternatives and design recommendations and project completion timeline assessment.

The Consultant shall furnish an engineering report in accordance with standard practices and the provisions of ATTACHMENT E – Engineering Report. The report will include an analysis of preliminary surveys, geotechnical testing and alternative designs and include final project design recommendations.

The project completion timeline assessment will identify necessary effort required to complete the final project design (complete construction plans and specifications). This phase of project development will represent approximately 35% of the project design timeline. Project formulation should be consistent with the TIP submittal and the program letter project description (ATTACHMENT R). If not, identify components that have changed as a result of the preliminary assessment and schematic design analysis.

A detailed scope of services shall be attached with anticipated labor effort and costs delineated in ATTACHMENTS A / A1.

B. DESIGN PHASE SERVICES

This phase shall include activities required to accomplish a project design in accordance with the established Aeronautics letting schedule project design timeline and approved letting date determined at the pre-design meeting. Requests for time extensions beyond the previously agreed-to submittal deadline dates (as established in the Department's Letting Schedule, ATTACHMENT Q, and this Agreement) must be made to the Department in writing not less than 5 days prior to the due date of the submittal. The request for extension must be signed by a principal/officer of the Consultant's firm. Incomplete submittals will not be accepted.

Milestone submittals include the engineering report (at 35% design timeline), plan / spec review (at 80% design timeline) and final submittal of all deliverables (at 100% design timeline). A detailed scope of services shall be attached with anticipated labor effort and costs delineated in ATTACHMENTS B / B1. Elements of this phase may include:

1. CONSTRUCTION PLANS, SPECIAL PROVISIONS AND ESTIMATES

The Consultant shall prepare and furnish for Department review and comment construction plans, special provisions and construction Safety Plan (per guidance explained in FAA AC 150/5370-2F (or current) Operational Safety on Airports during Construction) at the 80% project design timeline with detailed estimate of costs, estimated DBE participation goal and working/calendar day flow chart, for the particular design authorized in this Agreement.

2. CLARIFICATION OF PLANS

The Consultant shall render clarification of the construction plans and specifications, when and if such clarification is deemed necessary.

3. BIDDING ASSISTANCE

The Consultant shall assist the Sponsor and/or Department in the bidding process, analyze and summarize bid results.

C. CONSTRUCTION PHASE SERVICES – Not included in this agreement

This phase shall include all basic services after the award. A detailed scope of services shall be attached with anticipated labor effort and costs delineated in ATTACHMENTS C / C1.

1. OFFICE ENGINEERING

a. SHOP DRAWINGS

Review the detailed construction, shop and erection drawings submitted by the contractor(s) for compliance with design concepts.

b. SUPPLEMENTARY SKETCHES

Preparation of elementary and supplementary sketches plus estimates required to resolve actual field conditions.

c. RECORD DRAWINGS

The Consultant shall prepare Record Drawings within thirty (30) days after the official Notification from the Department of the Official Acceptance of the Construction Work; and after approval by the Department, furnish said Department with one (1) set of such record drawings. The submittal format shall be in accordance with the current policies of the Department.

d. MATERIALS CERTIFICATION

Prior to reporting a pay item quantity for payment, the materials used and incorporated in, or associated with the pay item, shall be verified for specification compliance by the Consultant. The Consultant shall obtain and review all certifications and/or test results required by the policies of the Department and the Department's *Manual for Documentation of Airport Materials*. At the completion of, or any time prior to the completion of the final quantity of a pay item, the Consultant shall submit the aforementioned material certifications and/or test results, that were utilized for acceptance of material, to the Department for review and final approval. Prior to final payment of engineering services under this agreement, the Consultant shall have submitted required certifications and test results to the Department, and the Consultant shall have signed the Department's MATERIALS CERTIFICATION FORM.

2. FIELD ENGINEERING

a. RESIDENT ENGINEER APPROVAL

The Consultant agrees to furnish the name and qualifications of the Resident Engineer in writing for approval of the participating agencies prior to the preconstruction conference that shall attend said preconstruction conference and shall perform the various professional engineering services required of the Resident Engineer in 2.b. thru 2.f. below and inspection of construction.

b. DAILY DIARY

The Resident Engineer shall maintain a daily diary. Copies shall be forwarded to the Department (ATTACHMENT F).

c. DUTIES OF RESIDENT ENGINEER

Furnish full time (unless part time is approved by the Sponsor and/or Department) Resident Engineering of construction including project inspection, field testing, and furnish surveying at the site of the work, whose duties shall include all reasonable, proper and customary duties as are usually and customarily furnished in connection with the general engineering of construction of such improvements, including but not limited to the following:

- i. Performance of acceptance and quality assurance tests when required by Department policy and/or contract specification. Examples of these tests include but are not limited to: Testing concrete for slump and air content; testing concrete for strength; testing bituminous concrete pavement for density using the nuclear method and using the Bulk Specific Gravity Method. Obtaining representative samples of miscellaneous materials such as paint, geotextile fabric, joint sealer, epoxy, polyester resin, etc. for testing as necessary, and/or as directed by the Department; performance of field density tests of earthwork embankments, backfills and subgrade; field density tests of subbase and base courses, and moisture content tests on materials where applicable; and, laboratory proctor tests where applicable. Test Reports shall be submitted to the Department within three (3) working days of the date the test was conducted.
- ii. Inspection/Measurement/Oversight of construction to determine that the work was completed in substantial conformance with the approved plans and specifications, and in compliance with the requirements set forth in the contract documents. All stop or start work orders shall be issued by the Department; the Resident Engineer shall recommend the orders. Document pay item quantities reported for pay in accordance with the latest revision of the Department's *Airport Construction Documentation Manual*.
- iii. Preparation and forwarding to the Department of periodic project reports required by the Department. Bi-weekly construction reports will be submitted to the Department, within three (3) calendar days of the end of the contractor's work week.
- iv. To obtain and review for specification compliance, material certifications and/or test results for all materials prior to their use in the construction.
- v. To reject for inclusion in the project, any materials that are delivered without certification and/or test results, or materials delivered with certification that has been found to be in noncompliance, or any defect found through visual inspection which renders the material unsuitable for inclusion in the project. The Department shall be notified when any rejections are made. Materials that are delivered without certification and/or test results may be stockpiled or

stored in a manner acceptable to the Resident Engineer until such time as the certification and/or test result arrive and are reviewed and accepted by the Resident Engineer.

- vi. Preparation of Reports required per the Sponsor's NPDES permit while providing on-site services, retaining all support documentation.
- vii. Participate in audits performed to determine that the project is proceeding accordingly per the plans and specifications and adhering to AIP grant requirements.

d. FINAL INSPECTION

Initiate a request, upon substantial completion of all construction work, for a final inspection by the Department. When necessary, a punch list of uncompleted items and electrical checklist (if applicable) on the project shall be established at the final inspection. Submit a final acceptance letter (punch list complete) which shall certify to the Department and the Sponsor that, to the best of the Consultant's knowledge, information and belief, the work involved has been done in substantial conformance with the plans, specifications, and Contract Document, as the same shall have been modified, or supplemented by change order, supplementary contract or otherwise, and that such work is acceptable.

e. SAFEGUARD THE SPONSOR

Endeavor to safeguard the Sponsor against any defects and deficiencies on the part of the Contractor. The Resident Engineer does not guarantee the performance of the contract by the Contractor, except that the Resident Engineer shall ensure that, to the best of the Resident Engineer's knowledge, information and belief, the work has been done in substantial conformance with the approved plans and specifications and advise the Sponsor and/or the Department in writing of any known noncompliance set forth in the contract. This does not in any way mean that the Resident Engineer is a guarantor of the Contractor's work. The Resident Engineer assumes no responsibility for safety in, on or about the job site, nor shall the Resident Engineer have any responsibility for the safety or adequacy of any equipment, building component, scaffolding, forms or other work aids provided by the contractor; nor is the Resident Engineer responsible for the superintendence of the contractor's work or any acts of the contractor.

f. OTHER ENGINEERING SERVICES

Furnish other Engineering Services which may be required by the Sponsor, including surveys, sub-surface investigations, sampling, testing, and analysis of soils, offsite inspection of materials, laboratory testing, and inspection and control at central mixing plants. Where tests must be conducted by commercial laboratories, only those laboratories approved by the Department will be utilized. If any of these services are conducted by outside firms, the Resident Engineer shall submit copies of the executed contract for such services as specified in Section III.B., of this Agreement. The charges for such services shall be specified in the contract and will remain in effect until completion of the services and acceptance by the Consultant. Certified copies of the results of all tests required by the Department under this paragraph are to be mailed to the Department within five (5) calendar days after the tests are completed.

g. FINAL QUANTITIES

Final quantities associated with the accepted construction work shall be submitted to the Department within thirty (30) days after final acceptance of the construction work.

D. PLANNING AND SPECIAL SERVICES

This phase may involve activities or studies unrelated to or outside of the scope of basic design and construction phase engineering services routinely performed by the Consultant. Those activities may include master plan and airport layout plan development, environmental studies and assessments, PCI surveys, FWD testing (when used to evaluate pavement as part of a publication revision), first-order NGS monument surveys, boundary surveys, aeronautical surveys, photogrammetric surveys and topographic mapping, preparation of property ownership plats and easements, appraisal and land acquisition services, benefit / cost analysis studies, RSA determination studies, drainage studies and analyses, FEMA/FIRM map revisions and GIS updates. A detailed scope of services shall be attached with anticipated labor effort and costs delineated in ATTACHMENTS D / D1.

E. ENDORSEMENT OF DOCUMENTS

The Consultant will endorse and seal all final draft reports, contract plans, maps, right of way plats, and special provisions for construction contract documents. Such endorsements must be made by a person, duly licensed or registered in the appropriate category by the Department of Financial and Professional Regulation of the state of Illinois, being employed by the Consultant and responsible for the portion of the services for which license registration is required. These sealed documents will serve as the record documents for the services covered by the terms of the Agreement.

F. DELIVERABLES

At a minimum, the Consultant shall provide the Department (copy Sponsor upon request) the following deliverables:

1. Final project estimate of costs complete w/ professional services fees and sponsor reimbursement estimates.
2. DBE participation goal and breakout of DBE work.
3. QA verification of ELM Engineers Estimate for Schedule of Prices.
4. Calendar day estimate of construction and detailed breakout of critical work items and associated production rates.
5. One set of final construction plans (half-size) and special provisions – sealed by the Consultant and executed by the Sponsor.
6. One copy of the construction Safety Plan (per guidance explained in FAA AC 150/5370-2F (or current) Operational Safety on Airports during Construction).
7. Original executed Consultant Project Certification (ATTACHMENT N).
8. Executed DBE Final Documentation (ATTACHMENT O).
9. Electronic copy/access of all information (via CD, electronic submittal or ftp site).

G. NOTICE-TO-PROCEED (NTP)

The Consultant shall not commence any phase of the work until the “official notice-to-proceed” (NTP) has been issued in writing either by the Sponsor or Department (via Office of Planning and Programming).

Services to be performed by the Consultant under this Agreement shall become eligible for funding participation consideration as of the date of the written NTP. The execution date of the consultant retainer agreement or the execution date of a consultant agreement for a single project after consultant selection if not included within the retainer agreement, shall constitute the NTP. The Consultant shall schedule a project phase kick-off meeting (pre-design, pre-construction, etc) with the Sponsor and the Department at the earliest possible convenience upon the Sponsor’s receipt of this letter.

For projects not covered by a program letter or with program letter pending, the Sponsor is fully liable for all costs incurred as a result of such authorization pending future reimbursement once the project is programmed and a program letter is issued. The Sponsor/Consultant is required to schedule a project phase kick-off meeting (pre-design, pre-construction, etc) with the Sponsor and the Department at the earliest possible convenience.

A copy of the program letter shall be included as ATTACHMENT R of this Agreement.

In the absence of a written, dated notice-to-proceed, the execution date of this Agreement shall be used to determine the eligibility of service dates.

The Sponsor and the Department are not liable, and shall not authorize payment to the Consultant, for any services performed prior to the date of notice to proceed or the execution of this Agreement (whichever takes precedent). All effort, regardless of the notice-to-proceed authorization, is subject to review and eligibility funding determination.

H. DETAILED SCOPE OF SERVICES

Under this agreement the Engineer will provide design phase and special services as provided for herein. The proposed project will include the design phase services for the **Rehabilitate and Reprofile Runway 8/26**.

The design phase and special services engineering effort contained within this agreement has been based on the following additional scope related parameters, understanding of proposed improvements and anticipated level of effort:

- I. General
 - a. The project schedule is based on the anticipation that the project will be placed on an IDOT letting no later than July 30, 2021. As such, all engineering effort is expected to be completed by the letting date and no additional effort will be required on the project after the anticipated award date.
- II. Topographic Survey and Data Gathering
 - a. Horizontal and vertical control will be established and extended as necessary to complete the area survey. The horizontal datum used will be the Illinois State Plane Coordinate System of the North American Datum of 1983 (NAD83). This control will be established utilizing GPS and conventional ground surveys as needed. Vertical elevations will reference the North American Vertical Datum of 1988 (NAVD88).
 - b. The topographic survey will show the existing site conditions including pavement areas and types. The pavement area within the project limits will be cross-sectioned at approximately 50 foot intervals. Additional elevation data will be gathered but limited to areas adjacent to the edge of pavement.
 - c. Geotechnical Investigation will be completed to determine existing pavement structure and soil conditions. CBR, Modified Proctor, Atterberg limits and organic content testing will be completed.
- III. Project Improvements
 - a. Evaluation of the existing pavement structure along with soil conditions, existing airport fleet mix (as provided by the airport), forecasted fleet mix and existing operations/growth for the determination of pavement structure requirements.
 - b. Evaluation of the surveyed pavement elevations to determine longitudinal and transverse slope deficiencies and RSA grading. Efforts will be made to remediate deficiencies to accommodate FAA criteria and positive drainage characteristics.
 - c. Grading within the Runway End safety areas
 - d. Widening of the Runway to 75' to meet FAA Criteria. A new pavement design evaluation will be completed based on soil conditions, fleet mix and operations.

- e. The runway improvement area is anticipated to be approximately 3800' x 75' including the transition to the connecting taxiway pavements.
- f. The design is limited to evaluation and rehabilitation of the existing Runway pavement. Horizontal geometry changes to the taxiway will only occur within the transition areas adjacent to the Runway.
- g. Removal of the runway stake mounted lights utilized for the displaced threshold and changes to the light lenses of the fixtures within the displaced threshold will be necessary.
- h. Adjustments of the existing airfield light fixture may be necessary pending the scope of pavement improvements.
- i. Existing drainage structure adjustments may be necessary pending the scope of the pavement improvements.
- j. Marking of runway pavement markings along with runway holdline markings for the project will be designed in accordance with the latest version of the FAA's Advisory Circular, 150/5340-1, Standards for Airport Markings.
- k. Shoulder adjustment, erosion control and landscaping will be designed as necessary.

IV. Special Services

- a. NEPA Clearance and preparation of Environmental Review
- b. Airspace submittal
- c. Aerial Photography and Mapping
- d. Coordination on AGIS website
- e. GIS Data Development
- f. ALP Update

The anticipated effort and estimated manhours for each Task is defined within Attachments B, B-1, B-2, B-3, D, D-1, D-2 and D-3 contained within this contract.

II. CONSULTANT COMPENSATION

The Sponsor agrees to pay the Consultant as compensation for rendering the professional services hereinabove described and submitted using the standard Department invoice forms (ATTACHMENTS G & H). Burden and overhead rates entered into this Agreement shall be in effect for the length of the agreement and will not be adjusted, except as may be determined under an audit of costs by the Auditor General or the Department. The rates used in this Agreement shall be the latest audited or provisional approved rates by IDOT as of the date of execution of this Agreement (approval letter must be attached). Should the rate change in the time between the final approval notification of fees and the execution of this Agreement, hours will be adjusted accordingly so that there is no increase in the final approved not-to-exceed amount.

Any professional services effort performed beyond the not-to-exceed limits expressed below, and for which a future amendment will be sought, will be performed under all Agreement provisions as the original contracted work. The dollar value of such effort is not considered approved for payment until review and approval by the Department.

A. PRELIMINARY ASSESSMENT AND SCHEMATIC DESIGN – Compensation Included in Paragraph II.B

For services outlined in Section I.A., Preliminary Assessment and Schematic Design, and further detailed in Section I.H., Detailed Scope of Services,

1. a lump sum payment of \$ N/A (representing approximately 35% of the total estimated professional services compensation for design phase services as determined from the TIP request). The fee shall be paid as a lump sum when the preliminary assessment and schematic design phase deliverables (outlined in Section I.A.) are approved and accepted by the Department.

B. DESIGN PHASE SERVICES

For services outlined in Section I.B., Design Phase Services, and further detailed in Section I.H., Detailed Scope of Services,

1. a cost plus a fixed payment of \$ 14,540.00

total amount not to exceed \$ 125,400.00 unless a major change or addition to the scope of services is required by the Department or extensions of time are necessary for completion of the project. All justification for amendments shall be documented with effort recorded separate from the hours approved under this Agreement. All amendment requests must be supported by justification per Section III.M., Amendments to the Agreement. The payment of this fee shall be made in monthly installments submitted by the Consultant and approved by the Department. The final charges shall be submitted after the Design Phase Services have been performed, approved and all deliverables accepted by the Department in accordance with the guidance outlined in Section I.F. This period of time expires 30 days after award of the construction contract. Any submittal after this time shall not be considered eligible for payment / reimbursement by the Department unless extended by the Department.

2. a lump sum payment of \$ N/A unless a major change or addition to the scope of work is required by the Department or extensions of time are necessary for completion of the project. All justification for amendments shall be documented with effort recorded separate from the hours approved under this Agreement. All amendment requests must be supported by justification per Section III.M., Amendments to the Agreement. The fee shall be paid as a lump sum when the design phase deliverables (outlined in Section I.F.) are approved and accepted by the Department.

C. CONSTRUCTION PHASE SERVICES – Not included in this Agreement

For services outlined in Section I.C., Construction Phase Services, and further detailed in Section I.H, Detailed Scope of Services,

1. a cost plus a fixed payment of \$ N/A

total amount not to exceed \$ N/A unless a major change or addition to the scope of work is required by the Department or extensions of time are necessary for completion of the project. All justification for amendments shall be documented with effort recorded separate from the hours approved under this Agreement. All amendment requests must be supported by justification per Section III.M., Amendments to the Agreement. The payment of this fee shall be made in monthly installments submitted to and approved by the Sponsor (and/or Department if applicable). The final charges shall be as soon as possible after official notification from the Consultant of the acceptance of the construction work. A time line will be submitted at each billing cycle after 50% which will indicate a projection of the completed engineering fee vs. the contractor's progress.

If more than one contract exists for the project, the monthly invoices submitted by the Consultant shall detail the amounts of work accomplished under each separate contract. The invoices shall also indicate the dates that the services were performed. If these services are furnished by the Consultant by obtaining such services outside the Consultant's organization, the Consultant shall be reimbursed at his actual cost for obtaining these services. However, the total payment to the Consultant shall be within the "not to exceed" amount as previously stated unless an amendment to this agreement is approved by the Sponsor (and/or Department if applicable).

D. PLANNING AND SPECIAL SERVICES

For services outlined in Section I.D., Planning and Special Services, and further detailed in Section I.H., Detailed Scope of Services,

1. a cost plus a fixed payment of \$ 2,100.00
total amount not to exceed \$ 32,000.00 unless a major change or addition to the scope of work is required by the Department or extensions of time are necessary for completion of the project. All justification for amendments shall be documented with effort recorded separate from the hours approved under this Agreement. All amendment requests must be supported by justification per Section III.M., Amendments to the Agreement. The payment of this fee shall be made in monthly installments submitted to and approved by the Sponsor. The final charges for the Special Services Phase shall be submitted within forty-five (45) days after official notification from the Consultant of the acceptance of the construction work or within 45 days after official notification from the Department of acceptance of other non-construction projects unless extended by the Department.

2. a lump sum payment of \$ N/A unless a major change or addition to the scope of work is required by the Department or extensions of time are necessary for completion of the project. All justification for amendments shall be documented with effort recorded separate from the hours approved under this Agreement. All amendment requests must be supported by justification per Section III.M., Amendments to the Agreement. The fee shall be paid as a lump sum when the deliverables are approved and accepted by the Department.

III. SPECIAL CONDITIONS

The Consultant shall render the services in accordance with generally accepted Professional Standards.

A. TERMINATION

(Reference: 49 CFR Part 18.36(i)(2); FAA Order 5100.38)

The Sponsor, by written seven (7) day notice, may terminate this agreement in whole or in part at any time, because of the failure of the other party to fulfill his agreement obligations. Upon receipt of such notice, the Consultant shall: (1) immediately discontinue all services affected (unless the notice directs otherwise), and (2) deliver to the Sponsor all data, drawings, specifications, reports, estimates, summaries and such other information and materials as may have been accumulated by the Consultant in performing this agreement whether completed or in process.

1. If the termination is due to the failure of the Consultant to fulfill his agreement obligations, the Sponsor may take over the work and prosecute the same to completion by agreement or otherwise. In such case, the Consultant shall be liable to the Sponsor for any additional cost occasioned to the Sponsor thereby.

2. If, after notice of termination for failure to fulfill agreement obligations, it is determined that the Consultant had not so failed, the termination shall be deemed to have been effected for the convenience of the Sponsor.

3. It is hereby understood and agreed that should the agreement be terminated, the Consultant shall be entitled to and shall receive a fee based on the amount of work accomplished and approved by the Department up to the day of notification of termination. The fee shall be equal to the sum of the actual number of man-hours of each category of work applied at a negotiated hourly rate, plus any outside services approved by the

participating agencies and accomplished prior to the notification. If terminated under Section III.HH., Breach of Contract Terms, the Consultant will not be entitled to profit on the work accomplished.

B. CHANGE IN CONSTRUCTION PLANS

It is hereby understood and agreed that if the construction plans are completed in accordance with criteria and/or decisions made by the Sponsor (and/or the Department if applicable), and approved by the Department, and said construction plans are substantially changed or revised, for any reason other than the fault of the Consultant in preparing same, then the Consultant shall be entitled to compensation for rendering the services necessary to complete the changes. The amount of this fee shall be negotiated between the Sponsor, Consultant and the Department, and approved by the Department, and an amendment to the agreement should be accomplished prior to authorizing the Consultant to proceed with the changes. The fee shall be due and payable when the revisions are approved by the Sponsor and the Department.

It is the Consultants responsibility to notify the Department as soon as possible when changes/revisions are identified that are beyond the scope of services contemplated under this Agreement.

C. HOLD HARMLESS

The Consultant shall be responsible to pay for all labor, material and equipment costs incurred and for any and all damages to property or persons to the proportionate extent arising out of the negligent performance of services under this agreement and shall indemnify and save harmless the Sponsor, (and/or the Department if applicable), their officers, agents and employees from all third party suits, claims, actions or damages of any nature whatsoever to the proportionate extent resulting there from. These indemnities shall not be limited by the listing of any insurance coverage. If any errors, negligent acts and/or omissions are made by the Consultant in any phase of the work under this agreement, the correction of which may require additional field or office work, the Consultant will be promptly notified and will be required to perform such additional services as may be necessary to correct these errors, negligent acts and/or omissions without undue delay and without additional cost to the Sponsor (and/or the Department if applicable). The Consultant shall be responsible for any damages incurred as a result of his errors, negligent acts and/or omissions and for any losses or cost to repair or remedy construction as a result of his errors, omission and/or negligent acts, to the extent such error, omission or negligent act breaches the Professional Standard of care. The Consultant shall not be responsible for any consequential damages of the Sponsor or the Department. Neither the Consultant, nor the Sponsor, nor the Department shall be obligated for the other parties' negligence or for the negligence of others.

D. DRAWING OWNERSHIP

It is further mutually agreed by the parties hereto that reproducible copies of the drawings, computer disks, tracings, construction plans, specifications and maps prepared or obtained under the terms of the contract shall be delivered to and become the property of the Sponsor and basic survey notes and sketches, charts, computations and other data shall be made available upon request of the Sponsor. If any information is used by the Sponsor or another Consultant such use or reuse by the Sponsor or others shall be at the sole risk and without liability or legal exposure to the Consultant.

E. CONTRACT FOR OUTSIDE SERVICES

If any of the services outlined in Section I. are furnished by the Consultant by obtaining such services outside the Consultant's organization, the Consultant shall provide an executed contract between the person(s) or firm and the Consultant outlining the services to be performed and the charges for the same. Two (2) copies of the executed contract shall be

submitted to the participating agencies for approval prior to the services being performed; all covenants and Special Conditions shall be included and binding on all subcontracts.

F. FORMERLY NOTICE TO PROCEED (See Section I.G.)

G. SUBLET AGREEMENT

Each party binds himself, his partners, successors, executors, administrators and assigns, to the other part of this agreement and to the partners, successors, executors, administrators and assigns for such other party at all covenants of this Agreement.

Except as above, neither the Sponsor nor the Consultant shall assign, sublet or transfer his interest in this agreement without the written consent of the other party hereto.

H. AGREEMENT EXPIRES

This agreement expires upon final approval and acceptance of the completed project(s) by the Sponsor (and/or Department as applicable), and after all final engineering charges have been paid to the Consultant as of the date of project close-out or after five years from the date of execution, whichever comes first. Payment liability by the State is as outlined above (see Section I.G., Notice to Proceed and Section II., Consultant Compensation).

I. EQUAL EMPLOYMENT OPPORTUNITY

(Reference: 49 CFR Part 21; FAA AC 150/5100-15A or latest revision)

The Consultant agrees to conduct the services in compliance with all the requirements imposed by or pursuant to Title VI of the Civil Rights Act of 1964, Part 21 of the Regulations of the Secretary of Transportation, and Executive Order No. 11246, "Equal Employment Opportunity," as amended.

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

1. Compliance with Regulations. The Consultant shall comply with the Regulations relative to nondiscrimination in federally assisted programs of the Department of Transportation (hereinafter, "DOT") Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
2. Nondiscrimination. The Consultant, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or national origin in the selection and retention of subconsultants, including procurements of materials and leases of equipment. The Consultant 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, Procurements of Materials and Equipment. In all solicitations either by competitive bidding or negotiation made by the Consultant for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subconsultant or supplier shall be notified by the Consultant of the Consultant's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.
4. Information and Reports. The Consultant 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 sponsor or the Federal Aviation Administration (FAA) to be pertinent to

ascertain compliance with such Regulations, orders, and instructions. Where any information required of a Consultant is in the exclusive possession of another who fails or refuses to furnish this information, the Consultant shall so certify to the sponsor or the FAA, as appropriate, and shall set forth what efforts it has made to obtain the information.

5. Sanctions for Noncompliance. In the event the Consultant's noncompliance with the nondiscrimination provisions of this contract, the sponsor shall impose such contract sanctions as may determine to be appropriate, including, but not limited to:
 - a. withholding of payments to the Consultant under the contract until the Consultant complies, and/or
 - b. cancellation, termination, or suspension of the contract, in whole or in part.

Incorporation of Provisions. The Consultant shall include the provisions of paragraphs 1 through 5 (above) in every subcontract, including procurement of materials and leases of equipment, unless exempt by the Regulations or directives issued pursuant thereto. The Consultant shall take such action with respect to any subcontract or procurement as the sponsor may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, however, that in the event an Consultant becomes involved in, or is threatened with, litigation with a subconsultant or supplier as a result of such direction, the Consultant may request the sponsor and/or Department to enter into such litigation to protect the interests of the sponsor and, in addition, the Consultant.

DISADVANTAGED BUSINESS ENTERPRISE (DBE) ASSURANCES

1. Policy. It is the policy of the Department of Transportation (DOT) that disadvantaged business enterprises as defined in 49 CFR Part 23 shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with Federal funds under this agreement. Consequently, the DBE requirements of 49 CFR Part 23 applies to this agreement.
2. DBE Obligation. The Consultant agrees to ensure that disadvantaged business enterprises as defined in 49 CFR Part 23 have the maximum opportunity to participate in the performance of contracts and subcontracts financed in whole or in part with Federal funds provided under this agreement. In this regard, all Consultants shall take all necessary and reasonable steps in accordance with 49 CFR Part 23 to ensure that disadvantaged business enterprises have the maximum opportunity to compete for and perform contracts. Consultants shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of DOT-assisted contracts.

J. OPEN ACCESS TO DOCUMENTS

(Reference: 49 CFR Part 18.36(i); FAA Order 5100.38)
(Public Act 90-0572 Section 20-65; Public Act 87-991)

The Consultant shall maintain, for a minimum of 5 years after the completion of the contract, adequate books, records, and supporting documents to verify the amounts, 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 Consultant agrees to cooperate fully with any audit conducted by the Auditor General 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 State for the recovery of any funds paid by the State under the contract for which adequate books, records, and supporting documentation are not available to support their purported disbursement.

K. CERTIFICATION OF CAPACITY TO CONTRACT

(Public Act 90-0572, Section 50-13)

It is unlawful for any person holding an elective office in this State, holding a seat in the General Assembly, or appointed to or employed in any of the offices of State government, or who is an officer or employee of the Illinois Building Authority or the Illinois Toll Highway Authority, or who is the wife, husband or minor child of any such person, to have or acquire any contract, or any direct pecuniary interest in any contract therein, whether for stationery, printing, paper or for any services, materials or supplies, which will be wholly or partially satisfied by the payment of funds appropriated by the General Assembly of the State of Illinois or in any contract of the Illinois Building Authority or the Illinois Toll Highway Authority. Payments made for a public aid recipient are not payments pursuant to a contract with the State within the meaning of this Section.

It is unlawful for any firm, partnership, association or corporation in which any such person is entitled to receive more than 7 1/2% of the total distributable income to have or acquire any such contract or direct pecuniary interest therein.

It is unlawful for any firm, partnership, association or corporation in which any such person together with his spouse or minor children is entitled to receive more than 15%, in the aggregate, of the total distributable income to have or acquire any such contract or direct pecuniary interest therein.

Nothing in this Section invalidates the provisions of any bond or other security hereto or hereafter offered for sale or sold by or for the State of Illinois.

This Section does not affect the validity of any contract made between the State and an officer or employee of the State or member of the General Assembly, his spouse, minor child or any combination of such persons, if that contract was in existence before his election or employment as such officer, member, or employee. Such a contract is void, however, if it cannot be completed within 6 months after such officer, member, or employee takes office, or is employed.

This Section does not apply to (1) a contract for personal services as a teacher or school administrator between a member of the General Assembly or his spouse, or a State officer or employee or his or her spouse, and any school district, public community, college district, the University of Illinois, Southern Illinois University or any institution under the control of the Board of Governors of State Colleges and Universities or under the control of the Board of Regents or (2) a contract for personal service of a wholly ministerial character including but not limited to services as a laborer, clerk, typist, stenographer, page, bookkeeper, receptionist or telephone switchboard operator, made by a spouse or minor child of an elective or appointive State officer or employee or of a member of the General Assembly or (3) payments made to a member of the General Assembly, a State officer or employee, his or her spouse or minor child acting as a foster parent, homemaker, advocate, or volunteer for or in behalf of a child or family served by the Department of Children and Family Services.

Any person convicted of a violation of this Section shall be guilty of a business offense and shall be fined not less than \$1,000 nor more than \$5,000.

The appropriate Certification of Capacity to Contract will be executed in Section III.X., of this agreement.

L. THE CONSULTANT SELECTION

(Reference: 49 CFR Part 18; FAA AC 5100-14D or latest revision)
(30 ILCS 535; IDOT-Aeronautics Administrative Bulletin: 2010-02)

The Village of Lake in the Hills hereby certifies that it
(Sponsor)
has completed the prescribed qualifications based consultant selection procedures.

The firm of (Crawford, Murphy and Tilly, Inc.) of (Springfield, IL) has
(Consultant) (Location)
been selected to provide the engineering services required for the project on:

February 21, 2019
(Date)

A copy of the executed Retainer Agreement identifying the project covered by this Agreement is included as ATTACHMENT U.

M. AMENDMENTS TO THE AGREEMENT

All effort recorded to document a claim for additional compensation must be delineated separately from the original scope of services with personnel, classifications, dates worked, rates, hours and services thoroughly detailed and clearly identified.

The Department shall be notified of potential amendment requests at the earliest possible opportunity once it has been determined that any of the following three circumstances may exist. Any amendments to the Agreement which increases the fee or the time of performance must contain one of the following written determinations (with support documentation) depending upon the circumstances of the change.

1. The undersigned determine that the circumstances which necessitate this change were not reasonably foreseeable at the time the contract was signed.
2. The undersigned determine that the circumstances which necessitate this change were not within the contemplation of the contract as signed.
3. The undersigned determine that this change is in the best interest of the state of Illinois and is authorized by law.

Date

Sign Name

Print Name

Title

Any professional services effort performed beyond the not-to-exceed limits expressed in Section II. Consultant Compensation, and for which a future amendment will be sought, will be performed under all Agreement provisions as the original contracted work. The dollar value of such effort is not considered approved for payment until review and approval by the Department.

O. CERTIFICATION OF CONSULTANT

(Public Act 90-0572 Section 50-5)

I hereby certify that I am the Vice President (title) and duly authorized representative of the firm Crawford, Murphy & Tilly, Inc.

whose address is 2750 West Washington Street, Springfield, IL 62702 and that neither I nor the above firm I here represent has:

1. employed or retained for a commission, percentage, brokerage, contingent fee, or other consideration, any firm or person (other than a bona fide employee working solely for me or the above Consultant) to solicit or secure this Agreement,
2. agreed, as an express or implied condition for obtaining this contract, to employ or retain the services of any firm or person in connection with carrying out the Agreement, or
3. paid or agreed to pay to any firm, organization, or person (other than a bona fide employee working solely for me or the above Consultant) any fee, contribution, donation, or consideration of any kind for, or in connection with, procuring or carrying out the contract; except as here expressly stated (if any):

The firm certifies by execution:

1. it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm, nor has the firm been barred from being awarded a contract or subcontract.
2. it has not been barred from contracting with a unit of state or local government as a result of a violation of the Criminal Code of 1961.

I acknowledge that this certification is to be furnished to the Federal Aviation Administration of the United States' Department of Transportation in connection with this contract involving participation of Airport Improvement Program (AIP) funds and is subject to applicable state and Federal laws, both criminal and civil.

September 7, 2021
Date


Sign Name

Douglas J. Klonowski, PE
Print Name

Vice President
Title

P. FEDERAL TAXPAYER IDENTIFICATION NUMBER

The following statement is made under penalty of perjury:

"The Firm's correct Federal Taxpayer Identification Number is 37-0844662

. (I am) (This firm is) doing business as a (please check one):

 Individual Partnership X Corporation

Q. DISADVANTAGED BUSINESS ENTERPRISE (DBE) PARTICIPATION

(Reference: 49 CFR Part 26)

Contract Assurance (§26.13) - The Consultant or subconsultant shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Consultant shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT assisted contracts. Failure by the Consultant to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy, as the recipient deems appropriate.

In keeping with the DBE plan adopted by the Sponsor, the Consultant shall take all necessary and reasonable steps to attain DBE participation in this contract.

The work for each subconsultant should be listed separately. If the subconsultant is being utilized to meet the project DBE goal, they must be prequalified in that category and certified as a DBE in that category. Please indicate that they are certified in that category. The certification list is available on the Department’s website on the “Doing Business” menu under Small Business Enterprises and IL UCP directory <http://www.dot.il.gov/ucp/ucp.html#DBE> Directory. The percent of work is computed based on the individual subconsultant’s work effort in each category

Firm Name: GeoServices Inc.

Subcontract Amount (\$): \$10,607.50

Prequalification Category	% of Work	DBE Certification
Construction Engineering	8.5%	MBE
_____	_____	_____
_____	_____	_____

If more than one subconsultant is being used, attach additional sheets.

NOTE: All final payment requests shall include a completed ATTACHMENT O - DBE Final Documentation or the complete information on the Consultant's format.

R. DISCRIMINATION

(Reference: 49 CFR Part 21; FAA AC 150/5100-15A or latest revision)
(Executive Order 11246 of September 24, 1965; 41 CFR Part 60)

The Consultant agrees not to commit unlawful discrimination in employment in Illinois and further agrees to take affirmative action to ensure that no unlawful discrimination is committed.

S. DUES/FEEES TO CLUBS WHICH DISCRIMINATE

(775 ILCS 25/2 Source: P.A. 85-909)

The Consultant of the business entity certifies that it is not prohibited from selling goods or services to the State of Illinois because it pays dues or fees on behalf of its employees or agent or subsidizes or otherwise reimburses them for payment of their dues or fees to any club which unlawfully discriminates.

T. CONFLICT OF INTEREST

(Public Act 90-0572 Section 50-13)

The Consultant agrees to comply with the provision of the Illinois Public Act prohibiting conflict of interest and all the terms, conditions and provisions of those Sections apply to this contract

and are made a part of this contract the same as though they were incorporated and included herein.

U. FELONY CONVICTION

(Public Act 90-5072 Section 50-10)

The Consultant certifies that if he/she or the business entity has been convicted of a felony, at least five years has passed since the completion of the sentence as of the contract date.

V. ILLINOIS HUMAN RIGHTS NUMBER

The Consultant must have an Illinois Department of Human Rights prequalification number, or have an application on file with the Illinois Department of Human Rights office at the State of Illinois Center, Suite 10-100, 100 West Randolph, Chicago, Illinois 60601 (refer to Department of Human Rights form).

(#IDHR PC-1/IL 442-0010). IDHR # 93788-00.

W. EDUCATIONAL LOAN DEFAULT

(5 ILCS 385).

The Consultant certifies that, if this agreement is with an individual or individuals, that he/she is not in default on an educational loan.

X. DRUG FREE WORKPLACE

(30 ILCS 580).

If the Consultant has 25 or more employees, the following certification shall apply and, by signing this document, the Consultant certifies as follows:

1. The Consultant certifies that he will provide a drug free workplace in compliance with the Drug Free Workplace Act ("Act"). Specifically, Consultant certifies he will do the following:
 - a. Publish a statement:
 - i. Notifying employees that the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance, including cannabis, is prohibited in the Consultants workplace.
 - ii. Specifying the actions that will be taken against employees for violations of such prohibition.
 - iii. Notifying the employee that, as a condition of employment on this agreement, the employee will:
 - 1) abide by the terms of the statement; and
 - 2) 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. Establish a drug free awareness program to inform employees about:
 - i. the dangers of drug abuse in the workplace;
 - ii. the Consultant policy of maintaining a drug free workplace;
 - iii. any available drug counseling, rehabilitation, and employee assistance programs; and
 - iv. the penalties that may be imposed upon employees for drug violations.
 - c. Give a copy of the statement described above to each employee engaged in the performance of the contract and post the statement in a prominent place in the workplace.
 - d. Notify the State within 10 days after receiving notice under part (a)(3)(B) above from an employee or otherwise receiving actual notice of such conviction.

- e. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program by, any employee who is so convicted, as required by §5 of the Act.
- f. Assist employees in selecting a course of action in the event drug counseling, treatment, and rehabilitation is required and indicate that a trained referral team is in place.
- g. Make a good faith effort to continue to maintain a drug free workplace through implementation of §3 of the Act.

If an individual, the Consultant further certifies that he will not engage in the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance in the performance of the agreement.

Y. CAPACITY TO CONTRACT
(Public Act 90-0572)

The Consultant certifies that the Corporation's certificate of Authority to do business in Illinois, is in good standing with the Secretary of State's Office.

CERTIFICATION OF CAPACITY TO CONTRACT

Public Act 90-0572 prohibits certain persons and entities from having or acquiring any contract with the State of Illinois and from having or acquiring any direct pecuniary interests in any contract with the State of Illinois, whether for materials, services, supplies, printing or stationery. This prohibition does not extend to certain contracts for personal services of a ministerial nature as provided for in the Act.

(Corporation)

The undersigned, being a duly authorized representatives of Crawford, Murphy and Tilly, Inc., a corporation, hereby certify that they have read Public Act 90-0572 Section 50-13 and that they have checked the records of the corporation and that no person who is entitled to receive individually more than 7 1/2% of the total distributable income of the corporation, or together with their spouse or minor child more than 15% of the total distributable income of the corporation, is (i) an elected State official, a member of the General Assembly, an appointed State officer, a State employee; (ii) an officer or employee of the Illinois Toll Highway Authority or of the Illinois Building Authority; or (iii) a spouse or a minor child of any such enumerated person.

7th day of September, AD, 2021

Crawford, Murphy & Tilly, Inc.

Corporation

BY 

BY 

Douglas J. Klonowski, PE, Vice President
Printed Name & Title

Brian R. Welker, PE, Sr Vice President & COO
Printed Name & Title

CERTIFICATION OF CAPACITY TO CONTRACT

Public Act 90-0572 prohibits certain persons and entities from having or acquiring any contract with the State of Illinois and from having or acquiring any direct pecuniary interests in any contract with the State of Illinois, whether for materials, services, supplies, printing or stationery. This prohibition does not extend to certain contracts for personal services of a ministerial nature as provided for in the Act.

(Partnerships and Non-Corporate Firms and Associations)

The undersigned, being each and every one of the partners/members/associates/(other) of

N/A

_____ , hereby certify on behalf of themselves individually, that they have read Public Act 90-0572 Section 50-13 and that (i) they are not an elected State official, a member of the General Assembly, an appointed State officer, a State employee; an officer or employee of the Illinois Toll Highway Authority or of the Illinois Building Authority; nor a spouse or minor child of any such enumerated person; or (ii) that they are such an enumerated person but that they are not entitled to receive individually more than 7 1/2% of the total distributable income of the partnership/firm/association, or together with their spouse or a minor child more than 15% of the total distributable income of the partnership/firm/association.

_____ day of _____ , AD, 20_____

BY _____

BY _____

Printed Name & Title

Printed Name & Title

d/b/a _____
(Name)

Z. CERTIFICATION REGARDING LOBBYING

(Reference: 49 CFR Part 20, Appendix A)

Certification for Contracts, Grants, Loans and Cooperative Agreements.

The Consultant certifies compliance with Section 319 of Public Law 101-102 and to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an Officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, US Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

AA. INTERNATIONAL BOYCOTT

(Applicable to contracts in excess of \$10,000):

The Consultant certifies that neither it nor any substantially-owned affiliated company is participating or shall participate in an international boycott in violation of the provisions of the U.S. Export Administration Act of 1979 or the regulations of the U.S. Department of Commerce promulgated under that Act. The Consultant makes the certification set forth in Section 5 of the International Anti-Boycott Certification Act.

BB. NON-APPROPRIATION CLAUSE

Obligations of the State will cease immediately without penalty or further payment being required in any fiscal year the Illinois General Assembly fails to appropriate or otherwise make available sufficient funds for payment of this Agreement.

CC. DEBT CERTIFICATION

The Consultant certifies that it, or any affiliate, is not barred from being awarded a contract under 30 ILCS 500/50-11 and 50-12. The Consultant further acknowledges that the contracting State agency may declare the contract void if the preceding certification is false or if the contractor, or any affiliate, is determined to be delinquent in the payment of *any* debt to the State during the term of the contract.

DD. GOODS FROM CHILD LABOR ACT

The Consultant certifies in accordance with Public Act 94-0264 that no foreign made equipment, materials, or supplies furnished to the State under the contract have been produced in whole or in part by the labor of any child under the age of 12.

EE. QUALIFICATION BASED SELECTION ACT

(Reference: 49 CFR Part 18.36; FAA Order 5100.38; FAA AC 150/5100-14 (latest))

The parties hereby certify that there was compliance with the provisions of the State of Illinois' Architectural, Engineering and Land Surveying Qualifications Based Selection Act, Chapter 30 ILCS 535 in the procurement of the services covered by this Agreement.

FF. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

(Reference: 49 CFR Part 29; FAA Order 5100.38)

The Consultant certifies, by submission of this proposal or acceptance of this contract, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency. It further agrees by submitting this Agreement that it will include this clause without modification in all lower tier transactions, solicitations, proposals, contracts, and subcontracts. Where the Consultant or any lower tier participant is unable to certify to this statement, it shall attach an explanation to this solicitation/proposal.

GG. RIGHTS TO INVENTIONS

(Reference: 49 CFR Part 18.36(i)(8); FAA Order 5100.38)

All rights to inventions and materials generated under this contract are subject to regulations issued by the FAA and the Sponsor of the Federal grant under which this contract is executed.

HH. TRADE RESTRICTION CLAUSE

(Reference: 49 CFR Part 30.13; FAA Order 5100.38)

The Consultant or subconsultant, by submission of an offer and/or execution of a contract, certifies that it:

1. is not owned or controlled by one or more citizens of a foreign country included in the list of countries that discriminate against U.S. firms published by the Office of the United States Trade Representative (USTR);
2. has not knowingly entered into any contract or subcontract for this project with a person that is a citizen or national of a foreign country on said list, or is owned or controlled directly or indirectly by one or more citizens or nationals of a foreign country on said list;
3. has not procured any product nor subcontracted for the supply of any product for use on the project that is produced in a foreign country on said list.

Unless the restrictions of this clause are waived by the Secretary of Transportation in accordance with 49 CFR 30.17, no contract shall be awarded to a Consultant or subconsultant who is unable to certify to the above. If the Consultant knowingly procures or subcontracts for the supply of any product or service of a foreign country on said list for use on the project, the Federal Aviation Administration may direct through the Sponsor cancellation of the contract at no cost to the Government.

Further, the Consultant agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification without modification in each contract and in all lower

tier subcontracts. The Consultant may rely on the certification of a prospective subconsultant unless it has knowledge that the certification is erroneous.

The Consultant shall provide immediate written notice to the sponsor if the Consultant learns that its certification or that of a subconsultant was erroneous when submitted or has become erroneous by reason of changed circumstances. The subconsultant agrees to provide written notice to the contractor if at any time it learns that its certification was erroneous by reason of changed circumstances.

This certification is a material representation of fact upon which reliance was placed when making the award. If it is later determined that the Consultant or subconsultant knowingly rendered an erroneous certification, the Federal Aviation Administration may direct through the Sponsor cancellation of the contract or subcontract for default at no cost to the Government.

Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by this provision. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

This certification concerns a matter within the jurisdiction of an agency of the United States of America and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code, Section 1001.

II. BREACH OF CONTRACT TERMS

(Reference: 49 CFR Part 18.36)

Any violation or breach of terms of this contract on the part of the Consultant or their subconsultants may result in the suspension or termination of this contract or such other action that may be necessary to enforce the rights of the parties of this agreement. The duties and obligations imposed by the Contract Documents and the rights and remedies available thereunder shall be in addition to and not a limitation of any duties, obligations, rights and remedies otherwise imposed or available by law.

Policies and procedures for procurement of professional services are established in Federal Regulation Title 49 CFR Part 18, Uniform Administrative Requirements for Grants and Cooperative Agreements. The Airport and Airway Improvement Act (AAIA) of 1982, as amended, serves as the enabling legislation. The parties agree that these policies and procedures have been followed.

IN WITNESS WHEREOF, the parties hereto have affixed their hand and seals at

Lake in the Hills, Illinois, this September 7, 2021.
(city) (date) (year)

ATTEST:

(SEAL)

Village of Lake in the Hills

(Sponsor Name)

36-6009195

(Federal Employee's Identification Number)

BY _____

Printed Name & Title

BY _____

Printed Name & Title

ATTEST:

(SEAL)



CRAWFORD, MURPHY & TILLY, INC.

(Consultant Name)

37-0844662

(Federal Employee's Identification Number)

BY

Douglas J. Klonowski, PE

Douglas J. Klonowski, PE Vice President
Printed Name & Title

BY

Brian R. Welker, P.E.

Brian R. Welker, PE, Sr. Vice President & COO
Printed Name & Title

LIST OF ATTACHMENTS

<u>ATTACHMENT A / A1</u>	PRELIMINARY ASSESSMENT AND SCHEMATIC DESIGN PHASE SERVICES <u>ESTIMATE OF COSTS / SALARY EXPENSES</u>
<u>ATTACHMENT B / B1</u>	DESIGN PHASE SERVICES <u>ESTIMATE OF COSTS / SALARY EXPENSES</u>
<u>ATTACHMENT C / C1</u>	CONSTRUCTION PHASE SERVICES <u>ESTIMATE OF COSTS / SALARY EXPENSES</u>
<u>ATTACHMENT D / D1</u>	PLANNING AND SPECIAL SERVICES <u>ESTIMATE OF COSTS / SALARY EXPENSES</u>
<u>ATTACHMENT E</u>	ENGINEERING REPORT (General Guidance)
<u>ATTACHMENT F</u>	RESIDENT ENGINEER'S DIARY (Standard Format)
<u>ATTACHMENT G</u>	COST PLUS FIXED PAYMENT INVOICE (Standard Format)
<u>ATTACHMENT H</u>	LUMP SUM INVOICE (Standard Format)
<u>ATTACHMENT I</u>	EFFORT DETAIL BREAKDOWN (Standard Format)
<u>ATTACHMENT J</u>	TESTING SCHEDULE
<u>ATTACHMENT K</u>	TESTING RATES & COST SUMMARY
<u>ATTACHMENT L</u>	SUMMARY OF PAYROLL BURDEN AND FRINGE COSTS
<u>ATTACHMENT M</u>	SUMMARY OF OVERHEAD AND INDIRECT COSTS
<u>ATTACHMENT N</u>	PROJECT CERTIFICATION
<u>ATTACHMENT O</u>	DBE FINAL DOCUMENTATION
<u>ATTACHMENT P</u>	PROJECT SKETCH
<u>ATTACHMENT Q</u>	PROJECT LETTING SCHEDULE
<u>ATTACHMENT R</u>	OP&P PROGRAM LETTER
<u>ATTACHMENT S</u>	CURRENT IDOT PROVISIONAL PAYROLL BURDEN / FRINGE EXPENSE AND GENERAL / ADMINISTRATIVE EXPENSE RATE LETTER
<u>ATTACHMENT T</u>	CONSULTANT'S PRELIMINARY ESTIMATE OF PROBABLE CONSTRUCTION COSTS
<u>ATTACHMENT U</u>	RETAINER AGREEMENT

ATTACHMENT A

PRELIMINARY ASSESSMENT AND SCHEMATIC DESIGN PHASE SERVICES

ESTIMATE OF COSTS

<u>Category</u>	<u>Amount (\$)</u>
1. <u>Direct Salary Costs</u>	_____ (ATTACHMENT A-1)
2. <u>Labor and General and Administrative Overhead</u> ¹	_____
3. <u>Direct Nonsalary Expenses</u>	
Lodging ^{2,3}	_____
Meals/Per Diem ^{2,3}	_____
Transportation ²	_____
Materials & Supplies	_____
Printing	_____
CADD time ⁴	_____
Other Costs (excluding outside services)	_____
4. <u>Fixed Payment</u> ⁵	_____
5. <u>Outside Services</u>	_____
Lump Sum	
Total Amount Not to Exceed	\$ _____

Estimated cost of total professional design phase services from TIP: \$ _____

NOTES:

- 1/ A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.
- 2/ Current approved rates established by State of Illinois - Governors Travel Control Board.
- 3/ Shall not be used in calculation of fixed payment amount.
- 4/ Maximum CADD rate shall be \$15.00/hour.
- 5/ Fixed Payment (Profit) = (14.5%) x [Direct Salary Costs + (OH&B) x (Direct Salary Costs) + Transportation + Materials & Supplies + Printing + CADD time + Other Costs (excluding outside services)].

ATTACHMENT A-1

PRELIMINARY ASSESSMENT AND SCHEMATIC DESIGN PHASE SERVICES

ESTIMATE OF SALARY EXPENSES

Classification*	Hours	\$Rate/Hour	Cost (\$)
Principal	_____	_____	_____
Vice Principal	_____	_____	_____
Project Manager	_____	_____	_____
Senior Project Engineer	_____	_____	_____
Senior Project Architect	_____	_____	_____
Project Engineer	_____	_____	_____
Project Architect	_____	_____	_____
Senior Engineer	_____	_____	_____
Senior Architect	_____	_____	_____
Engineer	_____	_____	_____
Planner	_____	_____	_____
Registered Land Surveyor	_____	_____	_____
Land Surveyor	_____	_____	_____
Senior Engineering Technician	_____	_____	_____
Engineering Technician	_____	_____	_____
Engineering Assistant	_____	_____	_____
CADD/Draftsman/Technician	_____	_____	_____
Clerical	_____	_____	_____
Total	_____	_____	_____
	(hours)	(average)	\$ (total direct salary costs) (ATTACHMENT A)

*Classifications may be adjusted as per Consultant's work force.

ATTACHMENT B

DESIGN PHASE SERVICES

Lake in the Hills Airport

Rehabilitate and Reprofile Runway 8/26

Attachment B

Preliminary Design and Design Phase

ESTIMATE OF COSTS

<u>CATEGORY</u>		<u>AMOUNT</u>
1 <u>Direct Salary Costs</u>		\$36,903.63
2 <u>Labor and General and Administrative Overhead</u> ¹	52.90%	\$19,522.02
3 <u>Direct Nonsalary Expenses</u>	115.95%	\$42,789.76
Lodging ^{2,3}		\$ -
Meals/Per Diem ^{2,3}		\$ -
Transportation ²		\$ 562.00
Materials & Supplies		\$ -
Printing		\$ 377.20
CADD time ⁴		\$ -
Other Costs (Excluding outside Services)		\$ 110.80
4 <u>Fixed Payment</u> ⁵		\$14,540.00
5 <u>Outside Services/Subconsultants</u>		\$10,607.50
Geotechnical Investigation	\$10,607.50	
	Cost Plus Fixed Payment	\$125,412.91
	Total Amount Not to Exceed	
Or	Use =	\$125,400.00

Estimated Construction Cost: \$ 2,153,000.00 (ATTACHMENT T)

Attach a sketch labeled ATTACHMENT P in sufficient detail to clearly delineate the proposed areas of work.

NOTES:

- 1/ A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.
- 2/ Current approved rates established by State of Illinois - Governors Travel Control Board.
- 3/ Shall not be used in calculation of fixed payment amount.
- 4/ Maximum CADD rate shall be \$15.00/hour.
- 5/ Fixed Payment (Profit) = (14.5%) x [Direct Salary Costs + (OH&B) x (Direct Salary Costs) + Transportation + Materials & Supplies + Printing + CADD time + Other Costs (excluding outside services)].

ATTACHMENT B-1

DESIGN PHASE SERVICES

ESTIMATE OF SALARY EXPENSES

<u>CLASSIFICATION</u>	<u>TIME REQUIRED</u> <u>(HOURS)</u>	<u>HOURLY</u> <u>WAGE</u>	<u>SALARY</u> <u>EXPENSE</u>
PRINCIPAL	0	\$78.00	\$0.00
PROJECT ENGINEER II	135	\$66.95	\$9,038.25
PROJECT ARCHITECT II	0	\$55.15	\$0.00
PROJECT MANAGER II	0	\$59.40	\$0.00
PROJECT ENVIRONMENTAL SCIENTIST II	0	\$63.87	\$0.00
PROJECT STRUCTURAL ENGINEER II	0	\$76.47	\$0.00
PROJECT ENGINEER I	186	\$52.01	\$9,673.86
PROJECT MANAGER I	0	\$52.39	\$0.00
PROJECT ENVIRONMENTAL SCIENTIST I	0	\$54.67	\$0.00
PROJECT STRUCTURAL ENGINEER I	0	\$51.66	\$0.00
SENIOR ENGINEER I	112	\$38.62	\$4,325.44
SENIOR ARCHITECT I	0	\$44.96	\$0.00
TECHNICAL MANAGER II	0	\$47.46	\$0.00
SENIOR PLANNER I	0	\$40.83	\$0.00
GIS SPECIALIST	0	\$36.87	\$0.00
ENVIRONMENTAL SCIENTIST III	0	\$40.93	\$0.00
SENIOR STRUCTURAL ENGINEER II	0	\$50.87	\$0.00
SENIOR STRUCTURAL ENGINEER I	0	\$39.17	\$0.00
ENGINEER I	169	\$30.57	\$5,166.33
ARCHITECT I	0	\$27.87	\$0.00
ENVIRONMENTAL SCIENTIST II	0	\$33.78	\$0.00
STRUCTURAL ENGINEER I	0	\$30.22	\$0.00
PLANNER I	0	\$28.97	\$0.00
ENVIRONMENTAL SCIENTIST I	0	\$24.90	\$0.00
TECHNICAL MANAGER I	0	\$29.91	\$0.00
LAND SURVEYOR	60	\$42.88	\$2,572.80
SENIOR TECHNICIAN II	28	\$47.48	\$1,329.44
SENIOR TECHNICIAN I	129	\$37.19	\$4,797.51
TECHNICIAN II	0	\$31.13	\$0.00
TECHNICIAN I	0	\$26.27	\$0.00
PROJECT ADMINISTRATIVE ASSISTANT	0	\$25.58	\$0.00
ADMINISTRATIVE/ACCOUNTING ASSISTANT	0	\$20.40	\$0.00
		AVERAGE	
TOTAL	819	\$45.06	\$36,903.63

*Classifications may be adjusted as per Consultant's work force.

ATTACHMENT B-2

Lake in the Hills Airport

Rehabilitate and Reprofile Runway 8/26

Attachment B-2

Preliminary Design and Design Phase
Estimated Cost Breakdown Items 4, 5, 6 & 7

Item

4 MATERIALS AND SUPPLIES

Surveying Supplies (paint, lathe, stakes, etc)				\$	-
Drafting Media				\$	-
Misc. Equipment and Direct Project Supplies				\$	-
			Sub-Total		\$ -

5 TRAVEL

Travel Reimbursement	950	miles@	\$ 0.560	\$ 532.00	
Vehicle Days		days@	\$ 65.00	\$ -	
Other Subsistence & Tolls				\$ 30.00	
			Sub-Total		\$ 562.00
Lodging (Not in Fixed Fee comp.)	0	days @	\$ 100.00	\$ -	\$ -

6 PRINTING

Full Size Prints	123	sheets@	\$ 2.40	\$ 295.20	
Photo-copies	410	sheets@	\$ 0.20	\$ 82.00	
			Sub-Total		\$ 377.20

7 OTHER COSTS (EXCLUDING OUTSIDE SERVICES)

Photos/Developing				\$	-
Direct Project Shipping Expense				\$	110.80
Unassigned Misc Project Direct Expense		Misc.		\$	-
			Sub-Total		\$ 110.80

\$ 1,050.00

ATTACHMENT B-3
(Sheet 1 of 3)

Lake in the Hills Airport

Rehabilitate and Reprofile Runway 8/26

Attachment B-3
Cost Estimate of Consultant Services (By Task)

Phase #	Element of Work	Hours	Ave Hourly Rate	Total Direct Labor	% of Total Labor	Principal	Project Engineer II	Project Manager II	Project Engineer I	Project Manager I	Senior Engineer I	Engineer I	Land Surveyor	Senior Technician II	Senior Technician I	Project Administrative Assistant
Design Phase (Per Section I.B. of Agreement)																
1000	Preliminary Assessment and Schematic Design	341	\$42.64	\$14,539.99	39.40%	0	42	0	19	0	66	60	60	28	66	0
1100	Preliminary Work Items	36	\$44.62	\$1,606.36	4.35%	0	10	0	0	0	16	8	0	0	2	0
1110	1110 Scope Refinement and Project Definition	6	\$57.51	\$345.04	0.93%	0	4	0	0	0	2	0	0	0	0	0
	1120 Site Visit/Review by Design Team	12	\$34.60	\$415.14	1.12%	0	0	0	0	0	6	6	0	0	0	0
	1130 Pre-Design Meeting and Preparation	14	\$50.56	\$707.80	1.92%	0	6	0	0	0	6	0	0	0	2	0
	1140 Review Record Drawings and Available Data	4	\$34.60	\$138.38	0.37%	0	0	0	0	0	2	2	0	0	0	0
1200	Surveys/Field Investigations/Verify Existing Cond.	124	\$39.94	\$4,952.96	13.42%	0	0	0	0	0	0	0	60	0	64	0
	1210 Topo/Cross-Section Survey Field Work	120	\$40.04	\$4,804.20	13.02%	0	0	0	0	0	0	0	60	0	60	0
	1220 Office Download of Field Data/Reduce Surveys & Prepare Models	4	\$37.19	\$148.76	0.40%	0	0	0	0	0	0	0	0	0	4	0
1300	Prel. Plan Concept Develop (35% Design Report)	173	\$44.29	\$7,662.19	20.76%	0	31	0	18	0	48	48	0	28	0	0
	1310 General Scope Refinement Development/Overall Limits	44	\$48.46	\$2,132.02	5.78%	0	10	0	12	0	8	8	0	6	0	0
	1311 Pavement History Research and Review	4	\$30.57	\$122.28	0.33%	0	0	0	0	0	0	4	0	0	0	0
	1312 Sequence of Construction Concepts/Layouts	12	\$54.00	\$648.04	1.76%	0	4	0	4	0	2	0	0	2	0	0
	1313 Existing Conditions Validation/Review	26	\$41.05	\$1,067.26	2.89%	0	2	0	0	0	8	8	0	8	0	0
	1314 Preliminary Typical Sections/Rehab Details	4	\$34.60	\$138.38	0.37%	0	0	0	0	0	2	2	0	0	0	0
	1315 Prelim. Geometric Plan	16	\$42.68	\$682.94	1.85%	0	4	0	0	0	6	6	0	0	0	0
	1316 Prelim. Pavement Design and Matl. Selection Detail/Justifications	9	\$38.19	\$343.71	0.93%	0	1	0	0	0	4	4	0	0	0	0
	1317 Prelim. Profile, Grading Plans and Concept	28	\$44.29	\$1,240.10	3.36%	0	6	0	0	0	8	8	0	6	0	0
	1318 Prelim. Drainage Concept, Impacts and Features and Prelim. Pipe Sizing and Route Plans	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	1319 Prelim. Lighting/Electrical Design Concept/Scope.	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	1320 Miscellaneous Design Features: Fencing, Turfing and Marking Design & Layout	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	1321 Utility Impacts, Delineations and Relocations Design Considerations.	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	1322 Review and Evaluations of FAA Mods to Standards and Special Considerations	2	\$66.95	\$133.90	0.36%	0	2	0	0	0	0	0	0	0	0	0
	1323 Review/Discuss Local Code Conditions/Requirements and Impacts to the Project	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	1324 Exhibits Preparation & Development in Support of Preliminary Design Report	20	\$40.20	\$804.04	2.18%	0	0	0	2	0	6	6	0	6	0	0
	1325 Agency Coordination/Soils Investigation & Coord. & Discussion of Soils Impact on Design and Construction	8	\$43.69	\$349.52	0.95%	0	2	0	0	0	4	2	0	0	0	0
1400	Preliminary Identification & List of Expected Specifications	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
1500	Prel. Opinion of Probable Cost, Quantity Evaluations, Computations and Funding Review; Preliminary Estimate of Time	8	\$39.81	\$318.48	0.86%	0	1	0	1	0	2	4	0	0	0	0

ATTACHMENT B-3
(Sheet 2 of 3)

Lake in the Hills Airport

Rehabilitate and Reprofile Runway 8/26

Attachment B-3
Cost Estimate of Consultant Services (By Task)

Phase #	Element of Work	Hours	Ave Hourly Rate	Total Direct Labor	% of Total Labor	Principal	Project Engineer II	Project Manager II	Project Engineer I	Project Manager I	Senior Engineer I	Engineer I	Land Surveyor	Senior Technician II	Senior Technician I	Project Administrative Assistant
Design Phase (Per Section I.B. of Agreement)																
2000	Plan and Document Development - Detailed Design (35% to 80% Level)	360	\$45.83	\$16,500.24	44.71%	0	52	-	146	-	16	94	-	-	52	-
2100	Review and Resolve Prelim Design Issues From Design Report Stage	8	\$52.79	\$422.28	1.14%	0	4	0	0	0	4	0	0	0	0	0
	2110 Review 35% Design Report with Owner/IDA/FAA - conference call if needed	4	\$52.79	\$211.14	0.57%	0	2	0	0	0	2	0	0	0	0	0
	2120 Resolve Outstanding Issues from 35% Report Review	4	\$52.79	\$211.14	0.57%	0	2	0	0	0	2	0	0	0	0	0
2200	Plan Set/Drawing Development	312	\$45.45	\$14,180.36	38.43%	0	38	0	136	0	0	86	0	0	52	0
	2210 Cover/Summary of Quantities/General Items	12	\$42.39	\$508.72	1.38%	0	0	0	6	0	0	4	0	0	2	0
	2211 Sequence of Construction/Phasing Plan	18	\$48.92	\$880.54	2.39%	0	4	0	8	0	0	4	0	0	2	0
	2212 Existing Conditions/Prop Removal/Pavement Rehab. Details/SWPPP	46	\$43.92	\$2,020.26	5.47%	0	4	0	20	0	0	16	0	0	6	0
	2213 Utility Plan and Relocation Plan (As necessary)	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	2214 Proposed Improvement Plan and Geometry Plan	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	2215 Typical Sections/Cross Section Develop.	30	\$47.74	\$1,432.14	3.88%	0	4	0	16	0	0	6	0	0	4	0
	2216 Pavement Design/Geometry/Paved Shldr. Mods	10	\$46.42	\$464.22	1.26%	0	2	0	4	0	0	4	0	0	0	0
	2217 Plan and Profile Plan Sheets	66	\$43.73	\$2,886.02	7.82%	0	6	0	26	0	0	20	0	0	14	0
	2218 Drainage and Edge Drain Design	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	2219 Underdrain Plan and Details	14	\$43.78	\$612.98	1.66%	0	2	0	4	0	0	4	0	0	4	0
	2220 Grading and Intersection Staking Plan	38	\$47.17	\$1,792.34	4.86%	0	6	0	18	0	0	10	0	0	4	0
	2221 PCC Jointing Plan and Details/Transition Details	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	2222 Edge Lighting/Apron Lighting Design/Electrical Design/Vault Improvements	22	\$50.08	\$1,101.82	2.99%	0	4	0	12	0	0	2	0	0	4	0
	2223 Earthwork Distribution and Cross Sections	38	\$44.82	\$1,703.18	4.62%	0	4	0	16	0	0	10	0	0	8	0
	2224 Restoration and Landscaping Plan	12	\$44.88	\$538.60	1.46%	0	2	0	4	0	0	4	0	0	2	0
	2225 Misc Design Elements (e.g. Marking, Fencing, etc.)	6	\$39.92	\$239.54	0.65%	0	0	0	2	0	0	2	0	0	2	0
2300	Development of Technical Specifications	16	\$56.13	\$898.12	2.43%	0	8	0	4	0	4	0	0	0	0	0
2400	Quantity Computations, Development of Opinion of Prob. Cost and Estimate of Contract Time	24	\$41.65	\$999.48	2.71%	0	2	0	6	0	8	8	0	0	0	0
	2410 Quantity Computations	10	\$38.08	\$380.78	1.03%	0	0	0	2	0	4	4	0	0	0	0
	2420 Cost Estimate Preparation and Development	7	\$44.19	\$309.35	0.84%	0	1	0	2	0	2	2	0	0	0	0
	2430 Estimate of Time Preparation and Development	4	\$47.04	\$188.15	0.51%	0	1	0	1	0	1	1	0	0	0	0
	2440 Prepare DBE Goals and Estimate	3	\$40.40	\$121.20	0.33%	0	0	0	1	0	1	1	0	0	0	0

ATTACHMENT B-3

(Sheet 3 of 3)

Lake in the Hills Airport

Rehabilitate and Reprofile Runway 8/26

Attachment B-3

Cost Estimate of Consultant Services (By Task)

Phase #	Element of Work	Hours	Ave Hourly Rate	Total Direct Labor	% of Total Labor	Principal	Project Engineer II	Project Manager II	Project Engineer I	Project Manager I	Senior Engineer I	Engineer I	Land Surveyor	Senior Technician II	Senior Technician I	Project Administrative Assistant
Design Phase (Per Section I.B. of Agreement)																
3000	Plan and Document Development - Final Design (80% - 100%)	74	\$43.58	\$3,225.14	8.74%	0	14	0	8	0	26	15	0	0	11	0
3100	Review and Resolve Prelim Design Issues From	6	\$52.53	\$315.16	0.85%	0	2	0	2	0	2	0	0	0	0	0
	3110 Review of 80% Design Documents with IDA/FAA	3	\$52.53	\$157.58	0.43%	0	1	0	1	0	1	0	0	0	0	0
	3120 Comment Resolution From Agency 80% Review	3	\$52.53	\$157.58	0.43%	0	1	0	1	0	1	0	0	0	0	0
3200	Development of Final Issued for Bid Set of Plans	56	\$42.46	\$2,377.65	6.44%	0	9	0	6	0	17	13	0	0	11	0
	3210 Cover/Summary of Quantities/General Items	5	\$43.71	\$218.57	0.59%	0	1	0	0	0	2	0	0	0	2	0
	3211 Sequence of Construction/Phasing Plan	7	\$50.34	\$352.35	0.95%	0	2	0	2	0	2	0	0	0	1	0
	3212 Existing Conditions/Prop Removal/Pavement Rehab. Details/SWPPP	4	\$48.69	\$194.77	0.53%	0	1	0	1	0	1	0	0	0	1	0
	3213 Utility Plan and Relocation Plan (As necessary)	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	3214 Proposed Improvement Plan and Geometry Plan	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	3215 Typical Sections/Cross Section Develop.	3	\$52.05	\$156.15	0.42%	0	1	0	1	0	0	0	0	0	1	0
	3216 Pavement Design/Geometry/Paved Shldr. Mods	5	\$35.11	\$175.57	0.48%	0	0	0	0	0	2	2	0	0	1	0
	3217 Plan and Profile Plan Sheets	11	\$39.36	\$432.91	1.17%	0	1	0	1	0	4	4	0	0	1	0
	3218 Drainage and Edge Drain Design	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	3219 Underdrain Plan and Details	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	3220 Grading and Intersection Staking Plan	3	\$47.59	\$142.76	0.39%	0	1	0	0	0	1	0	0	0	1	0
	3221 PCC Jointing Plan and Details/Transition Details	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	3222 Edge Lighting/Apron Lighting Design/Electrical Design/Vault Improvements	3	\$52.05	\$156.15	0.42%	0	1	0	1	0	0	0	0	0	1	0
	3223 Earthwork Distribution and Cross Sections	11	\$36.80	\$404.85	1.10%	0	1	0	0	0	4	6	0	0	0	0
	3224 Restoration and Landscaping Plan	2	\$33.88	\$67.76	0.18%	0	0	0	0	0	0	1	0	0	1	0
	3225 Misc Design Elements (e.g. Marking, Fencing, etc.)	2	\$37.91	\$75.81	0.21%	0	0	0	0	0	1	0	0	0	1	0
3300	Revisions to Technical Specifications based on Comment Resolution - Prepare IFB Specs	4	\$52.79	\$211.14	0.57%	0	2	0	0	0	2	0	0	0	0	0
3400	Revisions to Quantity Computations, Final Rev. of Opinion of Prob. Cost and Estimate of Contract	8	\$40.15	\$321.19	0.87%	0	1	0	0	0	5	2	0	0	0	0
	3410 Quantity Computations	5	\$41.07	\$205.33	0.56%	0	1	0	0	0	2	2	0	0	0	0
	3420 Cost Estimate Preparation and Development	1	\$38.62	\$38.62	0.10%	0	0	0	0	0	1	0	0	0	0	0
	3430 Estimate of Time Preparation and Development	1	\$38.62	\$38.62	0.10%	0	0	0	0	0	1	0	0	0	0	0
	3440 Prepare DBE Goals and Estimate	1	\$38.62	\$38.62	0.10%	0	0	0	0	0	1	0	0	0	0	0
4000	General Overall Project Related Tasks	44	\$59.96	\$2,638.26	7.15%	0	27	0	13	0	4	0	0	0	0	0
4100	Quality Control and Constructability Reviews	10	\$62.47	\$624.68	1.69%	0	7	0	3	0	0	0	0	0	0	0
	4110 Prepare QC Plan	2	\$59.48	\$118.96	0.32%	0	1	0	1	0	0	0	0	0	0	0
	4120 Complete QAP Reviews and Follow-up	6	\$61.97	\$371.82	1.01%	0	4	0	2	0	0	0	0	0	0	0
	4130 Complete Constructability Reviews (at 80% and 100%)	2	\$66.95	\$133.90	0.36%	0	2	0	0	0	0	0	0	0	0	0
4200	Project Management and Meetings	30	\$59.19	\$1,775.66	4.81%	0	18	0	8	0	4	0	0	0	0	0
	4210 Project Review and Coordination Meetings with the Owner, IDA and FAA (Est. (2) of Mtgs @ X 1 Hours/Ea.) (Identify: Prelim. Design, Design Mtgs at 80% & 100%) - via conf. call if needed	6	\$61.97	\$371.82	1.01%	0	4	0	2	0	0	0	0	0	0	0
	4220 Project Coordination Meetings with Agencies including Permitting Authorities and Subconsultants (Est. 2 of Mtgs @ 1 Hours/Ea.)	4	\$66.95	\$267.80	0.73%	0	4	0	0	0	0	0	0	0	0	0
	4230 Internal Project Design Meetings and Coordination (Est. 4 of Mtgs @ 1 Hours/Ea.)	12	\$52.53	\$630.32	1.71%	0	4	0	4	0	4	0	0	0	0	0
	4240 Project Management and Coord. of Design Team and Subconsultants	8	\$63.22	\$505.72	1.37%	0	6	0	2	0	0	0	0	0	0	0
4300	Post Design Phase - Pre-Bid and Bidding	2	\$59.48	\$118.96	0.32%	0	1	0	1	0	0	0	0	0	0	0
	4310 Pre-bid meeting, Preparation & Attendance	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0
	4320 Miscellaneous bidding Phase; addenda; respond to questions during bidding; analysis of bids; etc.	2	\$59.48	\$118.96	0.32%	0	1	0	1	0	0	0	0	0	0	0
4400	Project Design Closeout and Archive	2	\$59.48	\$118.96	0.32%	0	1	0	1	0	0	0	0	0	0	0
Totals		819	\$45.06	\$36,903.63	100.00%	0	135	-	186	-	112	169	60	28	129	-

ATTACHMENT C

CONSTRUCTION PHASE SERVICES

ESTIMATE OF COSTS

<u>Category</u>	<u>Amount (\$)</u>
1. <u>Direct Salary Costs</u>	_____ (ATTACHMENT C-1)
2. <u>Labor and General and Administrative Overhead</u> ¹	_____
3. <u>Direct Nonsalary Expenses</u>	
Lodging ^{2,3}	_____
Meals/Per Diem ^{2,3}	_____
Transportation ²	_____
Materials & Supplies	_____
Printing	_____
CADD time ⁴	_____
Other Costs (excluding outside services)	_____
4. <u>Fixed Payment</u> ⁵	_____
5. <u>Outside Services</u>	_____
Cost Plus Fixed Payment	
Total Amount Not to Exceed	\$ _____
OR	
Lump Sum	
Total Amount Not to Exceed	\$ _____

NOTES:

- 1/ A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.
- 2/ Current approved rates established by State of Illinois - Governors Travel Control Board.
- 3/ Shall not be used in calculation of fixed payment amount.
- 4/ Maximum CADD rate shall be \$15.00/hour.
- 5/ Fixed Payment (Profit) = (14.5%) x [Direct Salary Costs + (OH&B) x (Direct Salary Costs) + Transportation + Materials & Supplies + Printing + CADD time + Other Costs (excluding outside services)].

ATTACHMENT C-1

CONSTRUCTION PHASE SERVICES

ESTIMATE OF SALARY EXPENSES

<u>Classification*</u>	<u>Hours</u>	<u>\$Rate/Hour</u>	<u>Cost (\$)</u>
Principal	_____	_____	_____
Vice Principal	_____	_____	_____
Project Manager	_____	_____	_____
Senior Project Engineer	_____	_____	_____
Senior Project Architect	_____	_____	_____
Project Engineer	_____	_____	_____
Project Architect	_____	_____	_____
Senior Engineer	_____	_____	_____
Senior Architect	_____	_____	_____
Engineer	_____	_____	_____
Planner	_____	_____	_____
Registered Land Surveyor	_____	_____	_____
Land Surveyor	_____	_____	_____
Senior Engineering Technician	_____	_____	_____
Engineering Technician	_____	_____	_____
Engineering Assistant	_____	_____	_____
CADD/Draftsman/Technician	_____	_____	_____
Clerical	_____	_____	_____
Total	_____	_____	_____
	(hours)	(average)	\$ (total direct salary costs) (ATTACHMENT D)

*Classifications may be adjusted as per Consultant's work force.

ATTACHMENT D

PLANNING AND SPECIAL SERVICES

Lake in the Hills Airport

Rehabilitate and Reprofile Runway 8/26

Attachment D

Planning and Special Services - Bidding Service for Local Let Projects

ESTIMATE OF COSTS

<u>CATEGORY</u>		<u>AMOUNT</u>
1 <u>Direct Salary Costs</u>		\$5,312.40
2 <u>Labor and General and Administrative Overhead</u> ¹	52.90%	\$2,810.26
3 <u>Direct Nonsalary Expenses</u>	115.95%	\$6,159.73
Lodging ^{2,3}		\$ -
Meals/Per Diem ^{2,3}		\$ -
Transportation ²		\$ -
Materials & Supplies		\$ -
Printing		\$ -
CADD time ⁴		\$ -
Other Costs (Excluding outside Services)		\$ -
4 <u>Fixed Payment</u> ⁵		\$2,100.00
5 <u>Outside Services/Subconsultants</u>		\$15,623.00
Quantum Spatial	\$15,623.00	
	Cost Plus Fixed Payment	
	Total Amount Not to Exceed	\$32,005.39
Or	Use =	\$32,000.00

NOTES:

- 1/ A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.
- 2/ Current approved rates established by State of Illinois - Governors Travel Control Board.
- 3/ Shall not be used in calculation of fixed payment amount.
- 4/ Maximum CADD rate shall be \$15.00/hour.
- 5/ Fixed Payment (Profit) = (14.5%)x[Direct Salary Costs + (OH&B)x(Direct Salary Costs) + Transportation + Materials & Supplies + Printing + CADD time + Other Costs (excluding outside services)].

ATTACHMENT D-1

PLANNING AND SPECIAL SERVICES

ESTIMATE OF SALARY EXPENSES

<u>CLASSIFICATION</u>	<u>TIME REQUIRED</u> <u>(HOURS)</u>	<u>HOURLY</u> <u>WAGE</u>	<u>SALARY</u> <u>EXPENSE</u>
PRINCIPAL	0	\$78.00	\$0.00
PROJECT ENGINEER II	6	\$66.95	\$401.70
PROJECT ARCHITECT II	0	\$55.15	\$0.00
PROJECT MANAGER II	0	\$59.40	\$0.00
PROJECT ENVIRONMENTAL SCIENTIST II	0	\$63.87	\$0.00
PROJECT STRUCTURAL ENGINEER II	0	\$76.47	\$0.00
PROJECT ENGINEER I	47	\$52.01	\$2,444.47
PROJECT MANAGER I	0	\$52.39	\$0.00
PROJECT ENVIRONMENTAL SCIENTIST I	4	\$54.67	\$218.68
PROJECT STRUCTURAL ENGINEER I	0	\$51.66	\$0.00
SENIOR ENGINEER I	0	\$38.62	\$0.00
SENIOR ARCHITECT I	0	\$44.96	\$0.00
TECHNICAL MANAGER II	0	\$47.46	\$0.00
SENIOR PLANNER I	8	\$40.83	\$326.64
GIS SPECIALIST	37	\$36.87	\$1,364.19
ENVIRONMENTAL SCIENTIST III	0	\$40.93	\$0.00
SENIOR STRUCTURAL ENGINEER II	0	\$50.87	\$0.00
SENIOR STRUCTURAL ENGINEER I	0	\$39.17	\$0.00
ENGINEER I	4	\$30.57	\$122.28
ARCHITECT I	0	\$27.87	\$0.00
ENVIRONMENTAL SCIENTIST II	6	\$33.78	\$202.68
STRUCTURAL ENGINEER I	0	\$30.22	\$0.00
PLANNER I	8	\$28.97	\$231.76
ENVIRONMENTAL SCIENTIST I	0	\$24.90	\$0.00
TECHNICAL MANAGER I	0	\$29.91	\$0.00
LAND SURVEYOR	0	\$42.88	\$0.00
SENIOR TECHNICIAN II	0	\$47.48	\$0.00
SENIOR TECHNICIAN I	0	\$37.19	\$0.00
TECHNICIAN II	0	\$31.13	\$0.00
TECHNICIAN I	0	\$26.27	\$0.00
PROJECT ADMINISTRATIVE ASSISTANT	0	\$25.58	\$0.00
ADMINISTRATIVE/ACCOUNTING ASSISTANT	0	\$20.40	\$0.00

AVERAGE

TOTAL	120	\$44.27	\$5,312.40
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*Classifications may be adjusted as per Consultant's work force.

IDOT Division of Aeronautics
Standard A/E Agreement 2012-01

September 7, 2021
LITH – Rehabilitate and Reprofile Runway 8/26

ATTACHMENT D-2

PLANNING AND SPECIAL SERVICES

Lake in the Hills Airport

Rehabilitate and Reprofile Runway 8/26

Attachment D-2

Planning and Special Services Phase
Estimated Cost Breakdown Items 4, 5, 6 & 7

Item

4 MATERIALS AND SUPPLIES

Surveying Supplies (paint, lathe, stakes, etc)			\$	-	
Drafting Media			\$	-	
Misc. Equipment and Direct Project Supplies			\$	-	
		Sub-Total		\$	-

5 TRAVEL

Travel Reimbursement	0 miles@	\$ 0.560	\$	-	
Vehicle Days	0 days@	\$ 65.00	\$	-	
Other Subsistence & Tolls			\$	-	
		Sub-Total		\$	-

6 PRINTING

Full Size Prints	sheets@	\$ 2.40	\$	-	
Photo-copies	sheets@	\$ 0.20	\$	-	
		Sub-Total		\$	-

7 OTHER COSTS (EXCLUDING OUTSIDE SERVICES)

Photos/Developing			\$	-	
Direct Project Shipping Expense			\$	-	
Unassigned Misc Project Direct Expense			\$	-	
		Sub-Total		\$	-
				\$	-

ATTACHMENT D-3

PLANNING AND SPECIAL SERVICES

Lake in the Hills Airport

Rehabilitate and Reprofile Runway 8/26

**Attachment D-3 - Planning and Special Services Phase Engineering
Cost Estimate of Consultant Services (By Task)**

Element of Work	Hours	Ave Hourly Rate	Total Direct Labor	% of Total Labor	Principal	Project Engineer II	Project Environmental Scientist II	Project Engineer I	Project Environmental Scientist I	Senior Engineer I	Senior Planner I	GIS Specialist	Engineer I	Environmental Scientist II	Planner I	Senior Technician II	Project Administrative Assistant
Planning and Special Services Phase																	
8030 Project Formulation	8	\$46.33	\$370.66	6.98%	0	0	0	5	0	0	0	3	0	0	0	0	0
8031 Project Scope Preparation	3	\$46.96	\$140.89	2.65%	0	0	0	2	0	0	0	1	0	0	0	0	0
8032 Quality Assurance Plan	1	\$52.01	\$52.01	0.98%	0	0	0	1	0	0	0	0	0	0	0	0	0
8033 Project Kickoff Conference Call	4	\$44.44	\$177.76	3.35%	0	0	0	2	0	0	0	2	0	0	0	0	0
8034 Preliminary Airport GIS Efforts	20	\$44.44	\$888.80	16.73%	0	0	0	10	0	0	0	10	0	0	0	0	0
8035 Project Creation on AGIS Website	8	\$44.44	\$355.52	6.69%	0	0	0	4	0	0	0	4	0	0	0	0	0
8036 Project Statement of Work (SOW)	4	\$44.44	\$177.76	3.35%	0	0	0	2	0	0	0	2	0	0	0	0	0
8037 Project Plans	8	\$44.44	\$355.52	6.69%	0	0	0	4	0	0	0	4	0	0	0	0	0
8038 Field Surveys	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0
8039 Survey Plan	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0
8040 Recovery and Documentation of PACS/SACS	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0
8041 Imagery Surveys	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0
8042 Mapping Field Surveys	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0
8043 Aerial Imagery Collection	8	\$44.44	\$355.52	6.69%	0	0	0	4	0	0	0	4	0	0	0	0	0
8044 Development of GIS Data	48	\$45.70	\$2,193.68	41.29%	0	0	0	28	0	0	0	20	0	0	0	0	0
8045 New GIS Data Development (By Data Set)	10	\$42.93	\$429.26	8.08%	0	0	0	4	0	0	0	6	0	0	0	0	0
8046 Planned Development GIS Data	14	\$45.52	\$637.30	12.00%	0	0	0	8	0	0	0	6	0	0	0	0	0
8047 QA/QC Reviews	4	\$52.01	\$208.04	3.92%	0	0	0	4	0	0	0	0	0	0	0	0	0
8048 Final Project Report and Data Submittal	0	\$0.00	\$919.08	17.30%	0	0	0	12	0	0	0	8	0	0	0	0	0
8050 NEPA Clearance	27	\$35.69	\$963.73	18.14%	0	0	0	0	2	0	8	0	4	6	7	0	0
8051 Section 4(f), Endangered Species, Other Resources, Community Disruption, Environmental Justice, Surface Transportation, Noise, Air Quality, Water Quality, Hazardous Material, Light Emissions)	10	\$33.27	\$332.66	6.26%	0	0	0	0	0	0	2	0	0	4	4	0	0
8052 Exhibits for Environmental Clearance (Wetlands, Flood Maps, etc.)	10	\$32.94	\$329.44	6.20%	0	0	0	0	0	0	2	0	4	2	2	0	0
8053 Complete Environmental Documentation for Submittal	7	\$43.09	\$301.63	5.68%	0	0	0	0	2	0	4	0	0	0	1	0	0
8054 Project Description	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0
8055 ESR Request	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0
8056 Impact Category Checklist	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0
8057 Public Hearing (if requested)	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0
8058 Review and FAA/IDA Coordination	0	\$0.00	\$0.00	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0
8060 Airspace Documents/Exhibits	5	\$54.44	\$272.21	5.12%	0	2	0	0	2	0	0	0	0	0	1	0	0
8090 Project Management	4	\$66.95	\$267.80	5.04%	0	4	0	0	0	0	0	0	0	0	0	0	0
8091 Project Management	2	\$66.95	\$133.90	2.52%	0	2	0	0	0	0	0	0	0	0	0	0	0
8092 FAA Deliverable Review Coordination	2	\$66.95	\$133.90	2.52%	0	2	0	0	0	0	0	0	0	0	0	0	0
Totals	120	\$44.27	\$5,312.40	100.00%	0	6	0	47	4	0	8	37	4	6	8	0	0

ATTACHMENT E

ENGINEERING REPORT (General Guidance)

The Engineering Report is to be prepared by the Consultant and submitted to the Sponsor and/or Department, if possible, prior to starting Plans and Specifications. The Report shall include, at a minimum, a discussion of the following elements which are applicable and any other elements deemed necessary by the Department:

1. Introduction, project overview and consistency with approved ALP, justification, scope, authorization, funding, required environmental actions and schedule.
2. Investigations and evaluations, including pavement history, PCI information, topographic survey data, soil sampling and testing, boring logs, CBR test results, subgrade stabilization considerations, and seasonal frost issues.
3. Pavement design considerations, including pavement types and/or alternates; any unusual design and reasons therefore, selection of design CBR value, traffic distribution, and reported pavement strength.
4. Rehabilitation, strengthening and/or overlay work shall be detailed as to the type of work required, including existing pavement conditions, material selection considerations, thickness design and economic analysis.
5. Construction features which vary from FAA criteria should be identified including the problem(s) facts, alternative solutions, and/ or desired solution. Is the desired solution the most economical?
6. Items such as materials sources, soils, drainage, water for construction, cost of land vs. development, contractor resources, available finances, and stage development. The report should say how these factors affected the decisions made by the Consultant in the design.
7. Explanation of drainage design criteria including explanation of drainage districts data INPUT and off-site drainage impact on design. Include drainage calculations and modeling.
8. Special considerations for local circumstances such as available material, equipment, contractors, and airport sponsored events.
9. Consultant's choice of options for the lighting design; similar explanation of choices made for the drainage, fencing, turfing and marking, including decisions regarding cover crop seeding.
10. Approach conditions which will result from proposed work and comparison with FAA criteria.
11. Analysis of potential RSA determination (if applicable).
12. Development of PCN for runway strengthening and rehabilitation projects.
13. Description of non-AIP work and quantity separation from AIP eligible items.
14. Identify work to be done by others such as utility companies and airports sponsor forces.
15. The Consultant's preliminary estimate of construction costs, fees and expenses shall be included.
16. A discussion of project safety concerns (per guidance explained in FAA AC 150/5370-2F (or current) Operational Safety on Airports during Construction) shall be included.
17. A discussion of project phasing / sequencing and estimate of construction calendar days shall be included.

ATTACHMENT F



**Illinois Department
of Transportation**

Resident Engineer's Diary

Airport: _____ Date: _____

Contractor: _____ IL Project No.: _____ AIP Project _____

Temperature _____ Wind: _____ Weather Conditions: _____

Status: Active Suspended Jobsite Conditions: Workable Non-workable

Controlling Item: _____

Workforce

Consultant (# of people, hours): _____

Contractor (# of people, equipment, hours):

Daily Work

Pay items / General Location:

Instructions to Contractor / Unusual Events:

Verbal Approvals (official & item): _____

Additional Work (change order, etc.): _____

Official Visitors: _____

Materials Deliveries (material, quantity, quality) / Testing (test, location, corrective action):

Other:

Calendar Days: _____ Awarded
_____ Charged
_____ Remaining

DBE Onsite? (yes or no)
Own forces used? (yes or no)
Own equipment used? (yes or no)

Submitted _____ Firm: _____ Date: _____

ATTACHMENT G

COST PLUS FIXED PAYMENT INVOICE (Standard Format)

To: _____, Chief Engineer
Illinois Department of Transportation
Division of Aeronautics
Abraham Lincoln Capital Airport
1 Langhorne Bond Drive
Springfield, IL 62707-8415

From (Firm): _____
Address: _____
Telephone No.: _____
Invoice # _____ Date: _____
[] Partial [] Final

Attn: _____, Section Chief

Airport: _____ Municipality: _____, IL
Illinois Project No. _____ Federal Project No. _____
Notice to Proceed Date (OP&P Program Letter or Sponsor Authorization): _____
Per A/E Agreement/Amendment dated: _____

Services (Check only those services pertaining to invoice):

- | | |
|--|--|
| <input type="checkbox"/> Preliminary Assessment and Schematic Design Phase | <input type="checkbox"/> Planning and Special Services |
| <input type="checkbox"/> Design Phase | <input type="checkbox"/> Other () |
| <input type="checkbox"/> Construction Phase | <input type="checkbox"/> Amendment(s) |

Service Dates: For Services Rendered From (date): _____ To (date): _____

<u>Period</u>	<u>To Date</u>	<u>Billing</u>
(1) Direct Salaries	\$ _____	\$ _____
Include all information per ATTACHMENT I (EFFORT DETAIL BREAKDOWN)		
(2) Labor and General and Administrative Overhead (_____ %)	\$ _____	\$ _____
(3) Direct Non-Salary Expenses (OT Premium).....	\$ _____	\$ _____
Support documentation must accompany all payment requests of direct non-salary expenses.		
(4) Profit – (Fixed Payment \$ _____ x _____ % Complete).....	\$ _____	\$ _____
(5) SUBTOTAL (1) – (4).....	\$ _____	\$ _____
(6) Outside Services.....	\$ _____	\$ _____

TOTAL AMOUNT EARNED TO DATE: (5) + (6) \$ _____

Maximum Payable (per Engineering Agreement) \$ _____

Estimated total cost to complete project (for billings after 50%)..... \$ _____

Less Total Amount(s) Previously Invoiced..... \$ _____

PAYMENT DUE THIS INVOICE..... \$ _____

I certify that to the best of my knowledge, the percent of work shown as complete on this Invoice is correct.

By: _____
Printed Name and Title

Department Approval
By: _____
Printed Name and Title

NOTE: This format is for general information. The Consultant's format containing essential data may be acceptable.

ATTACHMENT H

LUMP SUM INVOICE (Standard Format)

To: _____, Chief Engineer
Illinois Department of Transportation
Division of Aeronautics
Abraham Lincoln Capital Airport
1 Langhorne Bond Drive
Springfield, IL 62707-8415

From (Firm): _____
Address: _____
Telephone No.: _____
Invoice # _____ Date: _____
[] Partial [] Final

Attn: _____, Section Chief

Airport: _____ Municipality: _____, IL
Illinois Project No. _____ Federal Project No. _____
Notice to Proceed Date (OP&P Program Letter or Sponsor Authorization): _____
Per A/E Agreement/Amendment dated: _____

Services (Check only those services pertaining to invoice):

- | | |
|--|--|
| <input type="checkbox"/> Preliminary Assessment and Schematic Design Phase | <input type="checkbox"/> Planning and Special Services |
| <input type="checkbox"/> Design Phase | <input type="checkbox"/> Other () |
| <input type="checkbox"/> Construction Phase | <input type="checkbox"/> Amendment(s) |

Service Dates:

For Services Rendered From (date): _____ To (date): _____

- (1) Lump Sum (LS) Fee (or Maximum Payable per Engineering Agreement) \$ _____
- (2) Percent of Work Complete: _____%
- (3) Fee Earned to Date: (LS \$ _____ x _____% Complete) \$ _____
- (4) Less Total Amount(s) Previously Invoiced \$ _____
- (5) PAYMENT DUE THIS INVOICE \$ _____

I certify that to the best of my knowledge, the percent of work shown as complete on this Invoice is correct.

By: _____
Printed Name and Title

Department Approval

By: _____
Printed Name and Title

NOTE: This format is for general information. The Consultant's format containing essential data may be acceptable.

ATTACHMENT I

EFFORT DETAIL BREAKDOWN (Standard Format)

Page ____ of ____ Pages

Airport: _____
Illinois Project No. _____
Federal Project No. _____

Invoice No. _____
Date: _____

ENGINEERING COSTS BREAKDOWN

Agreement Paragraph Governing Services	Service Performed	Date Performed	Employee's Name and Classification	Hours	Rate	Amount

Total _____

ENGINEERING FIRM

Name _____
Address _____

Prepared By _____
Date _____

NOTE:
This format is for general information; however the consultant's format containing the essential data may be acceptable.

ATTACHMENT J

TESTING SCHEDULE – See *Testing Proposal*

Testing Schedule - anticipated for the Preliminary Assessment and Schematic Design, Design and Construction phases of the project. See subconsultant work scope

Description	Approximate Number
ASTM D 421, Particle Size Analysis	
ASTM D 2217	
ASTM C 422	
ASTM D 698, Moisture-Density Relations of Soil	
ASTM D 1557	
ASTM D 427, Shrinkage Factors of Soil	
ASTM D 2434, Permeability of Granular Soils	
AASHTO T 194, Determination of Organic Materials in Soils by Wet Combustion	
ASTM D 1883, Bearing Ratio of Laboratory Compacted Soil	
AASHTO T 222, Modulus of Soil Reaction	
ASTM D 2487, Soil Classification “Unified System”	
ASTM D 2113, Soil Borings	
ASTM C 207, Hydrated Lime	
ASTM C 131, Abrasion	
ASTM C 88, Soundness	
ASTM D 946, Penetration	
ASTM D 3381, Viscosity	
ASTM D 1559, Marshall Method	
ASTM C 136, Gradation	
ASTM D 2172, Extraction and Gradation	
ASTM D 2726, Bulk Specific Gravity	
ASTM D 2041, Maximum Theoretical Specific Gravity	
ASTM D 2950, Nuclear Density	
ASTM C 117 Washed Aggregate Sample	
ASTM D 4318, Liquid Limit, Plastic Limit, Plasticity Index	
ASTM C 127, Absorption and Specific Gravity	
ASTM C 128	
ASTM C 566, Moisture Content	
ASTM C 31, PCC Test Cylinders	
ASTM C 141, Slump	
ASTM C 231, Air Content	
ASTM C 78, Flexural Strength	
ASTM C 138, Yield, Cement Content	
ASTM D 412, Rubber in Tension	
ASTM D 1664, Striping Test	

The testing form shall be adjusted to the specific project. The consultant shall not assume IDOT will provide any testing and inspections. Payment for these services shall be at the rates established in ATTACHMENT K. - TESTING RATES & COST SUMMARY.

January 15, 2021

Crawford, Murphy & Tilly
2750 West Washington Street
Springfield, IL 62702

Attention: Doug Klonowski, P.E.

Proposal No.21509

Re: Geotechnical Investigation
Lake in the Hills Airport
IL Project: 3CK-4814
AIP Project: TBD
Rehabilitate Runway 8/26 Phase 2
Lake in the Hills, Illinois

Dear Mr. Klonowski:

Geo Services, Inc., (GSI) a certified, Union (Local 150), MBE/DBE Geotechnical/Environmental/Materials Testing/Drilling firm, is pleased to submit this proposal for geotechnical drilling and subsurface investigation for the above referenced project. The proposed project consists a runway rehabilitation and associated improvements. We understand the use of FAA AC 150/5370-6F Airport Pavement Design and Evaluation, is planned for the project.

Based upon the criteria described in your request, we propose the following scope of work for the project:

Geotechnical Scope of Work

1. Client to provide map of boring location including coordinates for the borings/cores and the ground surface elevations.
2. GSI to layout boring, attend joint utility meet and notify JULIE, the Lake in the Hills Airport and the FAA prior to mobilization.
3. Provide one (1) truck drill rig (2-man crew) and one (1) field engineer for one (1) day to perform ten (10) geotechnical borings to a depth of 10 feet and six (6) pavement cores.
4. Geotechnical soil samples will be obtained at 2.5-ft intervals and sampled with a 2.0-in diameter split spoon.
5. Boring will be backfilled with soil cuttings/bentonite after completion of drilling.
6. Perform up to two (2) CBR laboratory tests, one (1) test for each of the primary subgrade soils encountered.
7. Perform up to two (2) Standard Proctors in accordance with ASTM D698 for the representative embankment material.

Along with these borings, standard laboratory tests will be performed and an engineering report will be prepared under the direct supervision of a Registered Professional Engineer. Below is the detailed information that will be included but not limited to in the soil investigation report.

1. Subsurface Conditions

2. Existing subgrade soil suitability for taxiway subgrade and embankment material
3. Grading Recommendations
4. Compaction Requirement
5. Determination of the Critical Subgrade Modulus (E_{RI})
6. Pavement Design
7. Copies of boring logs, test results and location diagram
8. Recommendations relative to any unusual design or construction techniques which may be required due to subsurface conditions

On the basis of this scope of work and the unit charges indicated on the cost estimate of services, we estimate that the cost of this investigation will be \$10,607.50. The above cost estimate assumes that the labor rates for the drillers will need to be in accordance with the published prevailing wage rates (Illinois Prevailing Wage Act, 820 ILCS 130/2).

Any additional work will be performed at the appropriate unit charges or hourly rates indicated on our cost estimate of services. All work will be performed in accordance with the attached Terms and Conditions.

Assumptions:

1. Boring locations are truck accessible.
2. No permits or construction bonds required.
3. No tree clearing or snow removal included in this proposal.
4. Work can be performed during normal weekday work hours, M - F, 7 AM – 5 PM.
5. No traffic flaggers included.

We appreciate the opportunity of being of service to you on this project and look forward to hearing from you when work is ready to begin. If there are any questions regarding the information submitted herein, please do not hesitate to contact us.

Very truly yours,

GEO SERVICES, INC.



Dan Tonissen
Project Manager
enc.



Andrew J. Ptak, P.E.
Principal Engineer

Accepted for Crawford, Murphy, & Tilly:
By  Senior VP & COO

Date 2/15/21

COST SUMMARY

CONSULTANT: CMT
 PROJECT: Lake in the Hills Airport
 PROPOSAL NO.: 21509
 SCOPE: 10-10' geotechnical borings and 6 pavement cores

DATE: January 15, 2021

	Description	Unit	Quantity	Unit Cost	Total Cost
1	Drilling Services (portal to portal from New Lenox each day)				
2	ATV Mob/Demob	EACH	-	\$ 1,200.00	\$ -
3	Daily Crew Mobilization (2 man crew) (after first day)	DAY	-	\$ 400.00	\$ -
4	PW Drilling (2 man crew) (8-hrs)	DAY	1.0	\$ 2,920.00	\$ 2,920.00
5	PW Drill Rig&Crew Standby/Delay Time	HOUR	-	\$ 365.00	\$ -
6	PW Drilling (2 man crew) - Overtime and Sat.	HOUR	3.0	\$ 547.50	\$ 1,642.50
7	PW Drilling (2 man crew) - Sun. and Holidays	HOUR	-	\$ 730.00	\$ -
8	Field Engineer (Joint Meet/Rig Technician)	HOUR	15.0	\$ 100.00	\$ 1,500.00
9	ATV Low-Boy Mob/Demob (4-hr min)	HOUR	-	\$ 150.00	\$ -
10	Drilling-Additional Items		-		\$ -
11	Bentonite Chips/Sand/Asphalt	BAG	10.0	\$ 15.00	\$ 150.00
12	Concrete	BAG	2.0	\$ 25.00	\$ 50.00
13	Grout	FT	-	\$ 6.00	\$ -
14	3" Shelby Tubes	EACH	2.0	\$ 25.00	\$ 50.00
15	Signage, Cones, Barricades	EACH	-	\$ 100.00	\$ -
16	Support Truck/Vehicle	DAY	2.0	\$ 65.00	\$ 130.00
17	GPS Rental	DAY	-	\$ 100.00	\$ -
18					
19	Drilling Services - Subtotal				\$ 6,442.50
20					
21	Laboratory Testing				
22	Routine Sampling (vis, w c, hd. Pen)	EA	55.0	\$ 15.00	\$ 825.00
23	Atterberg Limits	EA	4.0	\$ 50.00	\$ 200.00
24	Particle Size Analysis	EA	-	\$ 110.00	\$ -
25	CBR / Standard Proctor	EA	2.0	\$ 510.00	\$ 1,020.00
26	Dry Density	EA	-	\$ 5.00	\$ -
27	Organic Content	EA	2.0	\$ 100.00	\$ 200.00
28					
29	Laboratory Testing Subtotal				\$ 2,245.00
30					
31	Engineering Analysis and Report				
32	Principal Engineer	HOUR	1.0	\$ 200.00	\$ 200.00
33	Project Manager	HOUR	2.0	\$ 150.00	\$ 300.00
34	Project Engineer	HOUR	4.0	\$ 110.00	\$ 440.00
35	CAD Professional	HOUR	2.0	\$ 90.00	\$ 180.00
36	Administrative Assistant	HOUR	1.0	\$ 60.00	\$ 60.00
37					
38	Engineering Analysis and Report Subtotal				\$ 1,180.00
39					
40	Project Coordination/Management				
41	Principal Engineer	HOUR	-	\$ 200.00	\$ -
42	Project Manager	HOUR	2.0	\$ 150.00	\$ 300.00
43	Project Engineer	HOUR	4.0	\$ 110.00	\$ 440.00
44	CAD Professional	HOUR	-	\$ 90.00	\$ -
45	Administrative Assistant	HOUR	-	\$ 60.00	\$ -
46					
47	Project Coordination/Management Subtotal				\$ 740.00

TOTAL	\$ 10,607.50
--------------	---------------------

SECTION 1: SCOPE OF WORK: Geo Services, Inc. (GSI) shall perform the services defined in the Agreement and shall invoice the client for those services according to the rates and unit charges indicated in the Agreement. Any cost estimates stated in this Agreement shall not be considered as a firm figure unless otherwise specifically stated in this contract. If unexpected site conditions are discovered, the scope of work may change even as the work is in progress. GSI will provide these additional services at the agreed upon rates and unit charges.

Rates for work beyond the scope of this Agreement and not covered in the Agreement can be provided. GSI can perform additional work with prior authorization, and will provide confirmation of fees. All costs incurred because of delays in authorizing the additional work will be billed to the client. Fee schedules are valid for one year following the date of the Agreement unless otherwise noted. Initiation of services by GSI pursuant to this proposal will incorporate these terms and conditions.

SECTION 2: ACCESS TO SITES, PERMITS AND APPROVALS: Unless otherwise agreed, the client will furnish GSI with right-of-access to the site in order to perform the work. While GSI will take all reasonable precautions to minimize any damage to the property, it is understood by the client that in the normal course of work some damage may occur, the restoration of which is not part of this agreement. Unless otherwise agreed, the client will secure all necessary approvals, permits, licenses and consents necessary to the performance of the services hereunder.

SECTION 3: SOIL BORING AND TEST LOCATIONS: The accuracy and proximity of provided survey control will affect the accuracy of in-situ test location and elevation determinations. Unless otherwise noted, the accuracy of test locations and elevations will commensurate only with pacing and approximate measurements or estimates. If greater accuracy is required, the services of a professional surveyor should be obtained.

The client will furnish GSI with a diagram indicating the location of the site. Boring and test locations may also be indicated on the diagram. GSI reserves the right to deviate a reasonable distance from the boring and test locations unless this right is specifically revoked by the client in writing at the time the diagram is supplied. GSI reserves the right to terminate this Agreement if conditions preventing drilling at the specified locations are encountered which were not made known to GSI prior to the date of this contract.

SECTION 4: UTILITIES: In the performance of its work, GSI will take all reasonable precautions to avoid damage or injury to subterranean structures or utilities. The client agrees to hold GSI harmless and indemnify GSI for any claims, payments or other liability, including costs and attorney fees, incurred by GSI for any damages to subterranean structures or utilities which are not called to GSI's attention and correctly shown on the plans furnished to GSI.

SECTION 5: UNANTICIPATED HAZARDOUS MATERIALS: It shall be the duty of the owner, the client, or their representative to advise GSI of any known or suspected hazardous substances which are or may be related to the services provided; such hazardous substances include but are not limited to products, materials, by-products, wastes or samples of the foregoing which GSI may be provided or obtain while performing its services or which hazardous substances exist or may exist on or near any premises upon which work is to be performed by GSI employees, agents or subcontractors.

SECTION 6: DISPOSAL OF HAZARDOUS MATERIALS: GSI does not create, generate or at any time own or take possession or ownership of or arrange for transport, disposal or treatment of hazardous materials as a result of its exploration services. All hazardous materials, including but not limited to samples, drilling fluids, decontamination fluids, development fluids, soil cuttings and tailings, and used disposable protective gear and equipment, are the property of the client, and responsibility for proper transportation and disposal is the client's unless prior contractual arrangements are made. All laboratory and field equipment that cannot readily and adequately be cleansed of its hazardous contaminants shall become the property and responsibility of the client. The client shall purchase all such equipment and it shall be turned over to the client for proper disposal unless prior alternate contractual arrangements are made.

SECTION 7: REPORTS AND INVOICES: GSI will furnish three copies of the report to the client. The client will be billed for any additional copies requested. GSI will submit invoices to the client monthly and a final bill upon completion of services. Payment is due upon presentation of invoice and is past due thirty (30) days from the invoice date. Client agrees to pay a finance charge of one and one-half percent (1-1/2%) per month, but not exceeding the maximum rate allowed by law, on past due accounts. Client also agrees to pay all costs and expenses, including reasonable attorney fees incurred by GSI relating to collection procedures on overdue accounts. Failure of client to abide by the provisions of this section will be considered ground for termination of this agreement by GSI. fifteen (15) days after receipt of payment from owner. DKC

SECTION 8: OWNERSHIP OF DOCUMENTS: All reports, boring logs, field data, field notes, laboratory test data, calculations, estimates, and other documents prepared by GSI as instruments of service, shall remain the property of GSI unless there are other contractual agreements.

SECTION 9: CONFIDENTIALITY: GSI shall hold confidential all business or technical information obtained from the client or his affiliates or generated in the performance of services under this agreement and identified in writing by the client as "confidential". GSI shall not disclose such information without the client's consent except to the extent required for: 1) Performance of services under this agreement; 2) Compliance with professional or ethical standards of conduct for preservation of public safety, health, and welfare; 3) Compliance with any court order or other governmental directive and/or; 4) Protection of GSI against claims or liabilities arising from performance of services under this agreement. GSI's obligation hereunder shall not apply to information in the public domain or lawfully acquired on a non-confidential basis from others.

SECTION 10: STANDARD OF CARE: Services performed by GSI under this Agreement will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. No other warranty, expressed or implied, is made or intended by the proposal for consulting services or by furnishing oral or written reports of the findings made. The client recognizes that subsurface conditions may vary from those encountered at the

location where borings, surveys, tests or explorations are made by GSI and that the data, interpretations and recommendations of GSI are based solely upon the data available to GSI. GSI will be responsible for those data, interpretations and recommendations, but shall not be responsible for the interpretations by others of the information developed.

SECTION 11: SAFETY: GSI has adopted safety policy procedures for its personnel when providing services at known or suspected hazardous waste sites. GSI personnel will adhere to these procedures, as site conditions require. GSI is not responsible or liable for injuries or damage incurred by third parties who are not employees of GSI.

It is understood that GSI will not be responsible for job or site safety of the project. Job and site safety will be the sole responsibility of the contractor unless contracted to others.

SECTION 12: SUBPOENAS: The client is responsible, after notification, for payment of time charges and expenses resulting from the required response by GSI to subpoenas issued by any party other than GSI in conjunction with work performed under this contract. Charges are based on fee schedules in effect at the time the subpoena is served.

~~**SECTION 13: LIMITATION OF LIABILITY:** The client agrees to limit GSI's liability to the owner, all construction contractors and subcontractors on the project and any third party arising from GSI's professional acts, errors or omissions, or omissions or breach of Agreement or other cause of action, such that the total aggregate liability of GSI to all those named shall not exceed \$10,000 or GSI's total fee for the services rendered on this project, whichever is greater, and client hereby releases GSI from any liability above such amount. The client further agrees to require of the contractor and his subcontractors an identical limitation of GSI's liability for damages suffered by the contractor or the subcontractor arising from GSI's performance of services. Neither the contractor nor any of his subcontractors assumes any liability for damages to others, which may arise on account of GSI's professional acts, errors or omissions.~~

DK

SECTION 14: INSURANCE: GSI carries worker's compensation and employer's liability insurance and has coverage under public liability and property damage insurance policies. Certificates for all such policies of insurance will be provided to client upon request. ~~Within the limits and conditions of such insurance, GSI agrees to indemnify and save client harmless from and against any loss, damage, injury or liability arising from any negligent acts of GSI, its employees, agents, subcontractors and their employees and agents. GSI shall not be responsible for any loss, damage or liability beyond the amounts, limits and conditions of such insurance.~~ GSI shall not be responsible for any loss, damage or liability arising from any acts by a client, its agents, staff consultants employed by others, or other third parties who are not employees of GSI.

DK

SECTION 15: INDEMNITY: The client acknowledges that GSI has neither created nor contributed to the creation or existence of any hazardous, radioactive, toxic, irritant, pollutant, or otherwise dangerous substances or conditions at the site. Accordingly, except as expressly provided in this contract, the Client waives any claim against GSI and agrees to indemnify and save GSI, its agents, and employees harmless from any claim, liability or defense cost, including but not limited to attorney fees and other incidental costs, for injury or loss sustained by any party from such exposures allegedly arising out of or related to GSI's performance of services hereunder. Client and GSI agree that they will not be liable to each other, under any circumstances, for special, consequential or punitive damages arising out of or related to this Contract.

SECTION 16: SAMPLES: GSI will retain all soil and rock samples that are transported to GSI laboratories for 30 days after submission of the report. Further storage or transfer of samples can be made at client expense upon written request.

SECTION 17: SEVERABILITY: If any of the provisions contained in this Agreement are held illegal, invalid, or unenforceable, the enforceability of the remaining provisions will not be impaired.

SECTION 18: TERMINATION: This Agreement may be terminated by either party upon seven (7) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof. Such termination shall not be effective if that substantial failure has been remedied before expiration of the period specified in the written notice. In the event of termination, GSI shall be paid for services performed to the termination notice date plus reasonable termination expenses. Expenses of termination or suspension shall include all direct costs of GSI required to complete analyses and records necessary to complete its files and may also include a report on the services performed to the date of notice of termination or suspension.

~~**SECTION 19: PRECEDENCE:** These General Conditions shall take precedence over any inconsistent or contradictory provisions contained in any proposal, contract, purchase order, requisition, notice to proceed, or like document regarding GSI's services.~~

DK

ATTACHMENT L (Optional)

SUMMARY OF PAYROLL BURDEN AND FIXED COSTS

	<u>% of Direct Productive Payroll</u>
Federal Insurance Contributions Act	_____
State Unemployment Compensation	_____
Federal Unemployment Compensation	_____
Workmen's Compensation Insurance	_____
Paid Holidays, Vacation, Sick Leave	_____
Bonus	_____
Pension	_____
Group Insurance	_____
TOTAL PAYROLL BURDEN & FRINGE COSTS	_____ %

NOTE:

A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.

ATTACHMENT M (Required)

SUMMARY OF OVERHEAD AND INDIRECT COSTS

**CRAWFORD, MURPHY & TILLY, INC.
SUMMARY OF INDIRECT OVERHEAD COST
AUDITED CALENDAR YEAR 2019
AND PROVISIONAL 2019/2020**

CMT ACCOUNT NUMBER	ACCOUNT NAME	% OF DIRECT LABOR COSTS
<u>PAYROLL BURDEN AND FRINGE BENEFITS</u>		
6151	FICA Tax	12.58%
6102, 6103, 6170	Paid Time Off (Vacation, Holidays and Sick Leave)	15.94%
6154, 6156, 6158	Group Medical, Life, Workers Comp, Disability and Unemployment Insurance	10.45%
6159, 6160	Employee Retirement Plan Contributions	13.93%
		<u>52.90%</u>
<u>GENERAL & ADMINISTRATIVE OVERHEAD EXPENSE</u>		
6104-6119	Indirect Salaries - Not Allocable to Projects	66.27%
6222, 6264	Miscellaneous Taxes	1.03%
6231	Professional Fees	3.39%
6251	Rent	11.52%
6252	Utilities	0.84%
6271	Telephone & Data	2.96%
6253-6254	Maintenance, Repairs & Supplies	1.91%
6261-6265	Office Supplies, Shipping & Reproduction	1.58%
6281, 6284	Seminars, Registration & Education	2.84%
6291,92,95,6321-23	Travel & Vehicle Expense	4.41%
6331, 6332	Business Insurance	3.01%
6351,52,61,62,69	Equipment Expense, Repairs & Maintenance	1.58%
6366, 6367, 6368	Computer Expense & Supplies	8.74%
6371,6372,6381,6382	Maps, Reference Books, Engineering & Survey Supplies	0.64%
6401+COFC	Depreciation & Cost of Facilities Capital (0.52%)	5.23%
		<u>115.95%</u>
	TOTAL OVERHEAD	<u><u>168.85%</u></u>

NOTE: A letter from IDOT with approval or provisional payroll burden / fringe and general / administrative expense rates must be attached (ATTACHMENT S) for verification of rates.

ATTACHMENT N

PROJECT CERTIFICATION

Airport: _____ Letting Date: _____
IL Project No.: _____
Federal Project No.: _____
Contract No: _____

Project Description: _____

Pursuant to Federal Aviation Regulations, Part 152, as amended, and as a condition to receiving any Federal and/or State financial assistance through a Grant Offer from the FAA and/or the State of Illinois - Department of Transportation for the proposed airport development project, it is hereby represented, to the best of our knowledge, information, and belief that:

1. The Consultant has been selected to provide the necessary professional services for the project described herein and identified in the Professional Services Request For Qualifications (RFQ).
Selection Date (Required):_____ Copy of Retainer attached (ATTACHMENT U).
2. Project is clearly delineated on the currently approved Airport Layout Plan.
Approval Date (Required):_____.
3. Project is environmentally cleared. CatEx EA EIS FONSI
Approval Date (Required):_____.
4. All Corps/EPA permits and other regulatory agency reviews/approvals/mitigation have been satisfied and there are no known encumbrances to the completion of the project.
 Yes No.
5. Plans were prepared in accordance with FAA approved standards and advisory circulars; and, the specifications were prepared in accordance with the FAA approved *Illinois Standard Specifications For Construction Of Airports*, along with the Division of Aeronautics' most current Policy Memorandums and "Handout" Specifications, except as noted by attached Modification of Standards (MOS) which has been addressed and justified in the engineering report and submitted to and approved by the FAA and Engineer of Design. Yes No.
Approval Date of MOS (If applicable):_____.
6. The design conforms to the approved project scope. Yes No.
7. Provisions have been included for safety during construction (per guidance explained in FAA AC 150/5370-2F (or current) Operational Safety on Airports during Construction). Yes No.
8. The plans, special provisions and quantities have been thoroughly checked in accordance with best management practices by the Consultant for accuracy and consistency, and are in conformance with AC 150/5300-13 (latest edition). All contract deliverables referenced in Section I.F. DELIVERABLES have been submitted, received and determined acceptable.
 Yes No.

Date _____ By: _____
Design Engineer (Consultant)

Date _____ By: _____
Sponsor

Date _____ By: _____ P.E.
Department Design Engineer

Date _____ By: _____ P.E.
Engineer of Design

ATTACHMENT O

DBE FINAL DOCUMENTATION



Prime Consultant

Name _____

Address _____

Telephone _____

Subject

Airport _____

Illinois Project No. _____

Federal Project No _____

DBE Subconsultant

Name _____

Address _____

Telephone _____

Contract Amounts

Consultant Contract Amount _____

DBE Contract Amount _____

DBE Participation (%) _____

This documentation verifies the services provided and the amount paid to the DBE Subconsultant on the above captioned contract. The undersigned certifies that the services reported herein were executed by the DBE, that the DBE actually provided the services and that the services reported herein conform to the services reported in the approved Professional Services Agreement together with any amendments approved by the Sponsor and/or Division as applicable.

Description of Service Provided	Contract Amount	Amount Paid	Difference (+/-)
1.			
2.			
3.			
4.			
5.			
6.			
Totals			

DBE Contract amount has been met or exceeded [] Yes [] No (*check one*).

DBE Contract amount not met – Shortfall \$ _____ (*documentation explaining shortfall attached*).

Prime Consultant

DBE Subconsultant

Print Name

Print Name

Title

Title

Signature

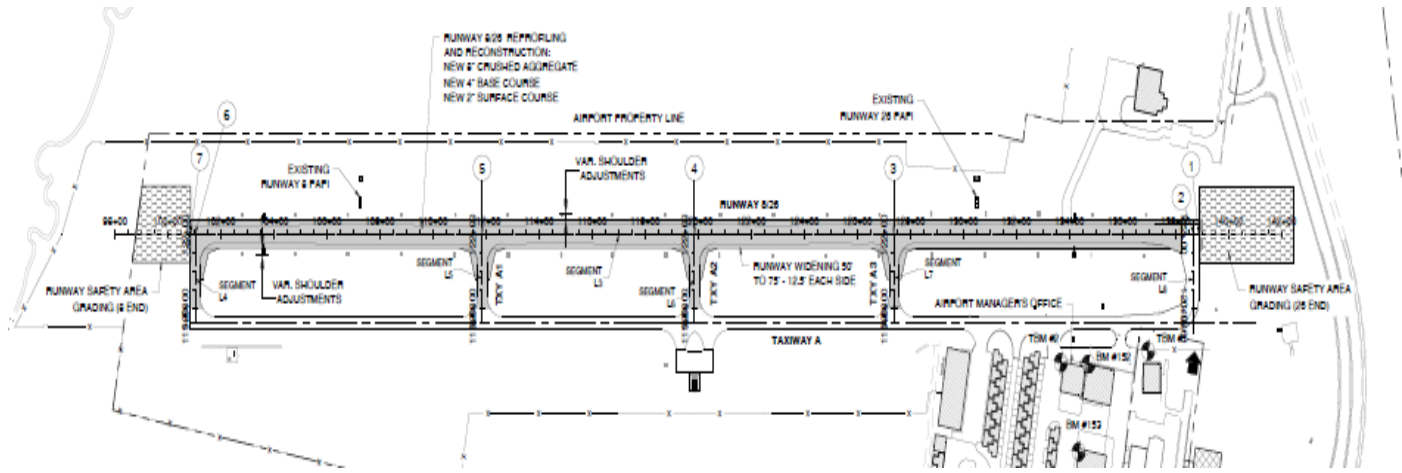
Signature

Date

Date

ATTACHMENT P

PROJECT SKETCH



ATTACHMENT Q

PROJECT LETTING SCHEDULE

PRELIMINARY PROJECT SCHEDULE

The proposed anticipated project schedule is as follows. An updated project schedule will be established at the pre-design conference and included within the Engineering Report. The schedule is contingent upon reasonable response and reviews being provided the consultant prior to each subsequent delivery date.

<u>Schedule Item</u>	<u>Anticipated Duration</u>	<u>Due Date</u>
Pre-Design Meeting	-	February 3, 2021
Engineering Report (35%)	5 Weeks	February 26, 2021
Agency/Owner Review of Des. Rpt 35% Comments	2 Weeks	March 12, 2021
Develop Preliminary Plans & Specifications (80%)	8 Weeks	May 7, 2021
Agency/Owner Review of 80% Plans Comments	2 Weeks	May 21, 2021
Develop Final Plans & Specifications (100%)	2 Weeks	June 4, 2021
Service Bulletin	3 Weeks	June 25, 2021
IDOT Letting	-	July 30, 2021
Award Date	-	October 29, 2021

It is agreed that delays in the consultant receiving agency comments and approvals beyond the review period presented will result in a revised, mutually agreeable schedule for subsequent submittals.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF AERONAUTICS
2021 LETTING SCHEDULE WITH ASSOCIATED REGRESSIVE DATES

22 Week Project Development Timeline (154 Calendar Days)				IDOT Letting Date	Anticipated Award Date	Anticipated Start to Work Date
START (0%)	35%	80%	100%			
Pre-design Meeting Target Date	Engineering Report to IDA for Comments	*Sealable Plans and Specifications to IDA for Comments	Approved and Sealed Final Plans and Specifications to IDA			
15-Nov-2019	10-Jan-2020	20-Mar-2020	17-Apr-2020	12-Jun-2020	11-Sep-2020	09-Oct-2020
03-Jan-2020	28-Feb-2020	08-May-2020	05-Jun-2020	31-Jul-2020	30-Oct-2020	01-May-2021
21-Feb-2020	17-Apr-2020	26-Jun-2020	24-Jul-2020	18-Sep-2020	18-Dec-2020	01-May-2021
10-Apr-2020	05-Jun-2020	14-Aug-2020	11-Sep-2020	06-Nov-2020	05-Feb-2021	01-May-2021
12-Jun-2020	07-Aug-2020	16-Oct-2020	13-Nov-2020	15-Jan-2021	16-Apr-2021	14-May-2021
07-Aug-2020	02-Oct-2020	11-Dec-2020	08-Jan-2021	05-Mar-2021	04-Jun-2021	02-Jul-2021
25-Sep-2020	20-Nov-2020	29-Jan-2021	26-Feb-2021	23-Apr-2021	23-Jul-2021	20-Aug-2021
13-Nov-2020	08-Jan-2021	19-Mar-2021	16-Apr-2021	11-Jun-2021	10-Sep-2021	08-Oct-2021
01-Jan-2021	26-Feb-2021	07-May-2021	04-Jun-2021	30-Jul-2021	29-Oct-2021	01-May-2022
19-Feb-2021	16-Apr-2021	25-Jun-2021	23-Jul-2021	17-Sep-2021	17-Dec-2021	01-May-2022

ATTACHMENT R

OP&P PROGRAM LETTER



Illinois Department of Transportation

Office of Planning and Programming
2300 South Dirksen Parkway / Springfield, Illinois / 62764

August 9, 2020

Mr. Michael Peranich
Lake In The Hills Airport
600 Harvest Gate
Lake in the Hills, IL 60156

Mr. Peranich,

The Illinois Department of Transportation's Airport Improvement Program provides funding for projects at airports throughout the state to ensure the continuation of safe and efficient operations at these facilities and maximize opportunities for economic development in Illinois.

The project detailed herein was selected for your airport based on project requests submitted to the Department during the Transportation Improvement Program (TIP) meetings. This IDOT FY- 2021 Airport Improvement Program is based on Federal Aviation Administration (FAA) funding levels established in federal legislation which provide for a minimum of \$1 million in entitlement funds for primary airports and a maximum of \$150,000 entitlement funds for non-primary airports. Federal legislation calls for a maximum 90% federal participation. As such, the state and local match will be 5% each for all projects which are eligible for state funding. All other federal projects which are not eligible for state funds will require a minimum 10% local match.

Funding for the Illinois Airport Improvement Program is dependent upon receipt of Federal funds and legislative authorization of state appropriations. In addition, proposed development and land acquisition must be shown on an approved ALP, have cleared environmental processing, and the land already acquired or have a signed purchase agreement. For projects seeking Federal Discretionary Funds projects, these requirements must be completed, and evidence of completion provided to Aeronautics by October 1, 2020, before a project can be considered for funding.

The Department and the Airport Sponsor hereby specifically agree that they shall pay the above defined percentages of all project costs. In addition, the GRANTEE shall pay such additional project costs which exceed the sum of the GRANTOR's funds and the Federal funds, as are herein committed for this Project. **In the event your project exceeds these budget totals, the Sponsor may elect to pay any additional project costs which exceed the total sum of state and federal funds as planned and programmed to complete the project. If additional funds are deemed necessary post award, an amendment to the Agency Agreement with the Department must be developed and approved by the Department and the FAA before any additional funding may be allocated.**

In the event the Illinois General Assembly fails to appropriate funds, or sufficient funds are otherwise not made available for these projects, the Airport Sponsor will be required to pay the state and local costs as itemized below. This will include any amount which exceeds the totals listed.

Projects were selected based on the FAA's National Priority System as well as other state and local priorities. The Department has programmed the following project to be included in the IDOT FY 2021 Proposed Airport Improvement Program for your airport:

The project "Rehabilitate Runway 8/26 - Phase 2 Rehabilitation and Re-Profile - Reconstruct, Rehabilitate and Reprofile Runway 8/26 (75' x 3,800') to meet Design Standards - Phase 2 Rehabilitation and Overlay" will be funded as follows:

Federal Non-Primary Discretionary Funds	\$1,730,490
Federal Non-Primary Entitlement Funds	\$519,510
State Match	\$125,000
Local Match	\$125,000
<hr/> Total Project Cost	<hr/> \$2,500,000

*** If this project is seeking AIP Federal Discretionary Funds from the Federal Aviation Administration (FAA) until such time the funds are received by the Department this project is not guaranteed.**

The Office of Intermodal Project Implementation (Aeronautics) letting schedule for construction projects must be strictly followed to ensure projects are advertised and brought to letting in an organized manner. The letting schedule allows for 30 weeks to develop a project from the date of the pre-design meeting to the letting.

To ensure eligibility of professional services for state and federal funding participation, you are required to satisfy the qualifications based selection process and enter into a retainer agreement, or professional services A/E agreement with the consultant of record selected for the project prior to any costs being incurred. This should take place prior to the project initiation/pre-design meeting. Aeronautics will facilitate this process, as well as the initial development and review of fees.

The project contained in this letter is officially programmed for development provided all state and federal requirements have been met. It is now the Airport Sponsor's responsibility to initiate the professional services phase of the project. Please contact Aeronautics, either directly or through your consultant, to schedule a project initiation meeting.

Please contact Mr. Alan Mlacnik, P.E. – Bureau Chief of Airport Engineering at 217.785.4884 to initiate this project. **Please initiate this project within 12 months of the date of this letter or this project will no longer be considered programmed. Projects are initiated by scheduling a predesign meeting for design/construction projects or a project initiation meeting for planning and environmental projects.**

APMS Budget Amounts

As of 2 Feb 2021

Project: 4814 - Runway - Rehabilitate and Reprofile Runway 8-26

Description: Program budget

<u>Federal</u>			<u>State of Illinois</u>			<u>Local sponsor</u>		
General	0.00		Bond	0.00		General	0.00	
144-18N	112,440.00	4.41%	G.R.F.	6,248.00	0.25%	iger Facility Charges	6,248.00	0.25%
159-19N/162-20N	316,666.00	12.43%		8,333.00	0.33%		8,333.00	0.33%
2021 NPE	150,000.00	5.89%		8,333.00	0.33%		8,333.00	0.33%
2021 Disc	1,730,490.00	67.92%		96,138.00	3.77%		96,138.00	3.77%
Total:	2,309,596.00	90.65%	Total:	119,052.00	4.67%	Total:	119,052.00	4.67%

Budget total: 2,547,700.00

Agency agreement execution date:

Primary airport grant execution date:

Letter of Credit amount: 2,309,596.00

ATTACHMENT S

CURRENT IDOT PROVISIONAL PAYROLL BURDEN / FRINGE EXPENSE AND GENERAL /
ADMINISTRATIVE EXPENSE RATE LETTER



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 11, 2021

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Roger Driskell
CRAWFORD, MURPHY, & TILLY, INC.
2750 West Washington Street
Springfield, IL 62702

Dear Roger Driskell,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2019. Your firm's total annual transportation fee capacity will be \$97,600,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 168.85% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Bureau of Investigations and Compliance in a pre-award audit. Pursuant to 23 CFR 172.11(d), we are providing notification that we will post your company's indirect cost rate to the Federal Highway Administration's Audit Exchange where it may be viewed by auditors from other State Highway Agencies.


Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2020. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Jack Elston, P.E.
Bureau Chief
Bureau of Design and Environment

ATTACHMENT T

CONSULTANT'S PRELIMINARY ESTIMATE OF PROBABLE CONSTRUCTION COSTS

PRELIMINARY (35% Estimate) OPINION OF PROBABLE CONSTRUCTION COSTS					
PROJECT: Reconstruct and Re-profile Runway 8-26					
AIRPORT: Lake In the Hills		BY: CRAWFORD, MURPHY & TILLY, INC.			
AJP PROJ.: 3-17-SBGP-144/156/162/TBD		CONSULTING ENGINEERS			
IL PROJ.: 3CK-4814		550 NORTH COMMONS DRIVE, SUITE #116, Aurora, IL 60504			
		DATE: 2/26/2021			
ENGINEER'S ESTIMATE					
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
AR125901	REMOVE STAKE MOUNTED LIGHT	EACH	12.0	\$ 200.00	\$ 2,400.00
AR125106	RELOCATE ELEVATED RETROREFLECTIVE MARKER	EACH	42.0	\$ 500.00	\$ 21,000.00
AR800164	REMOVE RETROREFLECTIVE MARKER	EACH	3.0	\$ 150.00	\$ 450.00
AR125931	REPLACE LIGHT LENS	EACH	18	\$ 475.00	\$ 8,550.00
AR108158	1/C #85KV UG CABLE IN UD	LF	800	\$ 9.00	\$ 7,200.00
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	\$ 30,000.00	\$ 15,000.00
AR150520	MOBILIZATION	LS	1	\$ 115,373.25	\$ 115,373.25
AR152410	UNCLASSIFIED EXCAVATION	C.Y.	7,525	\$ 15.00	\$ 112,875.00
AR156510	SILT FENCE	L.F.	8,000	\$ 3.50	\$ 28,000.00
AR156513	SEPARATION FABRIC	S.Y.	12,125	\$ 3.00	\$ 36,375.00
AR156520	INLET PROTECTION	EACH	10	\$ 250.00	\$ 2,500.00
AR156531	EROSION CONTROL BLANKET	S.Y.	3,750	\$ 2.75	\$ 10,312.50
AR209515	POROUS GRANULAR EMBANKMENT	C.Y.	500	\$ 50.00	\$ 25,000.00
AR209510	CRUSHED AGGREGATE BASE COURSE, LEVELING	TON	150	\$ 25.00	\$ 3,750.00
AR209608	CRUSHED AGG. BASE COURSE -8"	S.Y.	33,500	\$ 9.00	\$ 301,500.00
AR401610	BITUMINOUS SURFACE COURSE (2" thick)	TON	4,150	\$ 90.00	\$ 373,500.00
AR401620	BITUMINOUS SURFACE COURSE, LEVELING	TON	125	\$ 150.00	\$ 18,750.00
AR401630	BITUMINOUS SURFACE TEST SECTION	EACH	1	\$ 12,500.00	\$ 12,500.00
AR401650	BITUMINOUS PAVEMENT MILLING	S.Y.	3,675	\$ 4.00	\$ 14,700.00
AR401900	REMOVE BITUMINOUS PAVEMENT	S.Y.	20,100	\$ 3.75	\$ 75,375.00
AR403610	BITUMINOUS BASE COURSE (4" thick)	TON	7,425	\$ 85.00	\$ 631,125.00
AR602510	BITUMINOUS PRIME COAT	GAL.	9,675	\$ 3.00	\$ 29,025.00
AR603510	BITUMINOUS TACK COAT	GAL.	10,775	\$ 2.00	\$ 21,550.00
AR620520	PAVEMENT MARKING - WATERBORNE	S.F.	18,425	\$ 2.00	\$ 36,850.00
AR620525	PAVEMENT MARKING - BLACK BORDER	S.F.	15,000	\$ 1.50	\$ 22,500.00
AR705526	6" PERFORATED UNDERDRAIN W/ SOCK	L.F.	1,500	\$ 30.00	\$ 45,000.00
AR705900	REMOVE UNDERDRAIN	L.F.	1,350	\$ 12.00	\$ 16,200.00
AR901510	SEEDING	ACRE	7.0	\$ 3,800.00	\$ 26,600.00
AR908515	HEAVY DUTY HYDRAULIC MULCH	ACRE	6.5	\$ 3,200.00	\$ 20,800.00
AR800XXX	RELOCATE UNDERDRAIN COLLECTION STRUCTURE	EACH	7.0	\$ 500.00	\$ 3,500.00
SUBTOTAL OF ESTIMATED CONSTRUCTION COSTS =					\$ 2,038,260.75
DESIGN PHASE 1 ENGINEERING =					\$ 47,700.00
DESIGN PHASE 2 ENGINEERING =					\$ 125,000.00
SPECIAL SERVICES =					\$ 6,000.00
CONSTRUCTION PHASE =					\$ 150,000.00
FLIGHT CHECK =					\$ 20,000.00
IEPA PERMIT FEE =					\$ 750.00
DESIGN PROGRESSION =					\$ 112,289.25
ESTIMATE OF TOTAL PROJECT COST =					\$ 2,500,000.00

ATTACHMENT U

RETAINER AGREEMENT

AGREEMENT FOR ENGINEERING SERVICES

THIS AGREEMENT made at Lake in the Hills, Illinois, this ²⁷th day of March in the year 2014, by and between the Village of Lake in the Hills (hereinafter referred to as the "Owner"), as Party of the First Part, and Crawford, Murphy & Tilly, Inc. (hereinafter referred to as the "Engineer"), as Party of the Second Part.

WITNESSETH:

WHEREAS, the Owner intends to sponsor the accomplishment of a development program in stages of the public air navigation facilities known as the Lake in the Hills Airport (3CK) located in Latitude 42°12.41'N, Longitude 88°19.38' W, in McHenry County, State of Illinois; and

WHEREAS, the development program shall include, subject to receipt of grant funding design, construction, and special services related to the following projects:

- Preparation of necessary applications and documentation for FAA / IDOT AIP grant funding.
- Remove buildings and obstructions for replacement taxiway.
- Construct parallel taxiway A and exit/connecting taxiways, stage 3 - east portion to meet design standards. Includes design and construction of: edge lighting and airfield signage, and new electrical vault.
- Design and construction of perimeter fencing, including manual and electronic gates and access control, to control wildlife and preserve security.
- Design and construction of Widen and Reconstruct Runway 8-26 to 100 feet; shift runway ends to east to meet design standards (runway safety area, runway object free area and non-standard pavement width). Includes edge lighting, threshold lighting, REIL and PAPI systems.
- Design and construction of existing access road to serve new terminal area. Includes marking, signage, overhead lighting, and landscaping.
- Design and construction to remove or remediate existing obstructions to navigation.
- Design and construction to rehabilitate t-hangar pavements.
- Design and construction for the new terminal area general aviation apron.
- Professional services associated with land or easement acquisition associated with the anticipated five year development program.
- Design and construction of utility relocations/extensions (electric, telephone, natural gas, water, sanitary sewer, and storm sewer) as appropriate during the implementation of the development program.
- Preparation of updates to the Airport Layout Plan and Exhibit "A" - Property Line Map and preparation of environmental assessment documents as periodically required.

WHEREAS, the Department of Transportation, Division of Aeronautics, State of Illinois, is authorized Agent of the Owner under the proposed development program (it shall be hereinafter referred to as the "Division");

WHEREAS, the Engineer agrees to furnish an executed "Certification of Engineer" and certain professional engineering services enumerated hereinafter, in connection with the aforesaid development project.

NOW, THEREFORE, for and in consideration of the benefits which will accrue to the parties hereto by virtue of this Agreement and the respective covenants herein contained, IT IS MUTUALLY COVENANTED AND AGREED as follows:

I. **ENGINEERING SERVICES**

The Engineer agrees to furnish and perform the various professional engineering services required for the preparation of the above reference construction project as follows:

ATTACHMENT V

ADDITIONAL SCOPE OF WORK DESCRIPTION

**ADDITIONAL WORKSCOPE ITEMS
FOR
OBSTRUCTION EVALUATION FOR RUNWAY 8/26**

Village of Lake in The Hills
Lake in The Hills Airport

May 20, 2020

This scope identifies additional work elements that were not scoped in the original agreement for the Lake in the Hills (LITH) Obstruction Evaluation for Runway 8/26.

BACKGROUND

The original contract was signed on March 14, 2019. On April 18, 2019, FAA updated and renamed the Airports GIS (AGIS) portal to the Airport Data and Information Portal (ADIP). As part of the update, the ADIP (formerly AGIS) projects types were updated.

This LITH project was originally scoped to be an AGIS “Airport Layout Plan (ALP) – Airport Design or Planning” project and was then changed to a “Safety Critical Data Collection, NOT Including Design Data” project once the ADIP was created. This is the new project type typically used for Master Plans and ALP updates. FAA also added an additional project type, “Safety Critical Data Collection, Including Design Data.” The “Safety Critical Data Collection, Including Design Data” projects are used in cases where design and construction is going to occur and changes to the safety critical data (runway, NAVAID, and obstruction data) will impact instrument approach or departures procedures for an airport.

After initially continuing under the “Safety Critical Data Collection, NOT Including Design Data” project type, we consulted with the ADIP Help Desk, and they confirmed that this project needed to be changed to a “Safety Critical Data Collection, Including Design Data” project because of the potential changes to the obstruction data that could impact the instrument approach procedures (IAPs) to both Runways 8 and 26. The new project type would allow design data to be submitted to ADIP and reviewed by FAA, and then allow FAA to begin reviewing the IAPs for possible updates. Upon completion of construction, as-built survey data is then submitted to ADIP and changes can be made to the IAPs, if needed, based on differences between the design and as-built data”.

ADDITIONAL SCOPE ITEMS

Tasks 1-6, for the Design portion of the project, are either updates, revisions or resubmittals of items included in the original scope. Tasks 7-13, for the As-built portion, are new tasks not included in the original scope.

1. Create new project on ADIP website

Upon receiving confirmation from the ADIP Help Desk regarding the project type, a new project was set up on the ADIP website. This task will include coordination with both the ADIP Help Desk and Chicago Airports District Office (ADO) regarding the new project and required changes.

2. Design Statement of Work (SOW)

With the changes to the project type and required tasks, a Design SOW will be developed and submitted to the ADIP portal for review and approval by FAA. This task will include coordination with both the ADIP Help Desk and Chicago ADO regarding the SOW.

3. Update Design Imagery Plan

The original Imagery Plan will be updated to entail the requirements of the Safety Critical Data Collection, Including Design Data project.

4. Update Design Survey & Quality Control Plan (SQCP)

The original SQCP will be updated to entail the requirements of the Safety Critical Data Collection, Including Design Data project.

5. Design Imagery Data Submittal

The previously collected imagery data will be reviewed and resubmitted to FAA for review and approval.

6. Design Survey Data Submittal

7. As-Built Statement of Work

8. As-Built Imagery Plan

9. As-Built Survey & Quality Control Plan (SQCP)

10. Collect and Submit As-Built Imagery Data

FAA requires that as-built imagery be collected for all "Safety Critical Data Collection, Including Design Data" upon completion of construction.

11. As-Built Survey Data Submittal

12. Final Report Submittal

13. Submit request to FAA to review and update, if needed, LITH's IAPs

Once the Design data is approved a request will be submitted to the FAA Instrument Flight Procedures Information Gateway for FAA to review the RNAV (GPS) Runway 8, RNAV (GPS) Runway 26, and VOR Runway 26 IAPs.



May 20, 2020

Mr. Craig Stankiewicz, C.M.
Project Manager
Crawford, Murphy & Tilly
Engineers & Consultants
125 S. Wacker Dr., Suite 2880
Chicago, IL 60606

Project: As Built Survey – Lake in the Hills Airport (3CK)

Dear Mr. Stankiewicz,

This summary of work describes our understanding of the scope of work and services required for a As Built at the Lake in the Hills Airport (3CK) Airport located in Lake in the Hills, IL. The project will be done in compliance with AGIS policies. The Advisory Circulars identified below detail the data collection requirements and accuracies for the project and the verification process by the Federal Aviation Administration (FAA) and the National Geodetic Survey (NGS).

- AC 150/5300-16A “General Guidance and Specifications for Aeronautical Surveys: Establishment of Geodetic Control and Submission to the National Geodetic Survey”
- AC 150/5300-17C, Change 1 “Standards for Using Remote Sensing Technologies in Airport Surveys”
- AC 150/5300-18B, Change 1 “Survey and Data Standards for Submission of Aeronautical Data Using Airports GIS

Summary of Work

For this project we will acquire new vertical stereo digital imagery at a physical image scale of 1”= 2,884’ of the of the airport area. The aerial imagery will be collected using an Ultracam Eagle M3 digital sensor, or comparable.

From the 1”= 2,884’ imagery, we will produce the following:

- Color digital orthophotos with a 1.0’ pixel resolution

Quality Standards

The project has been designed to conform to the National Map Accuracy Standards for twelve inch orthophoto production. In addition, we insure that the photogrammetric mapping will meet all FAA and NGS standards. We will exercise reasonable care and will conform to the standards of practice ordinarily used by the photogrammetric profession.

Project Area

The project area encompasses the Lake in the Hills Airport (3CK)



Control Surveying

The aerial photography will be completed with ABGPS control which will be used for the base control for the geo-referencing of the aerial imagery. Quantum Spatial will process the ABGPS data using COR stations and reference it to the project control datums:

Horizontal: North American Datum of 1983/2011 (NAD 83(2011)), in the IL State Plane Coordinate System, East Zone, in US survey feet.

Vertical: North American Vertical Datum of 1988 (NAVD 88)

CMT will complete all of the remaining on-site ground control surveys, including:

- Geodetic control validation of the existing airport PACS and SACS stations or establish temporary airport control according to the guidelines established in AC 150/5300-16A
- All other tasks, not specifically listed above, as outlined in FAA AC-18B, Table 2-1 "Survey Requirements Matrix for *As Built Survey*."
- **Final Survey Report**

Orthophoto Mapping

We will use the control solution and imagery to generate a Digital Elevation Model (DEM) of the airport area. The imagery will be processed into color digital orthophotos using the aforementioned DEM to rectify the images. Orthophotos for the airport area with a 1.0' pixel resolution. Orthos will be delivered in a GeoTIFF file format.

Production Schedule

We will work with you to finalize a mutually agreeable schedule for the project after FAA Control Plan approvals. We will make a reasonable effort to maintain the agreed-upon schedule. However, should the project be interrupted by technical problems beyond our control, including control deficiencies or map file re-deliveries rescheduling may become necessary.

Quantum Spatial will submit all data collected and associated required deliverable in the formats specified in the appropriate advisory circulars to the FAA Office of Airports, Airports Surveying-GIS Program. All data submissions to the FAA will be through the program's web site at <http://airports-gis.faa.gov>.

The AC 150/5300-17C project data deliveries that will not be submitted through the web site will be delivered on external hard drives or DVDs.

The 18B deliverables that will be uploaded to the AGIS website include:

- Statement of Work, Imagery Plan and Survey and Quality Control Plan
- Image Delivery
- Color digital orthophotos
- FGDC compliant metadata
- Final Report

We will deliver the following items to CMT:

- Color digital orthophotos with a 1.0' pixel resolution in GeoTIFF (airport property)
- Update Runway Markings
- 2 color enlargements (30"x40") covering the airport and surrounding area (mounted/laminated/framed)

All digital files will be delivered on external hard drive or CD/DVD.



Cost and Payment Terms

Compensation for the above services will be provided as a lump sum cost of U.S. \$15,623.00

Client Responsibilities

The successful and timely completion of this project is dependent upon a number of elements and work tasks, some of which involve participation by CMT. You will be responsible for designating a representative for the project who will have the authority to transmit instructions, receive information, and make timely decisions with respect to the services provided by Quantum Spatial.

Quantum Spatial Representative

Jill Mahoney, Project Manager and Marlin Zook, Technical Manager, will represent us during the performance of the services to be provided under this agreement. Each has the authority to transmit and receive instructions and make decisions with respect to the services. Each is authorized to commit the necessary resources towards completing the services described herein.

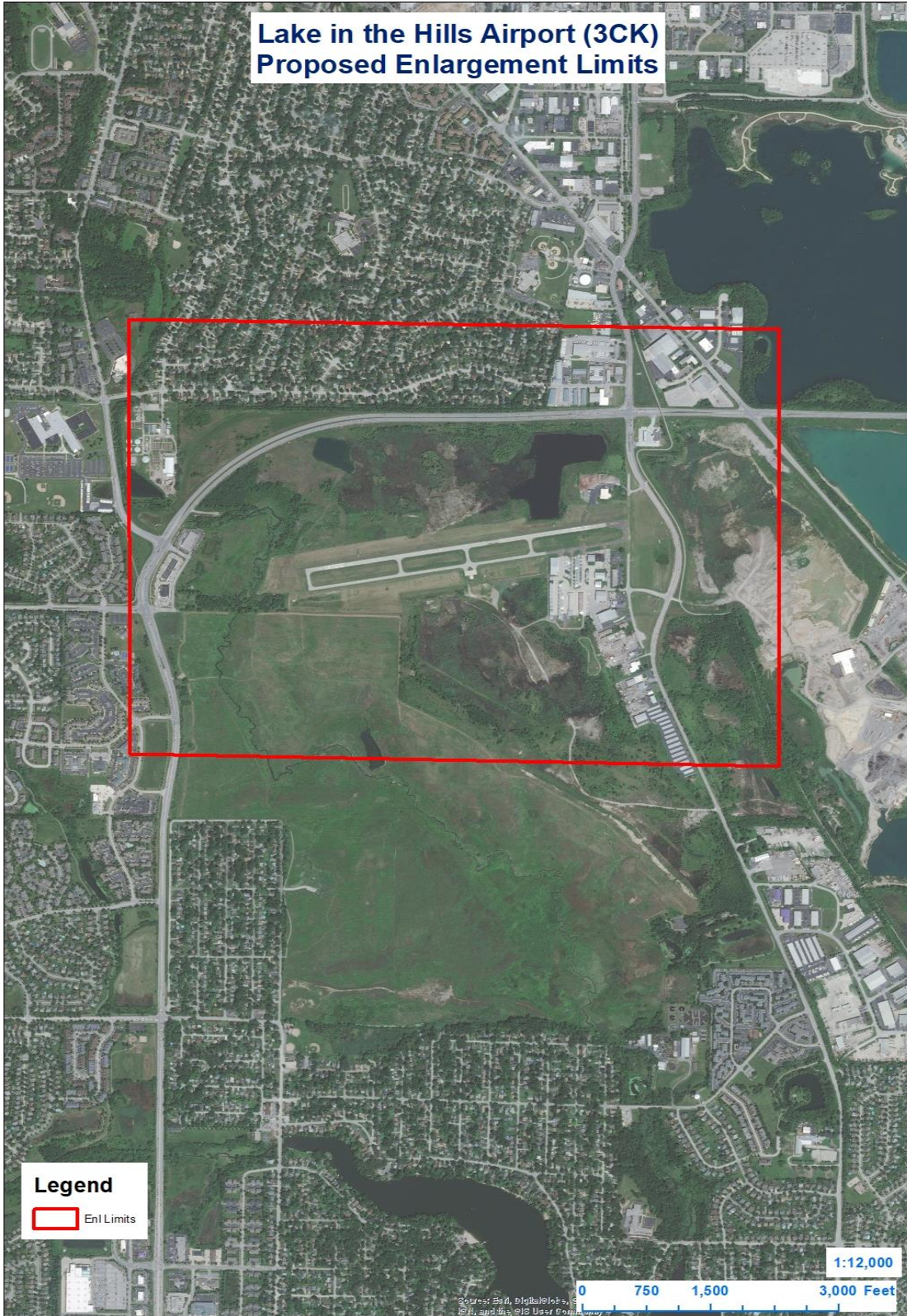
We look forward to working with you and your staff to complete this project in a timely and cost effective manner. Should you have any questions, please call our office at (920) 912-6263 or email me at the address shown below.

Sincerely,
Quantum Spatial, Inc.

Bob Vander Meer
Vice President
rvandermeer@quantumspatial.com



Lake in the Hills Airport (3CK)
Proposed Enlargement Limits





REQUEST FOR BOARD ACTION

MEETING DATE: September 21, 2021

DEPARTMENT: Public Works

SUBJECT: Runway 8/26 Rehabilitation & Reprofiling Project Award Concurrence

EXECUTIVE SUMMARY

Staff seeks concurrence from the Village Board of Trustees to allow the State of Illinois to award the runway 8/26 rehabilitation and reprofiling project to Plote Construction, Inc.

Earlier this summer, the Illinois Department of Transportation (IDOT) sought bids from companies to rehabilitate the runway at Lake in the Hills Airport. Three bids were opened on July 31st. Plote Construction, Inc. is the apparent low bidder with a price of \$2,294,000.

The attached document indicates unit prices for the runway project included in Plote's bid. Before IDOT can officially award the project, Plote will need to meet all post-letting requirements including bonding and Disadvantaged Business Enterprise (DBE) certification; however, IDOT is seeking concurrence from the Village before they move forward with the award process. The work is anticipated to start on May 1, 2022.

FINANCIAL IMPACT

IDOT has informed the Village that because of the Village's current FAA entitlement money balance and the recent funding made available to the airport from the Coronavirus Aid, Relief, and Economic Security Act, the Village's total contribution for the entire runway 8/26 rehabilitation and reprofiling project will only amount to \$14,650. The entire project is anticipated to cost \$2,294,000, but the Village's local share would only be a portion of entitlement money from year not covered by the CARES Act.

ATTACHMENTS

1. Award Concurrence Letter

RECOMMENDED MOTION

Motion of concurrence from the Village Board of Trustees to allow the State of Illinois to award the runway 8/26 rehabilitation and reprofiling project to Plote Construction, Inc.



Illinois Department of Transportation

Office of Intermodal Project Implementation / Division of Aeronautics
1 Langhorne Bond Drive / Springfield, Illinois 62707-8415

September 14, 2021

Mr. Michael Peranich
Airport Manager
Lake in the Hills Airport
8407 Pyott Road
Lake in the Hills, IL 60156-9755

Re: Item 01A – July 30, 2021 Letting
Lake in the Hills Airport
Illinois Project Number 3CK-4814
SBG Project Number 3-17-SBGP-
144/156/162/171/TBD
Contract Number LK014

Dear Mr. Peranich:

Enclosed for your information is one copy of the Contract Schedule of Unit Prices for the referenced project. We recommend and request your concurrence in awarding the contract to the low bidder, Plote Construction, Inc., in the amount of \$2,294,000.00.

Please sign and return this letter indicating your concurrence and authorization in awarding this project within 30 days.

This request is made subject to the contractor's compliance with all DBE, bonding, and other post-letting administrative requirements.

If you have any questions concerning this matter, please contact me at (217) 785-4884.

Sincerely,

A handwritten signature in blue ink that reads "Alan Mlacnik".

Alan Mlacnik, P.E.
Bureau Chief of Airport Engineering

Award Concurrence/Authorization

(Sponsor Signature and Title)

Enclosure (1)
jks for ADM

cc: Doug Klonowski, P.E., Crawford, Murphy & Tilly, Inc.

ELMS012:DTGB2390:ELMR090
 07/31/21 11:30:49
 LETTING TYPE: AERONAUTICS
 RESPONSIBLE DISTRICT: 01

ILLINOIS DEPARTMENT OF TRANSPORTATION
 CONTRACT SCHEDULE OF AWARDED PRICES

PAGE 1
 LETTING DATE 07/30/2021
 LETTING ITEM NBR 001A
 CONTRACT NBR LK014

COUNTY NAME/CODE	SECTION	PROJECT NUMBER	ROUTE (S)
MCHENRY /111	LAKE IN THE HILLS	317SBGPTBD-3CK /481/4	

PAY ITEM NBR	PAY ITEM DESCRIPTION	QUANTITY	UNIT OF MEASURE	UNIT PRICE	TOTAL PAY ITEM AWARD PRICE
AR108088	1/C #8 XLP-USE	3,500.000	L.F.	7.5000	26,250.00
AR108656	3/C #6 600 V UG CABLE IN UD	1,850.000	L.F.	13.0000	24,050.00
AR110014	4" DIRECTIONAL BORE	45.000	L.F.	141.0000	6,345.00
AR110502	2-WAY CONCRETE ENCASED DUCT	155.000	L.F.	183.0000	28,365.00
AR110550	SPLIT DUCT	30.000	L.F.	185.0000	5,550.00
AR115610	ELECTRICAL HANDHOLE	2.000	EACH	10,200.0000	20,400.00
AR125100	ELEVATED RETROREFLECTIVE MARKER	5.000	EACH	261.0000	1,305.00
AR125106	RELOC. ELEV. RETROREFLECTIVE MARKER	37.000	EACH	217.0000	8,029.00
AR125901	REMOVE STAKE MOUNTED LIGHT	12.000	EACH	104.0000	1,248.00
AR125931	REPLACE LIGHT LENSE	18.000	EACH	289.0000	5,202.00
AR125941	ADJUST STAKE MOUNTED LIGHT	12.000	EACH	759.0000	9,108.00
AR150510	ENGINEER'S FIELD OFFICE	1.000	L.S.	17,000.0000	17,000.00
AR150520	MOBILIZATION	1.000	L.S.	137,409.1000	137,409.10
AR152410	UNCLASSIFIED EXCAVATION	15,050.000	C.Y.	21.0000	316,050.00
AR152440	BORROW EXCAVATION	3,800.000	C.Y.	0.0100	38.00
AR152540	SOIL STABILIZATION FABRIC	1,150.000	S.Y.	4.2500	4,887.50
AR156510	SILT FENCE	3,580.000	L.F.	2.2500	8,055.00
AR156520	INLET PROTECTION	10.000	EACH	450.0000	4,500.00
AR156531	EROSION CONTROL BLANKET	7,275.000	S.Y.	0.8000	5,820.00
AR208515	POROUS GRANULAR EMBANKMENT	560.000	C.Y.	64.0000	35,840.00
AR209608	CRUSHED AGG. BASE COURSE - 8"	32,815.000	S.Y.	9.0000	295,335.00
AR401610	BITUMINOUS SURFACE COURSE	4,275.000	TON	105.0000	448,875.00
AR401620	BIT. SURFACE COURSE, LEVELING	90.000	TON	110.0000	9,900.00

ELMS012:DTGB2390:ELMR090
 07/31/21 11:30:49
 LETTING TYPE: AERONAUTICS
 RESPONSIBLE DISTRICT: 01

ILLINOIS DEPARTMENT OF TRANSPORTATION
 CONTRACT SCHEDULE OF AWARDED PRICES

PAGE 2
 LETTING DATE 07/30/2021
 LETTING ITEM NBR 001A
 CONTRACT NBR LK014

COUNTY NAME/CODE	SECTION	PROJECT NUMBER	ROUTE(S)
MCHENRY /111	LAKE IN THE HILLS	317SBGPTBD-3CK /481/4	

PAY ITEM NBR	PAY ITEM DESCRIPTION	QUANTITY	UNIT OF MEASURE	UNIT PRICE	TOTAL PAY ITEM AWARD PRICE
AR401630	BITUMINOUS SURFACE TEST SECTION	1.000	EACH	9,000.0000	9,000.00
AR401650	BITUMINOUS PAVEMENT MILLING	4,250.000	S.Y.	4.0000	17,000.00
AR401900	REMOVE BITUMINOUS PAVEMENT	21,015.000	S.Y.	6.0000	126,090.00
AR403610	BITUMINOUS BASE COURSE	7,415.000	TON	75.0000	556,125.00
AR403630	BITUMINOUS BASE TEST SECTION	1.000	EACH	9,000.0000	9,000.00
AR602510	BITUMINOUS PRIME COAT	9,875.000	GAL.	0.0100	98.75
AR603510	BITUMINOUS TACK COAT	10,615.000	GAL.	0.0100	106.15
AR620520	PAVEMENT MARKING-WATERBORNE	19,180.000	S.F.	1.0500	20,139.00
AR620525	PAVEMENT MARKING-BLACK BORDER	8,990.000	S.F.	1.0500	9,439.50
AR620900	PAVEMENT MARKING REMOVAL	50.000	S.F.	100.0000	5,000.00
AR705526	6" PERFORATED UNDERDRAIN W/SOCK	660.000	L.F.	56.0000	36,960.00
AR705640	UNDERDRAIN CLEANOUT	7.000	EACH	2,110.0000	14,770.00
AR705900	REMOVE UNDERDRAIN	485.000	L.F.	6.0000	2,910.00
AR705904	REMOVE UNDERDRAIN CLEANOUT	7.000	EACH	400.0000	2,800.00
AR901510	SEEDING	10.000	ACRE	2,000.0000	20,000.00
AR908515	HEAVY-DUTY HYDRAULIC MULCH	10.000	ACRE	4,500.0000	45,000.00
CONTRACT TOTAL AWARD					2,294,000.00

*** END OF REPORT ***



REQUEST FOR BOARD ACTION

MEETING DATE: September 21, 2021

DEPARTMENT: Community Development

SUBJECT: Variations to Section 7.4 Residential Bulk Chart at 65 Hilltop Drive

EXECUTIVE SUMMARY

David Manuel is proposing to rebuild a residential structure damaged by fire and water drainage and build an elevated deck to the rebuilt and surviving portions of the structure. The damage is estimated to be greater than 50 percent of the value of the structure; therefore, the property no longer has legal non-conforming status and will need to be rebuilt to meet the current Village Zoning Ordinance. The applicant is proposing the front portion of the house to be rebuilt on an existing foundation which is 2.74' into the required 25' front setback. A variation to the Section 7.4 Residential Bulk chart for R-2 property to allow for a 22.26' front setback is requested to accommodate the rebuild. NOTE: Plans indicate the requested 22.26' and existing foundation at this location; however, staff recommendation and Planning and Zoning Commission recommendation both referenced a 22.6' front setback due to scrivener's error.

Given the proposed configuration of the house, access to the sides or rear of the house or lot would not be possible with current zoning regulations as stairs over four feet in height are considered obstructions within a required setback and are not practical. The applicant is proposing decking to access the side and rear of the house. The decking would make use of existing concrete steps and would intrude 7'11" into the required 10' side setback. Therefore, a variation to the Section 7.4 Residential Bulk chart for R-2 property to allow for a 2'1" side setback on the north side lot line is requested to accommodate the proposed decking.

The Planning and Zoning Commission conducted a public hearing on August 16, 2021. However, at the request of the petitioner, no action was taken and the public hearing was continued until September 13, 2021 to accommodate petitioner's edits to submitted plans. The Commissioners voted 5-0 to recommend approval of the requested variations to Section 7.4 Residential Bulk Chart on September 13, 2021. The approval included the following staff-recommended condition;

Proposed fire-resistance measures, including type of materials, application, and location/expanse of the fire-rated portion of the deck, are found by the Village building code official to qualify as fire-rated by the current building code and eligible for a 2' setback, as opposed to the 5' setback required for non-fire rated structures.

NOTE: This is the condition presented to and adopted by the Planning and Zoning Commission. However, the condition is best stated as a future condition as opposed to affirmation of an existing action or state, using "will need to be found" as opposed to "are found". Therefore, the condition has been adjusted for the Village Board as stated below in the recommendation to the Village Board.

FINANCIAL IMPACT

None

ATTACHMENTS

1. Staff Report
2. Application
3. Exhibits
4. Ordinance

RECOMMENDED MOTION

Motion to approve an Ordinance for variations to Section 7.4 Residential Bulk Chart R-2 Zoning District front and side yard setbacks to allow for a 22.26' front setback and a 2'1" northside setback, at 65 Hilltop Drive, Parcel #19-20-455-040, with the following condition;

- 1) Proposed fire-resistance measures, including type of materials, application, and location/expanse of the fire-rated portion of the deck, will need to be found by the Village building code official to qualify as fire-rated by the current building code and eligible for a 2' setback, as opposed to the 5' setback required for non-fire rated structures.



REQUEST FOR PUBLIC HEARING AND COMMISSION ACTION

PLANNING AND ZONING COMMISSION

MEETING DATE: September 13, 2021

DEPARTMENT: Community Development

SUBJECT: Variations to Section 7.4 Residential Bulk Chart R-2 Zoning District front and side yard setbacks at 65 Hilltop Drive

EXECUTIVE SUMMARY

General Information

Requested Action: David Manuel requests variations to Section 7.4 Residential Bulk Chart R-2 Zoning District front and side yard setbacks at 65 Hilltop Drive to allow for structural rebuild and construction of elevated deck.

Owner: David Manuel

Applicant: David Manuel

Purpose: Rebuild damaged structure on existing foundation and build elevated deck and associated stairs and access.

Location and Size: 65 Hilltop Drive – approximately 15,140 sq. ft.

Zoning and Land Use:

Site:	R-2 One Family Dwelling/Residential
North:	R-2 One Family Dwelling/Residential
East:	R-2 One Family Dwelling/Residential
South:	R-2 One Family Dwelling/Residential
West:	Woods Creek Lake
Future Land Use:	Low-Density Residential (3.5+ to 4.5 units/ac)

Background

The applicant proposes to rebuild a structure damaged by water drainage on the existing foundation, to build an elevated deck and associated stairs, and access to the rebuilt and surviving portions of the structure. The damage is estimated to be greater than 50 percent of the value of the structure; therefore, the property no longer has legal non-conforming status and will need to be rebuilt to meet the current Village Zoning Ordinance. Where those sections of the zoning ordinance are not met, variations would be needed. The applicant is proposing the front portion of the house to be rebuilt on an existing foundation which is 2'10"

into the required 25' front setback. A variation to the Section 7.4 Residential Bulk chart for R-2 property to allow for a 22' front setback is requested to accommodate the rebuild.

Given the proposed configuration of the house access to the sides or rear of the house or lot would not be possible with current zoning regulations as stairs over four feet in height are considered obstructions within a required setback and are not allowed. The applicant is proposing decking to access the side and rear of the house. The decking would make use of existing concrete steps and would intrude 7'11" into the required 10' side setback. Therefore, a variation to the Section 7.4 Residential Bulk chart for R-2 property to allow for a 2'1" side setback on the north side lot line is requested to accommodate the proposed decking.

The Planning and Zoning Commission may recommend and the Board of Trustees shall permit a variation of the provisions of this Zoning Code, as authorized in this Section, only if the evidence, in the judgement of the Village sustains each of the following three conditions:

A. The property in question cannot yield a reasonable return if permitted to be used only under the conditions allowed by the regulations governing the district in which it is located;

The applicant indicates current regulations would require extra and unnecessary demolition and alteration to the existing foundation and additional costs would be incurred which would not allow for a reasonable return of the investment necessary to rebuild the house. The applicant also indicates the reliance on steps only to access the house would incur additional costs, further disallowing a reasonable return on the rebuilt investment.

Staff finds pouring a new foundation and relying exclusively on steps would be cost-prohibitive and would likely not allow for a reasonable return on the investment necessary to build/rebuild on the excessive slopes inherent in this property. In addition, exclusive reliance on steps to access a structure on the existing foundation would be cost-prohibitive as the number of steps required would likely not be allowed with the north side lot line setback. A narrower deck could be constructed and still serve as access to the house; however, the proposed deck allows for easier handicap access.

B. The plight of the owner is due to unique circumstances;

The applicant indicates the existing grade at the front of the house has allowed water to drain towards the structure and has caused substantial damage and facilitates the rebuild. There is a substantial grade drop across the property.

Staff finds the property to have unique circumstances. The lot has considerable grade changes and steep slopes. Utilization of the existing foundation requires stairs beyond those allowable by the current zoning regulations on the north side of the house or decking along the north side to gain access. Both methods of access require a variation. The proposed decking addresses these circumstances. A narrower deck could be constructed and still serve as access to the house; however, the proposed deck allows for easier handicap access.

C. The variation, if granted, will not alter the essential character of the locality;

The applicant indicates the character of the locality will not be altered as the non-conformity of the existing foundation location will not be altered. The design would maintain the existing single story look at the street side. The proposed home will retain the character of other hilltop lake houses.

Staff finds the essential character of the property will remain residential and would not alter the character of the locality. There are other properties in this area with topography, steep slopes, stairs, and decking. The residential property two lots to the north has steep slopes requiring use of the adjacent lot for driveway access.

The adjacent property is wooded with the access drive being the only improvement. This provides a substantial buffer from the proposed decking. Given the size of the lots, topographic constraints and need for side access to the home two lots to the north, it is unlikely the adjacent lot to the north will ever be developed as another home. The 2012 building code requires a 5' separation for non-fire-rated decking to the side property line and a 2' separation for fire-rated decking. The applicant is proposing fire-rated decking where closer to the property line than 5'.

For the purpose of supplementing the above standards, the Village, in making this determination whenever there are practical difficulties or particular hardship, also shall take into consideration the extent to which the following facts, favorable to the applicant, have been established by the evidence:

D. That the particular physical surroundings, shape or topographical conditions of the specific property involved would bring a particular hardship upon the owner as distinguished from a mere inconvenience if the strict letter of the regulation were to be carried out;

The applicant indicates the site conditions limit the ability to alter the foundation of the home. Costly construction equipment and methods would be needed to alter the foundation configuration. The use of steps to mitigate topography changes would be an impractical method of accessing the home.

Staff finds the property to have steep slopes and topographic constraints. In addition, the property located in an R-2 zoning district and does not meet the minimum road frontage requirements. Therefore, R-2 setbacks are being applied to smaller lot than required for this district. This combination of conditions brings a construction hardship upon the owner beyond mere inconvenience. A narrower deck could be constructed and still serve as access to the house; however, the proposed deck allows for easier handicap access.

E. That the conditions upon which the petition for variation is based would not be applicable generally to other property within the same zoning classification; or

The applicant indicates their lot is unique due to its close location to the side lot line and the existing nonconforming location of the foundation.

Staff finds the property to be unique to R-2 zoned property. The lot has considerable topographic constraints which can be considered similar to other lots along the lake, however; other properties in the neighborhood have fewer constraints and better access. Many properties with an R-2 zoning classification in the Village do not have steep slopes and do meet the minimum requirements of the R-2 zoning. A narrower deck could be constructed and still serve as access to the house; however, the proposed deck allows for easier handicap access.

F. That the purpose of the variation is not based exclusively upon a desire to make more money out of the property.

The applicant indicates the purpose of the variation is to re-build a damaged structure on the existing foundation and to provide access to the home using decking instead of stairs.

Staff finds the variation would allow the home to be rebuild on the existing foundation, which represents the most practical method of reconstruction. Using decking to access the house, as opposed to multiple stairs to address multiple grades along the house would be impractical and less safe. The purpose of the variation would be to reconstruct a damaged home which would otherwise could face demolition and represent too great of a challenge to reconstruct given the site constraints. A narrower deck could be constructed and still serve as access to the house; however, the proposed deck allows for easier handicap access.

G. That the alleged difficulty or hardship has not been created by any person presently having interest in the property.

The applicant indicates the site difficulties were present before purchase of the home.

Staff finds the hardship was created when the lot was originally platted and when the house was initially constructed and not by the current owners.

ATTACHMENTS

1. Application
2. Site Plan and Drawings
3. Zoning Map
4. Future Land Use Map
5. Aerial Photo
6. Site Photos

RECOMMENDED ACTION

Planning and Zoning Commission recommend approval to the Village Board for a Variation to Section 7.4 Residential Bulk Chart R-2 Zoning District front and side yard setbacks at 65 Hilltop Drive, Parcel #19-20-455-040, to allow for home reconstruction on the existing foundation with a 22.6' front setback and for proposed decking with a 2'1" northside setback, with the following condition;

- 1) Proposed fire-resistance measures, including type of materials, application, and location/expanse of the fire-rated portion of the deck, are found by the Village building code official to qualify as fire-rated by the current building code and eligible for a 2' setback, as opposed to the 5' setback required for non-fire rated structures.



PLANNING & ZONING APPLICATION

Property Information

Common street address: 65 Hilltop Dr. Lake In The Hills, IL 60156

PIN (Property Index Number): 19-20-455-040

Current Zoning: R2

Proposed Zoning: R2

Current Use: Residential

Proposed Use: Residential

Is the request consistent with the Comprehensive Plan? _____

Number of Acres: - 0.5 If greater than 4 acres, 2 acres for government property or 5 acres for manufacturing zoned land, application shall be processed as a Planned Development as a Conditional Use. See definition of Planned Development and PD Section of Zoning Ordinance.

Legal description of the property (print or attach exhibit): _____

Property Owner Information

Name(s): David Manuel

Business/Firm Name (if applicable): _____

Address: 65 Hilltop Dr. Lake In The Hills, IL 60156

City/State/Zip: _____

Phone Number: 312-813 3390

Email: david.j.manuel@yahoo.com

Applicant Information

Name(s): "

Business/Firm Name (if applicable): "

Address: "

City/State/Zip: "

Phone Number: "

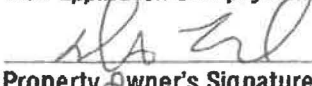
Email: "


PLANNING & ZONING APPLICATION

Page Two

1	2	3	4	5	6
Request	Select Request with "X"	Required Fee ac = acre	For Requirements See Appendix	Public Hearing Required See Appendix A2	Total Fee (enter amount per column 3)
Annexation		\$1,000/ac payable upon annexation	D	Yes	
Sketch Plan		\$0	E	No	
Tentative Plan		\$500 + \$10/ac	F	No	
Final Plat		\$500 + \$10/ac	G	No	
Plat of Vacation and/or Resubdivision Plat		\$500 + \$10/ac	H	No	
Conditional Use		\$500 + \$10/ac over 2 ac	I	Yes	
Rezoning		\$500 + \$10/ac over 2 ac	J	Yes	
Text Amendment		\$500	K	Yes	
Variance – Residential		\$100	L	Yes	\$ 100
Variance – Non-Residential		0-2 ac = \$250 Over 2 ac = \$500	L	Yes	
Development Plan Review		\$500 + \$10/ac	M	No	
Total Fees – add column 6 (Separate Check)					\$ 100
Additional Fees					
Stormwater Permit Application Fee to be paid at time of permit issuance (Separate Check) Minor = \$250 Intermediate or Major = \$1,000					
Reimbursement of Fees Required Appendix B = \$2,000 + \$100/acre for every acre over 5 acres (Separate Check)					

If the Village provides a sign to publicize a public hearing related to this application, the applicant accepts responsibility to ensure the sign is returned within one week after completion of the hearing. The applicant further agrees that if the sign is not returned, they will compensate the Village \$75.00 to allow for a replacement of the lost sign and agrees the Village may withhold approval of their application until payment is received.


7/23/21
 Property Owner's Signature Date


7/23/21
 Applicant's Signature Date

If Owner/Applicant is a School District please, fill out and submit Appendix N

All required appendices and documentation shall be submitted with this application. Incomplete applications will not be processed.

1. Please indicate the variation that is being sought, include section(s) and paragraph(s) of the Zoning Ordinance and any dimension(s) and a brief description of the proposed use, construction or development that prompted the request:

This variance has two parts that are being requested:

A) To permit a portion of the house to be rebuilt on an existing foundation encroaching 2'-10" into the required 25'-0" front yard setback. This would change the front yard setback from 25'-0" to 22'-0" and allow for the rebuilding of the existing structure on the current foundation. Existing site conditions and construction methods of the current structure have led to irreparable damage that requires repair. The variance would allow for the structure to be updated and improved to better match the rest of the residence, while reusing the existing foundation

B) To permit an elevated deck to encroach 7'-11" into the required 10'-0" side yard setback. This would place the closest portion of the deck 2'-1" away from the property line. This will allow the deck to accommodate the accessibility needs of the client while reducing the elevation changes required to access the residence.

While the code allows for a landing and steps for access to the residence, those steps would be required to go directly to grade. This variance will allow the landing to extend along the side of the residence and meet the existing grade. This will reduce the total number of steps required to enter the residence and eliminate the need to step down with grade just to step back up to enter the residence.

This variance will also allow this entry deck to continue past the entry door and connect with the rest of the deck system. This connection keeps the deck as one coherent surface and aids in the accessibility for the Owners and their needs. The width of the deck, that would be allowed with this variance, is to provide ease of access and greater maneuverability for the Owners and is aimed at helping meet their needs that are present from their current disabilities. Needs such as assisted walking, wheelchairs, and intermittent EMT/paramedic assistance.

We recognize allowing the deck to encroach the requested amount will trigger some required fire-proofing. The plans now detail and call out for the Deck to be built of fire-retardant treated wood or have a fire retardant coating applied.

Variation to Section 7.4 Residential Bulk Chart R-2 Zoning District front and side yard setback requirements.

Standards and Findings of Facts for a Variance per Section 23.7 of the Zoning Ordinance

The Planning and Zoning Commission may recommend and the Board of Trustees shall permit a variation of the provisions of this Zoning Code, as authorized in this Section, only if the evidence, in the judgement of the Village sustains each of the following three conditions:

1. The property in question cannot yield a reasonable return if permitted to be used only under the conditions allowed by the regulations governing the district in which it is located. **Explain how this standard is met.**

A) The current regulations would require extra and unnecessary demolition and alteration to the existing foundation to bring the structure within compliance. These changes would require additional costs that would not translate into a reasonable return while reducing the overall square footage of the residence.

B) The current regulations would require an additional 14 steps for access into the building. 7 additional down steps then followed by 7 up steps. This required up down path is burdensome and would translate to less than a reasonable return. An awkward more exhausting path of travel into the residence would reduce return and require more cost in the installation of accessibility aids. Such a chair lifts.

2. The plight of the owner is due to unique circumstances. **Explain how this standard is met.**

A) The existing grade at the current garage provided for water to drain directly into the garage. As a result of this existing drainage, the wooden floor system had suffered substantial rot and damage. This damage facilitates the demolition, and repair/rebuild of the structure. The existing structure is a nonconforming structure that sits approx. 2'-9.¾" over the front yard setback.

B) Both owners have current disabilities that require the frequent use of a wheelchair, assisted walking, & occasional paramedic assistance. The required use of a wheelchair and other specialized equipment, of the owners, necessitates larger clearances, more room for maneuverability, and simpler paths & access to the property.

3. The variation, if granted, will not alter the essential character of the locality. **Explain how this standard is met.**

A) The character will not be altered since we are not increasing the non-conformity just rebuilding and improving the existing non-conforming structure. The design maintains the existing single story look at the street side that is currently there.

B) The essential character of lake houses built into and atop hills will be retained. The proposed deck addresses the site conditions while providing that unique elevated wrap around deck that one can only get from a lake house on a hill

For the purpose of supplementing the above standards, the Village, in making this determination whenever there are practical difficulties or particular hardship, also shall take into consideration the extent to which the following facts, favorable to the applicant, have been established by the evidence:

4. That the particular physical surroundings, shape or topographical conditions of the specific property involved would bring a particular hardship upon the owner as distinguished from a mere inconvenience if the strict letter of the regulation were to be carried out. **Explain how this standard is met.**

A) The given site conditions would severely limit the number and type of equipment that could be used in altering the existing foundation. Both the rapidly descending grade and proximity to the property line contribute to this limitation. To overcome this limitation alternative and more costly methods would be required to bring the structure into compliance.

B) The rapidly descending grade of the property significantly contributes to limiting and complicating access to the residence. The regulations would require 14 additional steps for a net change in elevation of 0" just to enter the building. These extra steps will only make the residence less accessible for the Owners. The regulations also do not allow for the extra clearances and maneuverability the Owners are seeking to aid with their daily life and accommodation of their disabilities.

5. That the conditions upon which the petition for variation is based would not be applicable generally to other property within the same zoning classification. **Explain how this standard is met.**

A) The nonconforming nature of the existing structure is unique to this property and can't be applied to other properties.

B) While other properties may also have significant grade drops, it's the buildings close location to the side lot line and the presence of the Owner's disabilities that make this unique and not applicable to other properties

6. That the purpose of the variation is not based exclusively upon a desire to make more money out of the property. **Explain how this standard is met.**

A) The desire is to re-build the damaged structure on the existing foundation. The structure would be rebuilt with the same, look, materials, and feel no matter the foundation it sat upon. Whether an all existing foundation or modified to conform foundation is used, the structure would turn out very much the same.

B) The desire is to provide large easy to maneuver walkways to accommodate the needs of the Owners disabilities.

7. That the alleged difficulty or hardship has not been created by any person presently having interest in the property. **Explain how this standard is met.**

A) This difficulty existed prior the purchase of the property by the Owners.

B) This hardship is solely that of the Owners and aimed at improving their quality of life

8. That the granting of the variation will not be detrimental to the public welfare or injurious to other property or improvements in the neighborhood in which the property is located. **Explain how this standard is met.**

A) Granting this variation will not be detrimental since it is not increasing the size of the existing non conformity and it allows for the improvement and updating of the existing damaged structure to modern codes and safety guidelines.

B) Granting this variation will not be detrimental as it keeps the deck solely with in the Owners property and will be built to modern codes and stands. I.E. Fire-retardant construction of the deck as prescribed by the 2012 IRC R302.

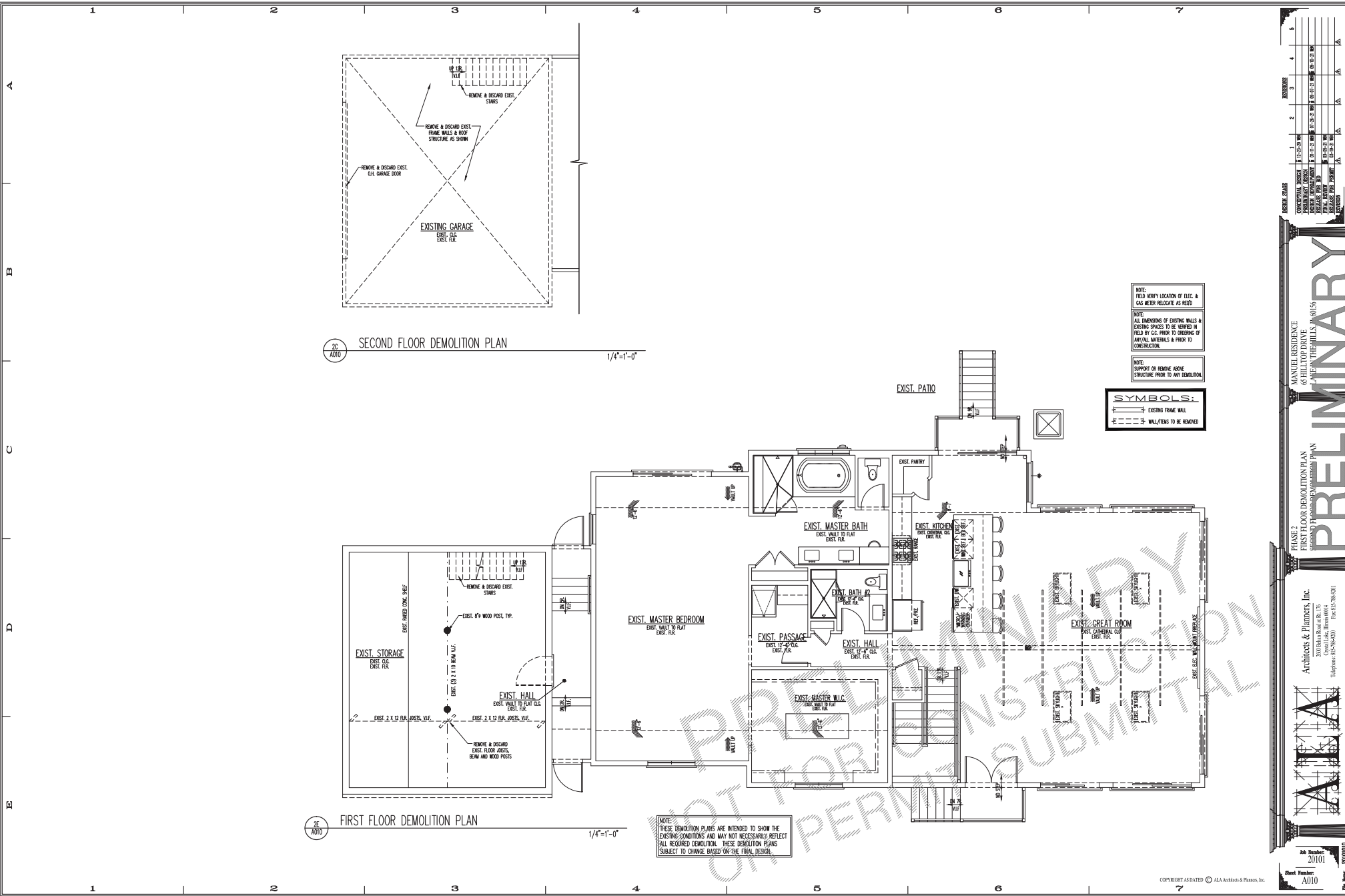
9. That the proposed variation will not impair an adequate supply of light and air to adjacent property, or substantially increase the danger of fire, or otherwise endanger the public safety, or substantially diminish or impair property values within the neighborhood. **Explain how this standard is met.**

A) This standard is met by updating the construction of the current structure to modern codes while maintaining the same nonconforming footprint. By keeping it a one story element it allows for similar light and air as the previous structure. It also helps improve the curb appeal and at the very least maintain the surrounding property values.

B) The inherent nature and lesser scale of a deck, when compared to a house, ensures that the supply of air will not be impeded. Given the deck is on the north side of the residence, it will not impair the supply of light to the north any more than the existing residence already does. The deck is in the shadow of the residence. The deck will be constructed of fire-retardant treated wood or have a fire retardant coating applied to mitigate any increase in the danger of fire.

Applicant's Signature Date

Property Owner's Signature Date



20
A010

SECOND FLOOR DEMOLITION PLAN

1/4"=1'-0"

20
A010

FIRST FLOOR DEMOLITION PLAN

1/4"=1'-0"

NOTE:
THESE DEMOLITION PLANS ARE INTENDED TO SHOW THE EXISTING CONDITIONS AND MAY NOT NECESSARILY REFLECT ALL REQUIRED DEMOLITION. THESE DEMOLITION PLANS SUBJECT TO CHANGE BASED ON THE FINAL DESIGN.

- NOTE:
FIELD VERIFY LOCATION OF ELEC. & GAS METER RELOCATE AS NEED
- NOTE:
ALL DIMENSIONS OF EXISTING WALLS & EXISTING SPACES TO BE DEMED IN FIELD BY GC. PRIOR TO DEMING OF ANY/ALL MATERIALS & PROOF TO CONSTRUCTION.
- NOTE:
SUPPORT OR REMOVE ABOVE STRUCTURE PRIOR TO ANY DEMOLITION.

SYMBOLS:
 ———— EXISTING FRAME WALL
 - - - - - WALLS/ITEMS TO BE REMOVED

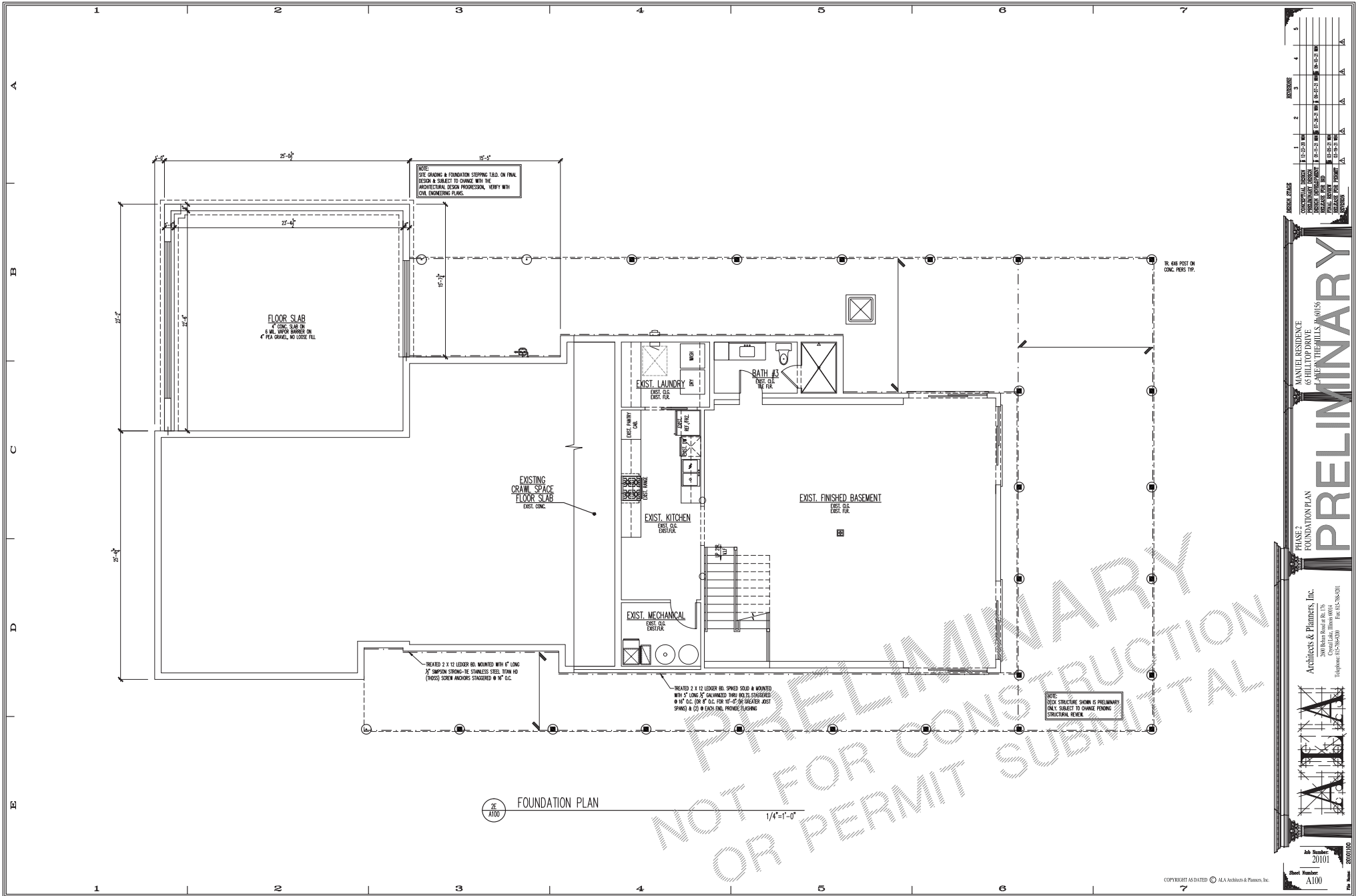
ARCHITECTS & PLANNERS, INC.
 2000 KANSAS STREET, SUITE 175
 CRYSTAL LAKE, ILLINOIS 60154
 TELEPHONE: 815-596-9200 FAX: 815-596-9201

PHASE 2
 FIRST FLOOR DEMOLITION PLAN
 65 HILLTOP DRIVE
 LEMONT, ILLINOIS 60439

PRELIMINARY

Job Number: 20101
 Sheet Number: A010

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NOTE:
 SITE GRADING & FOUNDATION SETTING T.B.O. ON FINAL
 DESIGN & SUBJECT TO CHANGE WITH THE
 ARCHITECTURAL DESIGN PROGRESSION, VERIFY WITH
 CIVIL ENGINEERING PLANS.

FLOOR SLAB
 4" CONC. SLAB ON
 4" ALL. SAND BARBER ON
 4" FEA GRAVEL, NO LOOSE FILL.

EXISTING CRAWL SPACE
 FLOOR SLAB
 EXIST. CONC.

EXIST. MECHANICAL
 EXIST. DUCT
 EXIST. FAN

EXIST. KITCHEN
 EXIST. DUCT
 EXIST. FAN

EXIST. LAUNDRY
 EXIST. DUCT
 EXIST. FAN

BATH #3
 EXIST. DUCT
 EXIST. FAN

EXIST. FINISHED BASEMENT
 EXIST. FLOOR

TREATED 2" X 12 LEADER BE. MOUNTED WITH 4" LONG
 2" SIMPSON STRONG-TIE STAINLESS STEEL BRN HD
 (THISS) SCREW ANCHORS STAGGERED @ 16" O.C.

TREATED 2" X 12 LEADER BE. SPIND SOLID & MOUNTED
 WITH 4" LONG 2" GALVANIZED THIN WALL STUDS
 @ 16" O.C. (OR 4" O.C. FOR 10'-0" OR GREATER JOIST
 SPANS) & (2) @ EACH END PROVIDE FLASHING

NOTE:
 SECK STRUCTURE SHOWN IS PRELIMINARY
 ONLY SUBJECT TO CHANGE PENDING
 STRUCTURAL REVIEW.

FOUNDATION PLAN
 26
 A100

1/4"=1'-0"

REVISIONS	
NO.	DESCRIPTION
1	11-22-24
2	11-22-24
3	11-22-24
4	11-22-24
5	11-22-24

PRELIMINARY

PHASE 2
 FOUNDATION PLAN

MANUEL RESIDENCE
 65 HILLTOP DRIVE
 LAFAYETTE, THE HILLS, MO 64151

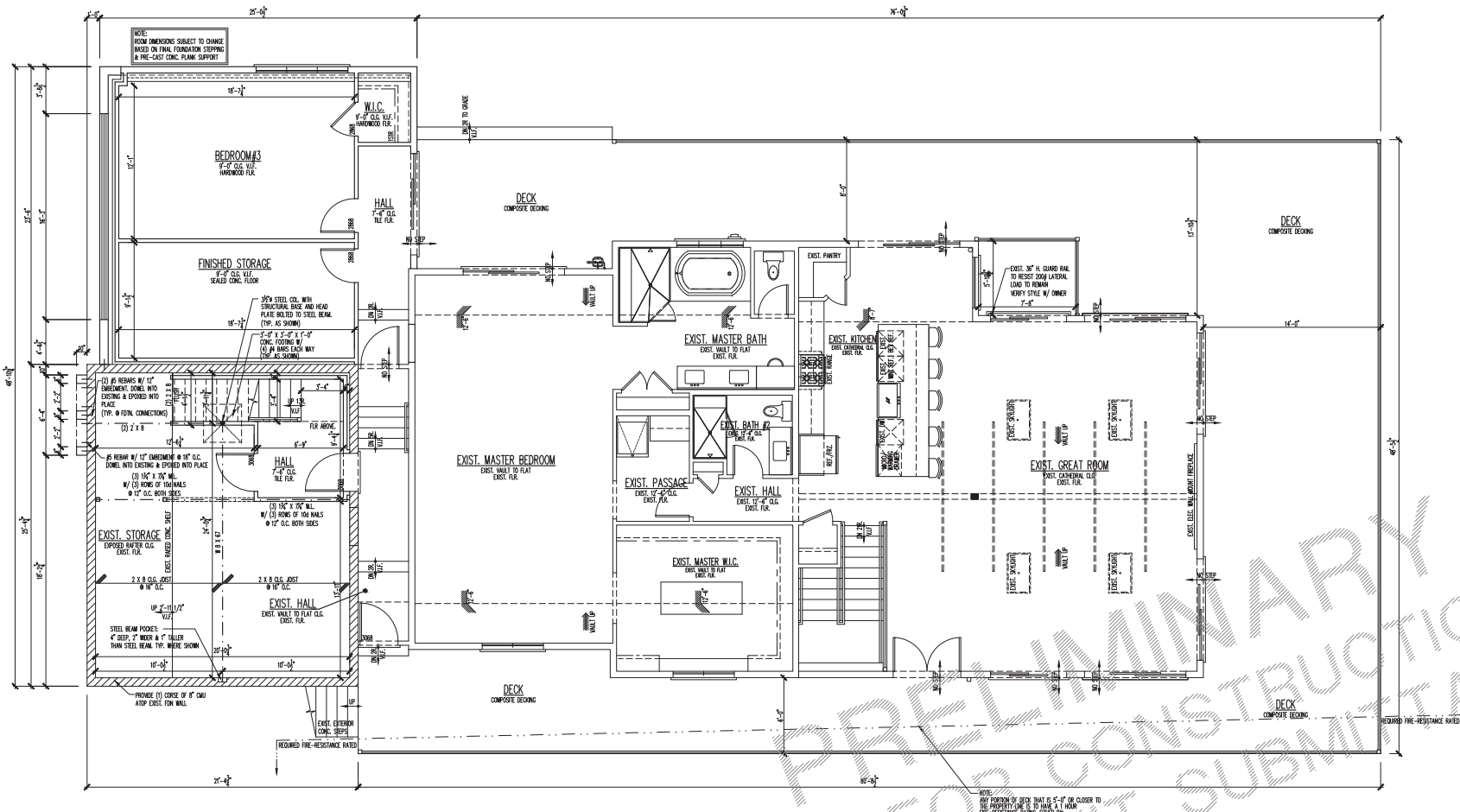
Architects & Planners, Inc.
 2000 Westwood at 60, LVS
 Crystal Lake, Illinois 60144
 Telephone: 630-586-2200 Fax: 630-586-2701

Job Number
 20101

Sheet Number
 A100

DATE: 2010/10/10

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NOTE:
ROOM DIMENSIONS SUBJECT TO CHANGE
BASED ON FINAL FOUNDATION SETTING
& PRE-CAST CONCRETE PLUMB SUPPORT

NOTE:
ANY PORTION OF DECK THAT IS 5'-0" OR CLOSER TO
THE PROPERTY LINE OR TO ANY 4'-0" HIGH
FIRE-RESISTANCE RATING DIVID BY
ALL CONSTRUCTION OF FIRE-RETARDANT-TREATED WOOD
(A) HAVE A FLAME-RETARDANT COATING APPLIED

26
A101 FIRST FLOOR PLAN

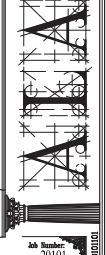
1/4"=1'-0"

NO.	REVISION	DATE
1	ISSUE FOR PERMIT	11-22-24
2	ISSUE FOR PERMIT	11-22-24
3	ISSUE FOR PERMIT	11-22-24
4	ISSUE FOR PERMIT	11-22-24
5	ISSUE FOR PERMIT	11-22-24

PHASE 2
FIRST FLOOR PLAN
MANUEL RESIDENCE
45 HILLOP DRIVE
LAUREL, THE HILLS, MO 64151

PRELIMINARY

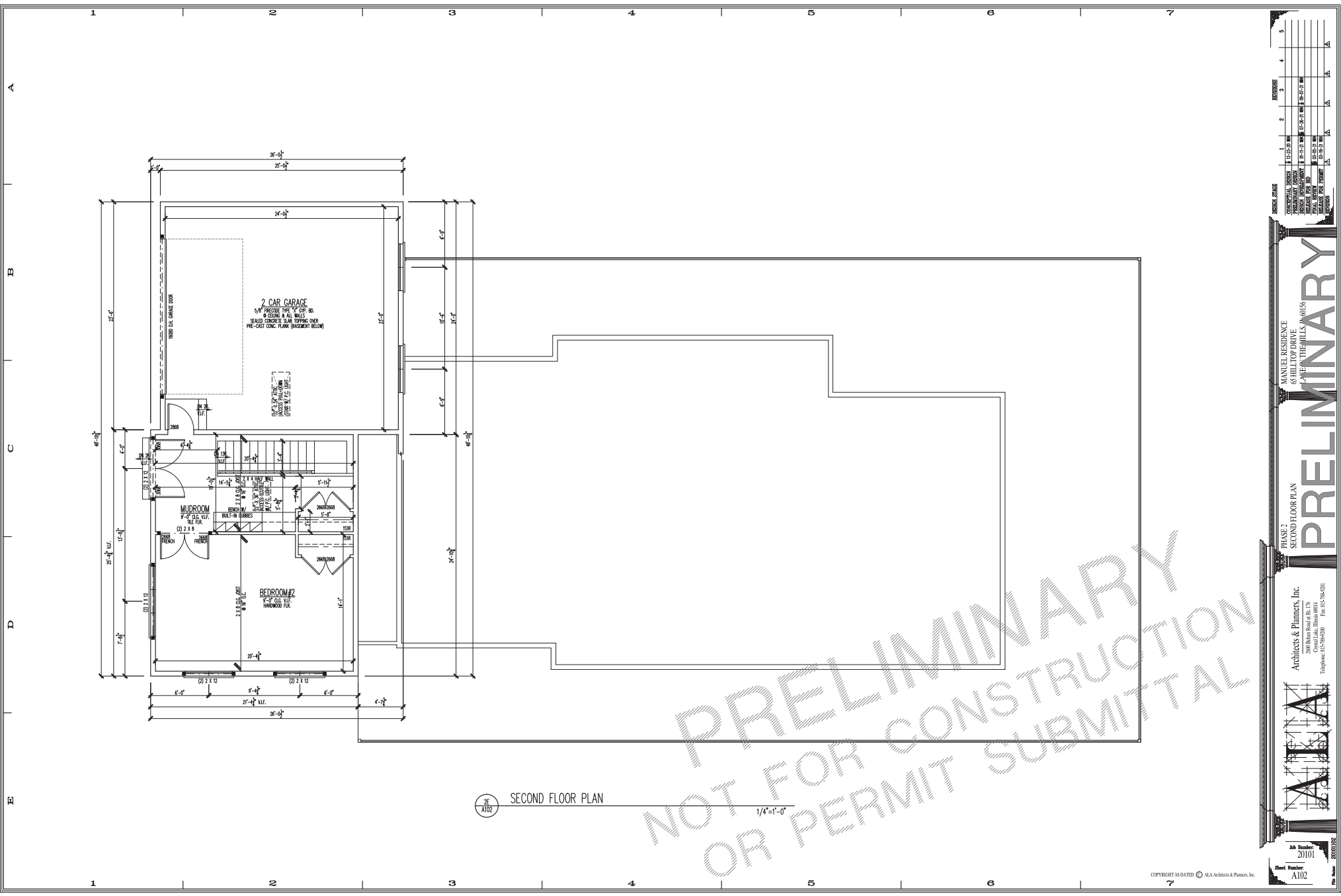
Architects & Planners, Inc.
3000 Walnut Street, Suite 1775
Crystal Lake, Illinois 60144
Telephone: 815-566-2300 Fax: 815-566-2701



Job Number
20101

Sheet Number
A101

11/22/24



2 CAR GARAGE
 5'-0" FINISHED SPEC. 1/2" GYPS. BO.
 ○ CEILING & ALL WALLS
 FINISHED CONCRETE SLAB TYPING OVER
 PRE-CAST CONC. PLANK (BASEMENT BELOW)

MUDROOM
 9'-0" O.C. VLF.
 1/2" GYPS. BO.
 BENCH W/ 6 DRAWERS
 (2) 2' X 4'

BEDROOM #2
 8'-0" O.C. VLF.
 1/2" GYPS. BO.
 HARDWOOD FLS.

2/A102

SECOND FLOOR PLAN

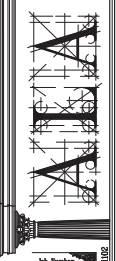
1/4"=1'-0"

PRELIMINARY
 NOT FOR CONSTRUCTION
 OR PERMIT SUBMITTAL

NO.	REVISIONS	DATE
1	ISSUE FOR PERMIT	11-22-24
2	ISSUE FOR PERMIT	11-22-24
3	ISSUE FOR PERMIT	11-22-24
4	ISSUE FOR PERMIT	11-22-24
5	ISSUE FOR PERMIT	11-22-24

PHASE 2
 SECOND FLOOR PLAN
 MANUEL RESIDENCE
 65 HILLTOP DRIVE
 LAFAYETTE, THE HILLS, ALA 36115

Architects & Planners, Inc.
 2000 Water Street, Suite 100, T-75
 Crystal Lake, Illinois 60154
 Telephone: 815-584-2300 Fax: 815-584-2301



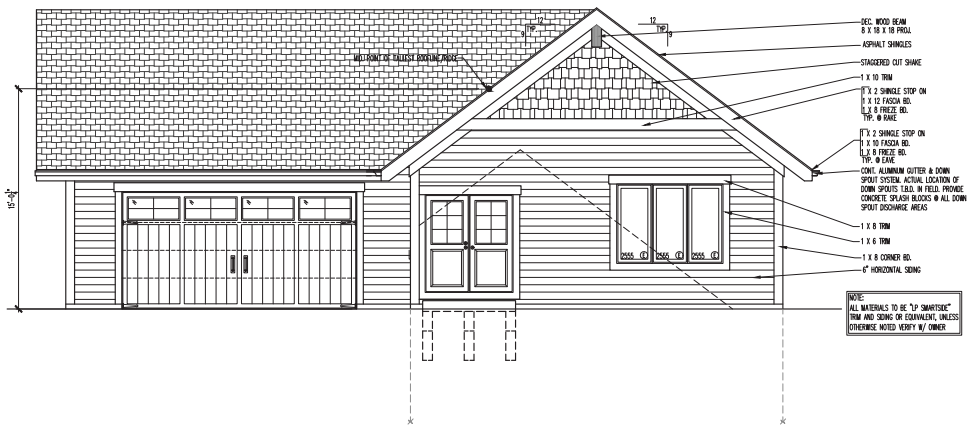
Job Number
 20101
 Sheet Number
 A102



10
A200

REAR ELEVATION

1/4"=1'-0"



4C
A200

FRONT ELEVATION

1/4"=1'-0"

ELEVATION NOTES

- * DO NOT SCALE ELEVATIONS. VERIFY WALL HEIGHTS WITH PLANS, CONTACT ARCHITECT WITH ANY DISCREPANCIES
- * WHEN INTERSECTING TWO ROOF PLANES WITH DIFFERENT ROOF PITCHES, BLOCK TOP OF STUD WALL OR BEAM AS REQUIRED TO ALLOW FASCIAS TO LINE UP BEHINDING A COMMON EAVE DESIGN.
- * SEE ROOF PLAN FOR TYPICAL EAVE AND RADE DISTANCES UNLESS OTHERWISE NOTED ON ELEVATIONS
- * IF ROSE AND SPOFFIT VENTS PROVIDE LESS THAN THE CODE MINIMUM, ADD GUY VENTS AS NEEDED TO THE REAR AND SIDE ELEVATIONS

WINDOW NOTES

- * ALL WINDOWS ARE DESIGNATED IN RADIUS OPENING, SHOWN IN FEET & INCHES. EXAMPLE: 2'-5" x 3'-5" (TO BE MET WITHIN 1/8" OR EXCEEDED), DEPENDING ON MFG.
- EDGEWIND WINDOW =
- TEMPERED GLASS WINDOW =
- FIXED WINDOW =

REMODELING NOTES

- * WHEN ALONGING NEW ROOF PLANES WITH EXISTING, VERIFY EXISTING ROOF PITCH IN FIELD PRIOR TO PURCHASE OR ORDERING OF ROOFING STRUCTURAL AND FINISHING MATERIALS.
- * ALL NEW SINGING TO MATCH EXISTING UNLESS OTHERWISE NOTED, VERIFY WITH OWNER.
- * ALL NEW FASCIA, FREEZE AND SOFFITS TO MATCH EXISTING UNLESS OTHERWISE NOTED, VERIFY WITH OWNER.
- * VERIFY SIZE OF WINDOWS IN FIELD PRIOR TO PURCHASE.
- * ALL BEARING WALLS BE PROVIDED ONE EDGEWIND WINDOW PER 100 SQ. FT. LOCAL CODE, VERIFY LOCATION WITH OWNER AND OWNER.

PRELIMINARY
NOT FOR CONSTRUCTION
OR PERMIT SUBMITTAL

PHASE 2
FRONT ELEVATION
MANUEL RESIDENCE
45 HILLTOP DRIVE
LAUREL HILLS, INDIANA

Architects & Planners, Inc.
3000 West State St. Rm. 175
Crested Lake, Illinois 60014
Telephone: 815-786-9200 Fax: 815-786-9201

Job Number: 20101
Sheet Number: A200

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20
A201 RIGHT SIDE ELEVATION

1/4"=1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION
OR PERMIT SUBMITTAL



NO.	DESCRIPTION	DATE
1	PRELIMINARY DESIGN	11-22-20
2	PERMIT APPLICATION	12-22-20
3	PERMIT	01-22-21
4	CONSTRUCTION	02-22-21
5	FINAL	03-22-21

PHASE 2
RIGHT SIDE ELEVATION

MANUEL RESIDENCE
65 HILLTOP DRIVE
LAKEVIEW, THE HILLS, ILLINOIS

PRELIMINARY

Architects & Planners, Inc.
3000 Lakeshore Dr., 17th
Crystal Lake, Illinois 60144
Telephone: 815-596-2300 Fax: 815-596-2301

ALA

Job Number: 20101
Sheet Number: A201

2010/2011

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20
A202 LEFT SIDE ELEVATION

1/4"=1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION
OR PERMIT SUBMITTAL

NO.	DATE	DESCRIPTION
1	11-22-04	PROVISIONAL DESIGN
2	12-22-04	PROVISIONAL DESIGN
3	01-22-05	PROVISIONAL DESIGN
4	02-22-05	PROVISIONAL DESIGN
5	03-22-05	PROVISIONAL DESIGN
6	04-22-05	PROVISIONAL DESIGN
7	05-22-05	PROVISIONAL DESIGN
8	06-22-05	PROVISIONAL DESIGN
9	07-22-05	PROVISIONAL DESIGN
10	08-22-05	PROVISIONAL DESIGN

PHASE 2
LEFT SIDE ELEVATION

PRELIMINARY

MANUEL RESIDENCE
65 HILLTOP DRIVE
NEAR THE HILLS, MINN.

Architects & Planners, Inc.
3000 Kean Street, Rm. 175
Crystal Lake, Illinois 60144
Telephone: 815-586-2300 Fax: 815-586-2311

AA

Job Number
20101

Sheet Number
A202

20101002

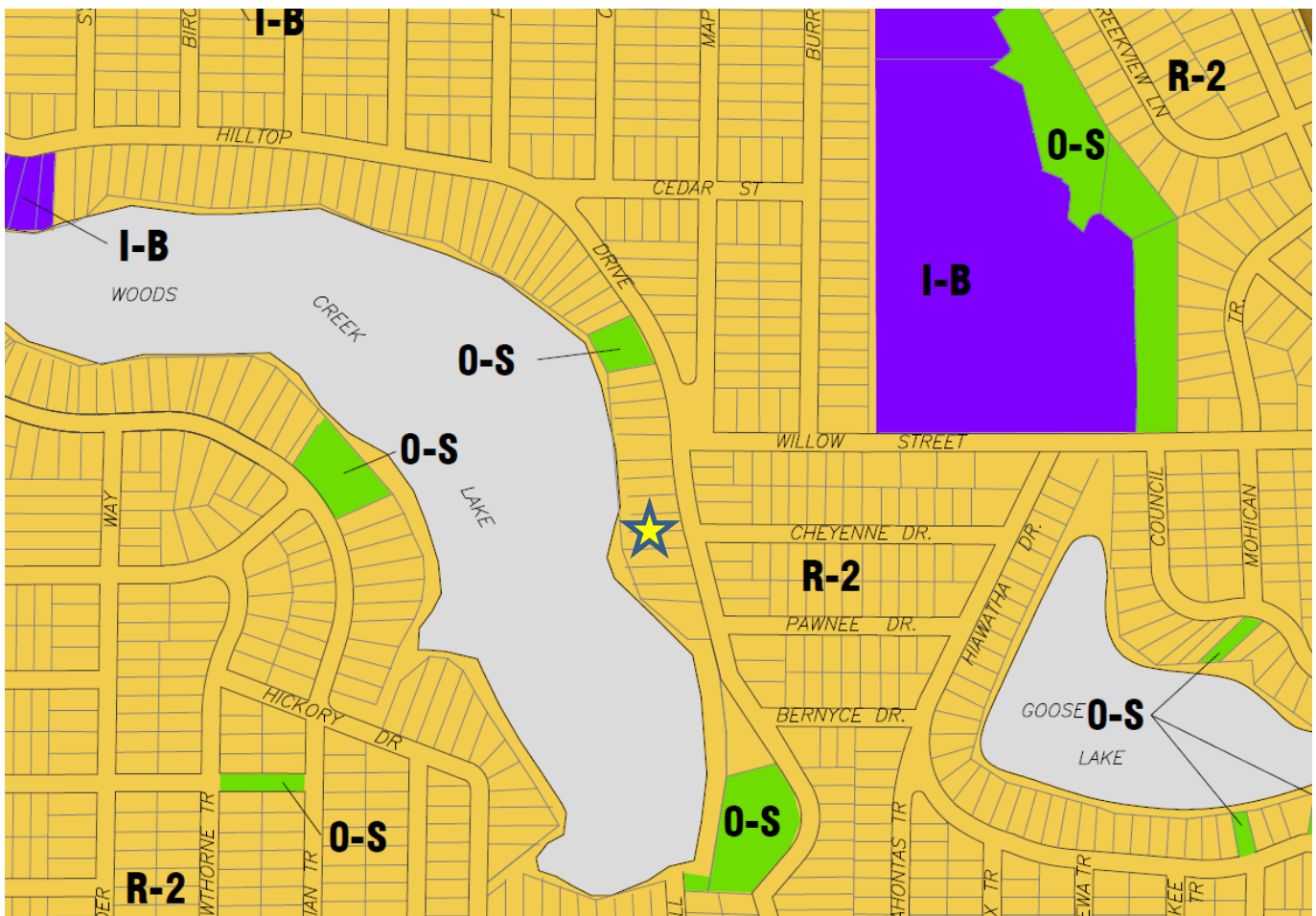
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Variation request for 65 Hilltop Drive From Section 7.4 Residential Bulk Chart R-2 Zoning District

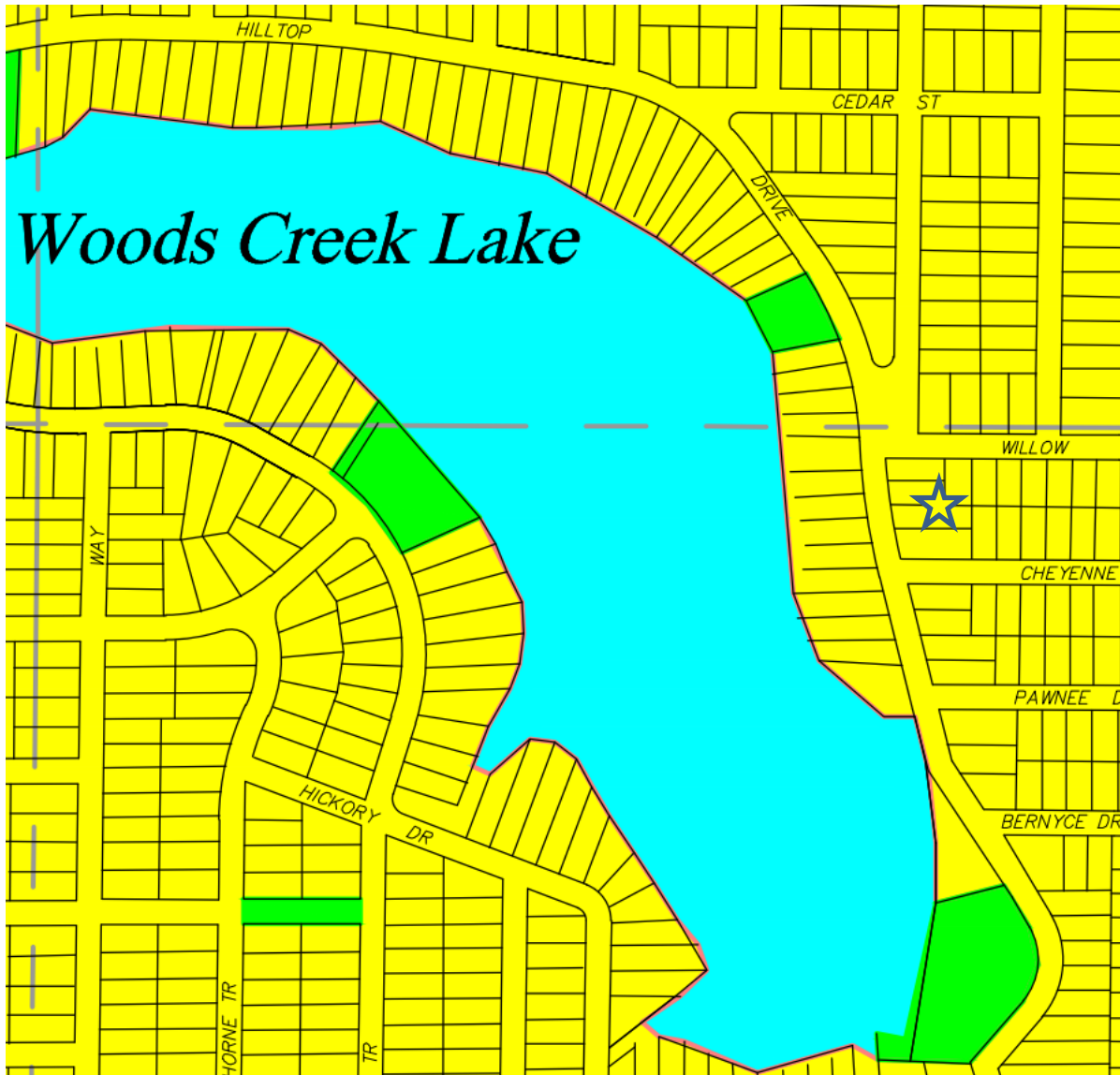


EXHIBITS





3. ZONING MAP



4. FUTURE LAND USE MAP



Legend

-
-  Estate Residential (< 2.0 units/ac.)
 -  Low Density Residential (2.0 to 3.5 units/ac.)
 -  Low Density Residential (> 3.5 to 4.5 units/ac.)
 -  Medium Density Residential (> 4.5 to 7.5 units/ac.)

5. AERIAL PHOTO



6. SITE PHOTOS



View of house from Hilltop Road and neighboring vacant lot and house lot north



View of partial decking



VILLAGE OF LAKE IN THE HILLS

ORDINANCE NO. 2021 - ____

An Ordinance Granting Variations to Section 7.4 Residential Bulk Chart in the R-2 Zoning District at 65 Hilltop Drive, Parcel 19-20-455-040, to allow for residential structure rebuild

WHEREAS, the Village of Lake in the Hills, McHenry County, Illinois (the "Village"), is a home rule municipality as contemplated under Article VII, Section 6, of the Constitution of the State of Illinois, and the passage of this Ordinance constitutes an exercise of the Village's home rule powers and functions as granted in the Constitution of the State of Illinois; and

WHEREAS, subject to said Section, a home rule unit may exercise any power and perform any function pertaining to its government and affairs for the protection of the welfare of the public; and

WHEREAS, David Manuel, applicant and owner of the subject property at 65 Hilltop Drive petitioned the Village of Lake in the Hills requesting variations to Section 7.4 Residential Bulk Chart in the R-2 Zoning District to allow a rebuild of a residential structure damaged by fire; and

WHEREAS, a public hearing was held by the Village of Lake in the Hills Planning and Zoning Commission, after due notice in the manner provided by law; and

WHEREAS, the Planning and Zoning Commission, after deliberation, has made a report and its recommendation relative to the rezoning for the subject property; and

WHEREAS, the President and Board of Trustees of the Village of Lake in the Hills have considered the report of the Planning and Zoning Commission and all of the evidence presented by the petitioner at the public hearing before the Commission; and

NOW, THEREFORE, Be it ordained by the President and Board of Trustees of the Village of Lake in the Hills, McHenry County, Illinois that:

SECTION 1: The Corporate Authorities find that the statements in the foregoing preamble are true.

SECTION 2: The findings and recommendations of the Planning and Zoning Commission on the question of granting variations to Section 7.4 Residential Bulk Chart in the R-2 Zoning District at 65 Hilltop Drive, Parcel 19-20-455-040 are hereby accepted.

SECTION 3: Approval of the variations to Section 7.4 Residential Bulk Chart for a reduction of the 25' required setback to a 22.26' setback and a reduction of the required 10' north side setback to a 2'1" setback for a rebuild of the residential structure, are hereby granted on the subject property. All plans shall comply with Village ordinances.

SECTION 4: Conditions. The approval granted in this Ordinance is granted expressly and specifically subject to the following condition:

1. Proposed fire-resistance measures, including type of materials, application, and location/expanse of the fire-rated portion of the deck, are found by the Village building code official to qualify as fire-rated by the current building code and eligible for a 2-foot setback, as opposed to the 5-foot setback required for non-fire rated structures.

SECTION 5: The Village Board retains the authority to establish all rules for Planning & Zoning petitions, and to the extent that there are any technical defects in this petition, including without limitation the inclusion of a plat of survey with the original application, such defect is hereby waived. All other requirements set forth in the Zoning Ordinance of the Village of Lake in the Hills, as would be required by the Village as to any owner of property zoned in the same manner as the Subject Property shall be complied with.

SECTION 6: If any section, paragraph, subdivision, clause, sentence or provision of this Ordinance shall be adjudged by any Court of competent jurisdiction to be invalid, such judgement shall not affect, impair, invalidate or nullify the remainder thereof, which remainder shall continue in full force and effect.

SECTION 7: All ordinances or parts of ordinances in conflict herewith are hereby repealed to the extent of such conflict.

SECTION 8: This ordinance shall be in full force and effect upon its passage, approval and publication in pamphlet form (which publication is hereby authorized) as provided by law.

Passed this 21st day of September, 2021 by roll call vote as follows:

	Ayes	Nays	Absent	Abstain
Trustee Stephen Harlfinger	_____	_____	_____	_____
Trustee Bob Huckins	_____	_____	_____	_____
Trustee Bill Dustin	_____	_____	_____	_____
Trustee Suzette Bojarski	_____	_____	_____	_____
Trustee Diane Murphy	_____	_____	_____	_____
Trustee Wendy Anderson	_____	_____	_____	_____
President Ray Bogdanowski	_____	_____	_____	_____

APPROVED THIS 21ST DAY OF SEPTEMBER, 2021

Village President, Ray Bogdanowski

(SEAL)

ATTEST: _____
Village Clerk, Shannon DuBeau

Published: _____