



Agreement For

MFT PE

Agreement Type

Original

Using Federal Funds? ☐ Yes ☒ No

LOCAL PUBLIC AGENCY

Local Public Agency	County	Section Number	Job Number
Aurora	Kane	21-00344-00-WR	
Project Number	Contact Name	Phone Number	Email
	Timothy V. Weidner, P.E.	(630) 256-3202	WeidnerT@aurora.il.us

SECTION PROVISIONS

Local Street/Road Name	Key Route	Length	Structure Number
Sullivan Road	FAU 1502	3300 ft	
Location Termini			Add Location
Edgelawn Drive to Golden Oaks Parkway			Remove Location

Project Description

Reconstruction and Traffic Signal Modernization from Edgelawn Drive to Golden Oaks Parkway

Engineering Funding	<input checked="" type="checkbox"/> MFT/TBP	<input type="checkbox"/> State	<input checked="" type="checkbox"/> Other	REBUILD Illinois Bond Funds	
Anticipated Construction Funding	<input checked="" type="checkbox"/> Federal	<input checked="" type="checkbox"/> MFT/TBP	<input type="checkbox"/> State	<input checked="" type="checkbox"/> Other	REBUILD Illinois Bond Funds

AGREEMENT FOR

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

CONSULTANT

Prime Consultant (Firm) Name	Contact Name	Phone Number	Email
Crawford, Murphy and Tilly, Inc.	Tice Cole	(630) 907-7059	ccole@cmtengr.com
Address	City	State	Zip Code
550 N. Commons Drive, Suite 116	Aurora	IL	60504

THIS AGREEMENT IS MADE between the above Local Public Agency (LPA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the improvement of the above SECTION. Project funding allotted to the LPA by the State of Illinois under the general supervision of the State Department of Transportation, hereinafter called the "DEPARTMENT," will be used entirely or in part to finance ENGINEERING services as described under AGREEMENT PROVISIONS.

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

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

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

AGREEMENT EXHIBITS

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

- ☒ EXHIBIT A: Scope of Services
- ☒ EXHIBIT B: Project Schedule
- ☒ EXHIBIT C: Qualification Based Selection (QBS) Checklist
- ☒ EXHIBIT D: Cost Estimate of Consultant Services (BLR 05513 or BLR 05514)
- ☐ EXHIBIT ____ : Direct Costs Check Sheet (attach BDE 436 when using Lump Sum on Specific Rate Compensation)
- ☐ _____
- ☐ _____
- ☐ _____

I. THE ENGINEER AGREES,

1. To perform or be responsible for the performance of the Scope of Services presented in EXHIBIT A for the LPA in connection with the proposed improvements herein before described.
2. The Classifications of the employees used in the work shall be consistent with the employee classifications and estimated staff hours. If higher-salaried personnel of the firm, including the Principal Engineer, perform services that are to be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the payroll rate for the work performed.
3. That the ENGINEER shall be responsible for the accuracy of the work and shall promptly make necessary revisions or corrections required as a result of the ENGINEER'S error, omissions or negligent acts without additional compensation. Acceptance of work by the LPA or DEPARTMENT will not relieve the ENGINEER of the responsibility to make subsequent correction of any such errors or omissions or the responsibility for clarifying ambiguities.
4. That the ENGINEER will comply with applicable Federal laws and regulations, State of Illinois Statutes, and the local laws or ordinances of the LPA.
5. To pay its subconsultants for satisfactory performance no later than 30 days from receipt of each payment from the LPA.
6. To invoice the LPA, The ENGINEER shall submit all invoices to the LPA within three months of the completion of the work called for in the AGREEMENT or any subsequent Amendment or Supplement.
7. The ENGINEER or subconsultant shall not discriminate on the basis of race, color, national origin or sex in the performance of this AGREEMENT. The ENGINEER shall carry out applicable requirements of 49 CFR part 26 in the administration of US Department of Transportation (US DOT) assisted contract. Failure by the Engineer to carry out these requirements is a material breach of this AGREEMENT, which may result in the termination of this AGREEMENT or such other remedy as the LPA deems appropriate.
8. That none of the services to be furnished by the ENGINEER shall be sublet, assigned or transferred to any other party or parties without written consent of the LPA. The consent to sublet, assign or otherwise transfer any portion of the services to be furnished by the ENGINEER shall be construed to relieve the ENGINEER of any responsibility for the fulfillment of this AGREEMENT.
9. For Preliminary Engineering Contracts:
 - (a) To attend meetings and visit the site of the proposed improvement when requested to do so by representatives of the LPA or the DEPARTMENT, as defined in Exhibit A (Scope of Services).
 - (b) That all plans and other documents furnished by the ENGINEER pursuant to the AGREEMENT will be endorsed by the ENGINEER and affixed the ENGINEER's professional seal when such seal is required by law. Such endorsements must be made by a person, duly licensed or registered in the appropriate category by the Department of Professional Regulation of the State of Illinois. It will be the ENGINEER's responsibility to affix the proper seal as required by the Bureau of Local Roads and Streets manual published by the DEPARTMENT.
 - (c) That the ENGINEER is qualified technically and is thoroughly conversant with the design standards and policies applicable for the PROJECT; and that the ENGINEER has sufficient properly trained, organized and experienced personnel to perform the services enumerated in Exhibit A (Scope of Services).
10. That the engineering services shall include all equipment, instruments, supplies, transportation and personnel required to perform the duties of the ENGINEER in connection with this AGREEMENT (See DIRECT COST tab in BLR 05513 or BLR 05514).

II. THE LPA AGREES,

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

shall be due and payable to the ENGINEER.

(c) For Non-Federal County Projects - (605 ILCS 5/5-409)

- (1) For progressive payments - Upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LPA, monthly payments for the work performed shall be due and payable to the ENGINEER. Such payments to be equal to the value of the partially completed work in all previous partial payments made to the ENGINEER.
- (2) Final payment - Upon approval of the work by the LPA but not later than 60 days after the work is completed and reports have been made and accepted by the LPA and STATE, a sum of money equal to the basic fee as determined in the AGREEMENT less the total of the amount of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.

4. To pay the ENGINEER as compensation for all services rendered in accordance with the AGREEMENT on the basis of the following compensation method as discussed in 5-5.10 of the BLR Manual.

Method of Compensation:

☐ Percent

☐ Lump Sum

☐ Specific Rate

☒ Cost plus Fixed Fee: Fixed

Total Compensation = DL + DC + OH + FF

Where:

DL is the total Direct Labor,

DC is the total Direct Cost,

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

FF is the Fixed Fee.

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

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

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

III. IT IS MUTUALLY AGREED,

1. To maintain, for a minimum of 3 years after the completion of the contract, adequate books, records and supporting documents to verify the amount, recipients and uses of all disbursements of funds passing in conjunction with the contract; the contract and all books, records and supporting documents related to the contract shall be available for review and audit by the Auditor General, and the DEPARTMENT; the Federal Highways Administration (FHWA) or any authorized representative of the federal government, and to provide full access to all relevant materials. Failure to maintain the books, records and supporting documents required by this section shall establish a presumption in favor of the DEPARTMENT for the recovery of any funds paid by the DEPARTMENT under the contract for which adequate books, records and supporting documentation are not available to support their purported disbursement.

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

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

3. This AGREEMENT may be terminated by the LPA upon giving notice in writing to the ENGINEER at the ENGINEER's last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LPA all drawings, plats, surveys, reports, permits, agreements, soils and foundation analysis, provisions, specifications, partial and completed estimates and data, if any from soil survey and subsurface investigation with the understanding that all such materials becomes the property of the LPA. The LPA will be responsible for reimbursement of all eligible expenses incurred under the terms of this AGREEMENT up to the date of the written notice of termination.

4. In the event that the DEPARTMENT stops payment to the LPA, the LPA may suspend work on the project. If this agreement is suspended by the LPA for more than thirty (30) calendar days, consecutive or in aggregate, over the term of this AGREEMENT, the ENGINEER shall be compensated for all services performed and reimbursable expenses incurred prior to receipt of notice of suspension. In addition, upon the resumption of services the LPA shall compensate the ENGINEER, for expenses incurred as a result of the suspension and resumption of its services, and the ENGINEER's schedule and fees for the remainder of the project shall be equitably adjusted.
5. This AGREEMENT shall continue as an open contract and the obligations created herein shall remain in full force and effect until the completion of construction of any phase of professional services performed by others based upon the service provided herein. All obligations of the ENGINEER accepted under this AGREEMENT shall cease if construction or subsequent professional services are not commenced within 5 years after final payment by the LPA.
6. That the ENGINEER shall be responsible for any and all damages to property or persons arising out of an error, omission and/or negligent act in the prosecution of the ENGINEER's work and shall indemnify and have harmless the LPA, the DEPARTMENT, and their officers, employees from all suits, claims, actions or damages liabilities, costs or damages of any nature whatsoever resulting there from. These indemnities shall not be limited by the listing of any insurance policy.
7. The ENGINEER and LPA certify that their respective firm or agency:
 - (a) has not employed or retained for commission, percentage, brokerage, contingent fee or other considerations, any firm or person (other than a bona fide employee working solely for the LPA or the ENGINEER) to solicit or secure this AGREEMENT,
 - (b) has not agreed, as an express or implied condition for obtaining this AGREEMENT, to employ or retain the services of any firm or person in connection with carrying out the AGREEMENT or
 - (c) has not paid, or agreed to pay any firm, organization or person (other than a bona fide employee working solely for the LPA or the ENGINEER) any fee, contribution, donation or consideration of any kind for, or in connection with, procuring or carrying out the AGREEMENT.
 - (d) that neither the ENGINEER nor the LPA is/are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency,
 - (e) has not within a three-year period preceding the AGREEMENT been convicted of or had a civil judgment rendered against them for commission of fraud or criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State or local) transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property.
 - (f) are not presently indicated for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph and
 - (g) has not within a three-year period preceding this AGREEMENT had one or more public transaction (Federal, State, local) terminated for cause or default.

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

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

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

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

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

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

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

- (2) The grantee's or contractor's policy to maintain a drug free workplace;
- (3) Any available drug counseling, rehabilitation and employee assistance program; and
- (4) The penalties that may be imposed upon an employee for drug violations.
- (c) Providing a copy of the statement required by subparagraph (a) to each employee engaged in the performance of the contract or grant and to post the statement in a prominent place in the workplace.
- (d) Notifying the contracting, or granting agency within ten (10) days after receiving notice under part (b) of paragraph (3) of subsection (a) above from an employee or otherwise, receiving actual notice of such conviction.
- (e) Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program.
- (f) Assisting employees in selecting a course of action in the event drug counseling, treatment and rehabilitation is required and indicating that a trained referral team is in place.

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

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

11. For Preliminary Engineering Contracts:

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

AGREEMENT SUMMARY

Prime Consultant (Firm) Name	TIN/FEIN/SS Number	Agreement Amount
Crawford, Murphy and Tilly, Inc.	37-0844662	\$393,969.00

Subconsultants	TIN/FEIN/SS Number	Agreement Amount
Fehr Graham Engineering & Environmental	36-2780335	\$18,776.00
Subconsultant Total		\$18,776.00
Prime Consultant Total		\$393,969.00
Total for all work		\$412,745.00

AGREEMENT SIGNATURES

Executed by the LPA:

Attest: The

Local Public Agency Type
City

 of

Local Public Agency
Aurora

By (Signature & Date)

--

By (Signature & Date)

--

Local Public Agency

Aurora

Local Public Agency Type

City

Clerk

Title

Director of Purchasing

(SEAL)

Executed by the ENGINEER:

Attest:

Prime Consultant (Firm) Name
Crawford, Murphy and Tilly, Inc.

By (Signature & Date)

--

By (Signature & Date)

--

Title

--

Title

--

APPROVED:

Regional Engineer, Department of Transportation (Signature & Date)

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Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Aurora	Crawford, Murphy and Tilly, Inc.	Kane	21-00344-00-WR

**EXHIBIT A
SCOPE OF SERVICES**

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

See attached.

Exhibit “A”: SCOPE OF SERVICES

**City of Aurora, Illinois
Project Scope Description to Provide
Phase II (Design) Engineering Services for
Sullivan Road
Edgelawn Drive to Golden Oaks Parkway
Section Number: 21-00344-00-WR**

Contents

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Introduction

Sullivan Road is a City of Aurora Street and is designated a major collector and a City truck route. The City of Aurora is improving Sullivan Road to address deteriorated pavements, improve the operations of trucks, improve bicycle and pedestrian connectivity, and improve the safety and capacity at the intersection of Randall Road. The general scope of improvement includes improving Sullivan Road from the east side of the intersection of Edgelawn Drive to the west side of the intersection of Golden Oaks Parkway. The only cross street improvement will include Randall Road as part of intersection channelization improvements. The pavement improvements will include reconstruction, widening and resurfacing, and resurfacing-only depending upon the existing pavement section on Sullivan Road and Randall Road. The existing traffic signal at Randall Road will be removed and replaced with modernized signal equipment. The project will be on a state letting due to the federal funds involved.

General Project Information

Schedule

The project is currently in the KKCOM FFY 2023 - 2027 STP - L Active Program and the City is actively pursuing other federal funds. Only the construction phase currently has federal funding. The project is targeting construction funding obligation in FFY 2024. The project schedule is attached and assumes NTP is provided in June 2023. Design Approval is planned for late July 2023. Plats and Legals are planned for approval in early August 2023. ROW Certification is planned for early mid-September 2024 and the letting is planned for November 2024. Programmed funding would allow the letting to be pushed as far back as November 2024 (with a September 2024 federal authorization), with FFY 2024 funding (without extensions). This contract is anticipated to begin in June 2023 and extend thru the end of January 2025 (20 months).

Project Design Limits

1. Sullivan Road
 - a. From Edgelawn Drive (STA 106+00) to Golden Oaks Parkway (STA 140+68.41)
 - b. Distance of approximately 3468 feet (0.66 mi)
2. Randall Road
 - a. From approximately 625 feet south of Sullivan Road (STA 174+01.38) to approximately 575 feet north of Sullivan (STA 186+01.07)
 - b. Distance of approximately 1200 feet (0.22 mi)

Total roadway design length of 4668 feet (0.88 miles).

Land Acquisition

Plats & Legals are being prepared under separate contract (Phase I). This contract will include appraisal and negotiation services for select properties not being done through waivers.

Structural

A special foundation will be designed for one of the traffic signal mast arm posts based upon the results of the geotechnical report.

Commitments

1. A PSI will be performed in Phase 2.
2. All applicable special waste pay items will be included in the PS&E, as needed.
3. Maintain access to school, church, and Randall Road residential and commercial properties throughout construction
4. Follow-up Stakeholder Meeting with Crosswinds Church

Preliminary Index of Sheets

Sheet Section	No. of Sheets
Cover Sheet	1
Index and Highway Standards	1
General Notes	1
Site Plan	1
Summary of Quantities	11
Typical Sections	10
Schedules of Quantities	6
Alignments, Ties & Benchmarks	2
Removal Plan	7
Roadway Plan and Profile	11
Grading Plan	7
Suggested Sequence of Construction	13
Soil Erosion and Sediment Control Plan	13
Drainage Plan and Profiles	11
Drainage Schedule	2
Plat of Highways	11
Intersection Details	3
ADA Details	4
Pavement Marking & Signing Plan	11
Landscaping Plan	7
Traffic Signal and Communications Plan	21
Lighting Plan	14
Cross Sections	56
Total	224

Deliverables

1. Environmental Studies
 - a. PSI
 - b. LPC 662 or 663
2. KDSWCD Permit
3. City of Aurora Storm Water Permit
4. IEPA NOI
5. Final Original Land Acquisition Documentation
6. 1 submittal of Prefinal Plans, Specifications, Estimate of Cost, and Estimate of Time
7. 1 submittal of Final Plans, Specifications, Estimate of Cost, and Estimate of Time
8. 1 submittal of Post-Final Plans, Specifications, Estimate of Cost, and Estimate of Time

Items Not Included

1. Subsurface Utility Engineering
2. Field Tile Investigations
3. Geotechnical Investigations and Reports – Completed Previous Stage
4. The scope does not consider any staged implementation of the improvements into multiple construction contracts

Tasks

1. Data Collection

- a. Attain updated Aerial from City
- b. Update and Confirm Utilities
 - 1. JULIE Design Stage Ticket
 - 2. City GIS / Atlas Information
 - i. Water
 - 3. Sanitary
 - i. Fox Metro
 - 4. Electric
 - i. ComEd
 - 5. Phone/Fiber
 - i. AT&T
 - ii. Metronet
 - 6. Cable
 - i. Verizon
 - ii. Comcast
 - 7. Gas (Nicor)

2. Field Investigations and Land Surveys

- a. Pickup Topo Survey for Church Parking Mitigation Area
 - 1. Field Work
 - 2. Survey Download
- b. Topo file updates
- c. Build new existing terrain model using Phase I and Phase II survey shots and Bentley Open Roads Designer. Phase I was completed using Bentley GEOPAK SS4.

3. Environmental / Permitting

- a. Tree Survey
 - 1. Size, Species, Condition
 - 2. Only areas of impact or adjacent to areas of impact
- b. Wetland Permitting
 - 1. Jurisdictional Determination (JD) Request (Assumed isolated wetlands)
 - 2. Coordinate wetland credit purchase with wetland bank and City of Aurora
 - i. Assume the City pays the wetland bank directly
 - 3. Provide wetland credit purchase documentation to IDOT
- c. Storm Water Permitting – City of Aurora
- d. NPDES
 - 1. Illinois Environmental Protection Agency (IEPA) Notice of Intent (NOI)
- e. Kane DuPage Soil and Water Conservation District (KDSWCD) Permitting
 - 1. Storm Water Pollution Prevention Plan (SWPPP)
 - 2. Soil Erosion and Sediment Control Plans (effort is part of roadway plan task)
 - 3. Coordination of two submittals with disposition of comments
- f. Preliminary Site Investigation (PSI)

1. Coordinate work to be performed by subconsultant Fehr Graham. See attached.
2. Provide excavation limits and quantities at REC sites for PSI consultant.
- g. Clean Construction Demolition Debris (CCDD)
 1. Work to be performed by subconsultant Fehr Graham. See attached

4. Preliminary Design Studies

- a. Perform and submit pavement designs for Sullivan Road and Randall Road.
- b. Update 3d modeling of proposed improvements from Bentley GEOPAK SS4 Phase I (no longer supported) to Open Roads Designer.
 1. Recreate/Store Approved Horizontal Alignments
 2. Recreate/Store Approved Vertical Alignments
 3. Recreate Templates
 4. Recreate Corridors
 5. Recreate Parametric Constraints
 6. Recreate Point Controls
 7. Update Proposed Surface (Proposed Contours)
 8. Update Subsurface (Pavement and Topsoil)
 9. 3D Utilities
 10. 3D Drainage (Existing To Remain and Proposed)
- c. Photometrics Analysis and Performance Tables

5. Roadway Plans

- a. Prefinal (1), Final (1), and Post-Final (1) Plan Submittals for the following sheets
- b. Cover Sheet
 1. Project Information and Identification
 2. Traffic Data
 3. Location Map
 4. Improvement Lengths
 5. Signature Block
- c. Index and Highway Standards
 1. 1 sheet
- d. General Notes
 1. 1 sheet
 2. General Notes
 3. Utility and Drainage Notes
 4. Removal Notes
 5. Earthwork Notes
- e. Site Plan
 1. 1 sheet
- f. Summary of Quantities
 1. 11 sheets
 2. 22 pay items per sheet
 3. Pay Item Code, Item, Unit, Total Quantity, Construction Type Codes
- g. Typical Sections
 1. 10 sheets based on PDR
 2. Existing Typical Sections

- 3. Proposed Typical Sections
 - 4. HMA Mixture Requirements
- h. Schedules of Quantities
 - 1. 2 sheets of trees
 - 2. 1 sheet of tree removal, fence removal, rip rap placement
 - 3. 2 sheets of signs
 - 4. 1 sheet of earthwork
- i. Alignments, Ties & Benchmarks
 - 1. 2 sheets
- j. Removal Plan
 - 1. Double plan view 20 scale – 7 sheets
- k. Roadway Plan and Profile
 - 1. 20 scale urban plan and profile – 11 sheets
- l. Grading Plan
 - 1. Double plan view 20 scale – 7 sheets
- m. Suggested Sequence of Construction
 - 1. Closure and detour schematic – 1 sheet
 - 2. Closure Plan – 3 stages, 1 stage per sheet
 - 3. MOT Staging Plans
 - i. Sullivan east of Randall
 - ii. Randall Road
 - iii. 3 sheets 20 scale dual plan view x 3 stages
- n. Soil Erosion and Sediment Control Plan
 - 1. Double plan view 20 scale
 - 2. 4 sheets for closed and detoured section
 - 3. Staged areas – 3 sheets per stage x 3 stages
- o. Drainage Plan and Profiles
 - 1. 11 sheets, 20 scale urban plan and profile
 - 2. 2 sheets of drainage schedule
- p. Plat of Highways
 - 1. Completed as part of Phase I contract, insert
- q. Intersection Details
 - 1. 1 sheet at Edgelawn Drive (east side)
 - 2. 2 sheets at Randall Road
- r. ADA Details
 - 1. 2 sheets at Edgelawn Drive
 - 2. 2 sheets at Randall Road
- s. Pavement Marking & Signing Plan
 - 1. 11 sheets 20 scale plan view
- t. Landscaping Plan
 - 1. 7 sheets double plan view 20 scale
- u. Traffic Signal and Communications Plan
 - 1. 1 index/standards sheet
 - 2. 8 D1 signal details
 - 3. 6 temp signal sheets including 1 plan view and 1 cable plan per stage (3 stages)
 - i. Initial stage temp signal plan will show existing removals

4. 3 permanent plan sheets include 2 plan view and 1 cable plan
5. 1 Special Structural Foundation Design for Mast Arm – per Geotechnical Report
6. 2 – 50 scale double plan view sheets to show communications conduit from Edgelawn to Randall
- v. Lighting Plan
 1. Double plan view 20 scale – 4 sheets
 2. 2 schematic sheets
 3. 8 detail sheets
- w. Cross Sections
 1. 95 sections on 50-foot intervals
 2. 17 sections on driveways
 3. 2 cross sections per sheet, landscape, based upon the width of the roadways

6. Specifications

- a. Submittals
 1. Prefinal Submittal (1)
 2. Final Submittal (1)
 3. Post Final Submittal (1)
- b. Content
 1. Recurring and Local Roads Check Sheets
 2. Index
 3. BDE Check Sheet
 4. Project Special Provisions
 5. Local Roads Special Provisions
 6. SWPPP BDE 2342
 7. Completed NOI
 8. KDSWCD Permit Approval
 9. City of Aurora Storm Water Permit
 10. BDE Special Provisions

7. Quantities and Cost

- a. Quantities
 1. Prefinal (1)
 2. Final (1)
 3. Post-Final (1)
- b. Engineer's Opinion of Probable Construction Cost (EOPCC)
 1. Prefinal (1)
 2. Final (1)
 3. Post-Final (1)
- c. Estimate of Time
 1. Prefinal (1)
 2. Final (1)

8. Public Involvement

- a. Stakeholder Meeting with River of Life Church (PDR Commitment)
- b. Stakeholder Update Coordination with IMSA

- c. Assume that the City will notify the appropriate authorities regarding the detour schedule (closer to letting)

9. Land Acquisition Services

- a. Coordination with IDOT BLA
 - 1. Parcel Compliance
 - 2. Project Compliance
- b. File Management and Final "Original" Documentation Deliverable to City
- c. Title Commitment Updates
- d. Appraisals
 - 1. Coordination of Appraisals performed by 3rd party (Direct Cost) for the following takes:
 - i. 15-08-300-035; 1500 Sullivan Road (IMSA)
 - ii. 15-08-100-029
 - iii. 15-08-100-017; 1620 N Randall Road
 - iv. 15-08-300-032 (1394 N Randall Road) and 15-08-300-007 (1390 N Randall Road)
 - v. 15-08-400-001 and 15-08-400-002
 - vi. 15-08-400-003; 1379 N Randall Road
- e. Review Appraisals (6 takes)
- f. Calculate Draft Waiver Value for City for the following parcels:
 - 1. 15-08-400-004; 1373 N Randall Road
 - 2. 15-08-400-005; 1365 N Randall Road
 - 3. 15-08-400-006; 1361 N Randall Road
- g. Negotiations (9 takes)
- h. Testimony for Lies Pendens Parcel (15-08-400-003), likely to go to condemnation
- i. Recording with Kane County Recorder
 - 1. ROW, Permanent Easements, Temporary Easements, Mortgage Releases

10. Construction Phase Services

Bid Period and Construction Phase Services

- a. Respond to Bidder Questions
- b. Prepare addenda to bid documents as needed
- c. Respond to RFI's
- d. Shop Drawing Review for special signal mast arm foundation
- e. Field Visits – NOT INCLUDED
- f. Project Meetings and Correspondence with Construction Management Team – NOT INCLUDED

11. Meetings and Coordination

- a. Phase II Kickoff Meeting with City
- b. Phase II Kickoff Meeting with City and IDOT BLRS and BLA
- c. Internal Phase II Kickoff Meeting
- d. Monthly Internal Progress Meetings
- e. Coordinate with City
- f. Coordinate with IDOT BLRS
- g. Disposition of Prefinal City Comments
- h. Disposition of Final City Comments

- i. Disposition of Prefinal IDOT Comments
- j. Disposition of Final IDOT Comments

12. Utility Coordination

- a. Verify impacts (or no impacts) with utility companies
 - 1. initial letter/email with Phase I plans
- b. Coordinate utility relocations with utility companies
 - 1. Assume 2 rounds of calls/emails with each utility company
- c. Update D1 Status of Utilities Special Provision to be Adjusted at Prefinal
- d. Update D1 Status of Utilities Special Provision to be Adjusted at Final
- e. Coordinate with IDOT BLRS to send utility status letters to utility companies at both submittals

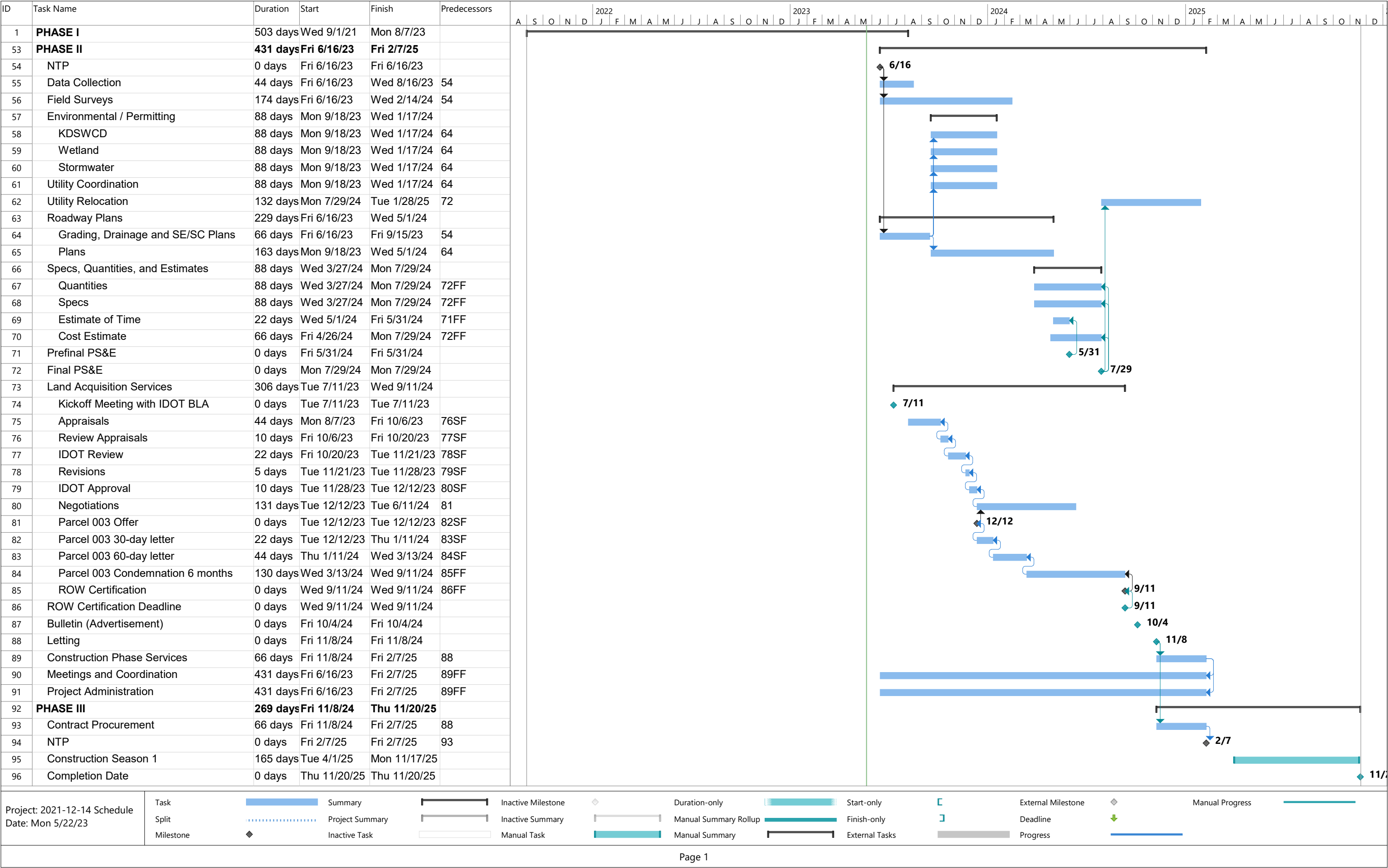
13. Project Administration

- a. Project startup in accounting
- b. Project manual for team members
- c. Update project schedule
- d. STP Quarterly Updates
- e. Personnel planning, scheduling and budget control monitoring
- f. Project invoicing/ review of subconsultant invoices
- g. Quality Management Plan
 - 1. QA review for Prefinal PS&E
 - 2. QA review for Final PS&E
 - 3. Constructability Review at Prefinal PS&E

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Aurora	Crawford, Murphy and Tilly, Inc.	Kane	21-00344-00-WR

**EXHIBIT B
PROJECT SCHEDULE**

See attached.



Page 1

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Aurora	Crawford, Murphy and Tilly, Inc.	Kane	21-00344-00-WR

Exhibit C
Qualification Based Selection (QBS) Checklist

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

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

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

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

City of Aurora

Kane

21-00344-00-WR

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EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

OVERHEAD RATE	172.26%
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COMPLEXITY FACTOR 0.035

326,137

Local Public Agency City of Aurora	County Kane	Section Number 21-00344-00-WR
Prime Consultant (Firm) Name Crawford, Murphy & Tilly, Inc.	Prepared By Charles "Tice" Cole	Date 4/17/2023
Consultant / Subconsultant Name 	Job Number 	

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

Remarks

Phase II Design and Land Acquisition Services for Sullivan Road from Edgelawn Drive to Golden Oaks Parkway

PAYROLL ESCALATION TABLE

CONTRACT TERM	20	MONTHS			OVERHEAD RATE	172.26%
START DATE	6/16/2023				COMPLEXITY FACTOR	0.035
RAISE DATE	1/1/2024				% OF RAISE	2.00%
END DATE	2/15/2025					

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	6/16/2023	1/1/2024	7	35.00%
1	1/2/2024	1/1/2025	12	61.20%
2	1/2/2025	2/1/2025	1	5.20%

The total escalation = 1.40%

Local Public Agency**County****Section Number**

City of Aurora

Kane

21-00344-00-WR

Consultant / Subconsultant Name**Job Number****PAYROLL RATES**

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

MAXIMUM PAYROLL RATE	86.00
ESCALATION FACTOR	1.40%

CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
Principal	\$86.00	\$86.00
Project Engineer II	\$78.33	\$79.43
Project Manager II	\$72.77	\$73.79
Project Environmental Scientist II	\$74.85	\$75.90
Project Structural Engineer II	\$81.67	\$82.82
Project Engineer I	\$62.88	\$63.76
Project Manager I	\$60.91	\$61.76
Project Environmental Scientist I	\$64.78	\$65.69
Project Structural Engineer I	\$62.98	\$63.86
Sr. Engineer I	\$46.52	\$47.17
Technical Manager II	\$53.60	\$54.35
Sr. Planner I	\$44.97	\$45.60
GIS Specialist	\$44.12	\$44.74
Sr. Structural Engineer II	\$61.73	\$62.60
Sr. Structural Engineer I	\$46.79	\$47.45
Engineer I	\$35.31	\$35.81
Environmental Scientist II	\$43.08	\$43.68
Structural Engineer I	\$35.30	\$35.79
Planner I	\$35.45	\$35.95
Environmental Scientist I	\$29.55	\$29.96
Technical Manager I	\$31.73	\$32.17
Land Surveyor	\$48.49	\$49.17
Sr. Technician I	\$44.40	\$45.02
Sr. Technician II	\$54.16	\$54.92
Technician II	\$36.67	\$37.18
Technician I	\$29.39	\$29.80
Project Administrative Assistant	\$28.99	\$29.40

Local Public Agency

City of Aurora

County

Kane

Section Number

21-00344-00-WR

Consultant / Subconsultant Name

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 1 OF 3

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			1. Data Collection			2. Field Inv. & Land Surveys			3. Environmental / Permitting			4. Preliminary Design Studies			5. Roadway Plans		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	86.00	0.0																	
Project Engineer II	79.43	0.0																	
Project Manager II	73.79	0.0																	
Project Environmental Scie	75.90	0.0																	
Project Structural Engineer	82.82	0.0																	
Project Engineer I	63.76	162.0	5.96%	3.80							7	7.53%	4.80				24	1.79%	1.14
Project Manager I	61.76	79.0	2.90%	1.79															
Project Environmental Scie	65.69	0.0																	
Project Structural Engineer	63.86	10.0	0.37%	0.23													8	0.60%	0.38
Sr. Engineer I	47.17	997.0	36.65%	17.29	8	100.00%	47.17	28	77.78%	36.69	24	25.81%	12.17	170	70.25%	33.14	428	31.96%	15.08
Technical Manager II	54.35	78.0	2.87%	1.56															
Sr. Planner I	45.60	239.0	8.79%	4.01															
GIS Specialist	44.74	0.0																	
Sr. Structural Engineer II	62.60	0.0																	
Sr. Structural Engineer I	47.45	20.0	0.74%	0.35													16	1.19%	0.57
Engineer I	35.81	1,049.0	38.57%	13.81							26	27.96%	10.01	72	29.75%	10.65	839	62.66%	22.43
Environmental Scientist II	43.68	37.0	1.36%	0.59							36	38.71%	16.91						
Structural Engineer I	35.79	32.0	1.18%	0.42													24	1.79%	0.64
Planner I	35.95	0.0																	
Environmental Scientist I	29.96	0.0																	
Technical Manager I	32.17	0.0																	
Land Surveyor	49.17	0.0																	
Sr. Technician I	45.02	0.0																	
Sr. Technician II	54.92	0.0																	
Technician II	37.18	0.0																	
Technician I	29.80	8.0	0.29%	0.09				8	22.22%	6.62									
Project Administrative Assi	29.40	9.0	0.33%	0.10															
TOTALS		2720.0	100%	\$44.04	8.0	100.00%	\$47.17	36.0	100%	\$43.31	93.0	100%	\$43.89	242.0	100%	\$43.79	1339.0	100%	\$40.25

Local Public Agency

City of Aurora

County

Kane

Section Number

21-00344-00-WR

Consultant / Subconsultant Name

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 2 OF 3

PAYROLL CLASSIFICATION	AVG HOURLY RATES	6. Specifications			7. Quantities and Cost			8. Public Involvement			9. Land Acquisition Services			10. Construction Phase Services			11. Meetings and Coordination		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	86.00																		
Project Engineer II	79.43																		
Project Manager II	73.79																		
Project Environmental Scientist	75.90																		
Project Structural Engineer II	82.82																		
Project Engineer I	63.76				6	3.41%	2.17	5	23.81%	15.18				12	24.00%	15.30	44	34.65%	22.09
Project Manager I	61.76							16	76.19%	47.06	49	13.07%	8.07				14	11.02%	6.81
Project Environmental Scientist	65.69																		
Project Structural Engineer I	63.86													2	4.00%	2.55			
Sr. Engineer I	47.17	70	76.09%	35.89	102	57.95%	27.34							24	48.00%	22.64	56	44.09%	20.80
Technical Manager II	54.35										78	20.80%	11.31						
Sr. Planner I	45.60										239	63.73%	29.06						
GIS Specialist	44.74																		
Sr. Structural Engineer II	62.60																		
Sr. Structural Engineer I	47.45													4	8.00%	3.80			
Engineer I	35.81	22	23.91%	8.56	68	38.64%	13.83										12	9.45%	3.38
Environmental Scientist II	43.68																1	0.79%	0.34
Structural Engineer I	35.79													8	16.00%	5.73			
Planner I	35.95																		
Environmental Scientist I	29.96																		
Technical Manager I	32.17																		
Land Surveyor	49.17																		
Sr. Technician I	45.02																		
Sr. Technician II	54.92																		
Technician II	37.18																		
Technician I	29.80																		
Project Administrative Assistant	29.40										9	2.40%	0.71						
TOTALS		92.0	100%	\$44.45	176.0	100%	\$43.35	21.0	100%	\$62.24	375.0	100%	\$49.14	50.0	100%	\$50.02	127.0	100%	\$53.43

Local Public Agency

City of Aurora

Consultant / Subconsultant Name

County

Kane

Section Number

21-00344-00-WR

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 3 OF 3

PAYROLL CLASSIFICATION	AVG HOURLY RATES	12. Utility Coordination			13. Project Administration														
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	86.00																		
Project Engineer II	79.43																		
Project Manager II	73.79																		
Project Environmental Scientist	75.90																		
Project Structural Engineer II	82.82																		
Project Engineer I	63.76	2	7.41%	4.72	62	46.27%	29.50												
Project Manager I	61.76																		
Project Environmental Scientist	65.69																		
Project Structural Engineer I	63.86																		
Sr. Engineer I	47.17	15	55.56%	26.21	72	53.73%	25.35												
Technical Manager II	54.35																		
Sr. Planner I	45.60																		
GIS Specialist	44.74																		
Sr. Structural Engineer II	62.60																		
Sr. Structural Engineer I	47.45																		
Engineer I	35.81	10	37.04%	13.26															
Environmental Scientist II	43.68																		
Structural Engineer I	35.79																		
Planner I	35.95																		
Environmental Scientist I	29.96																		
Technical Manager I	32.17																		
Land Surveyor	49.17																		
Sr. Technician I	45.02																		
Sr. Technician II	54.92																		
Technician II	37.18																		
Technician I	29.80																		
Project Administrative Assistant	29.40																		
TOTALS		27.0	100%	\$44.19	134.0	100%	\$54.85	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00	0.0	0%	\$0.00

**Sullivan Road
CMT Estimate of Hours**

Sullivan Road Phase II Engineering														
Task No.	Task Description	Project Engineer I	Project Manager I	Project Structural Engineer I	Sr. Engineer I	Technical Manager II	Sr. Planner I	Sr Structural Engineer I	Engineer I	Environmental Scientist II	Structural Engineer I	Technician I	Project Administrative Assistant	Total Hours
1	Data Collection	-	-	-	8	-	-	-	-	-	-	-	-	8
	a. Updated Aerial from City				1									1
	b. Update and Confirm Utilities													
	1. JULIE				1									1
	2. City GIS/Atlas Information				1									1
	3. Sanitary - Fox Metro				1									1
	4. Electric - ComEd				1									1
	5. Phone/Fiber - AT&T and Metronet				1									1
	6. Cable - Verizon and Comcast				1									1
	7. Gas - Nicor				1									1
2	Field Investigation and Land Survey	-	-	-	28	-	-	-	-	-	-	8	-	36
	a. Pickup Topo Survey at Church Parking													
	1. Field Work											8		8
	2. Survey Download				2									2
	b. Topo file updates				2									2
	c. Build new terrain with Bentley ORD				24									24
3	Environmental / Permitting	7	-	-	24	-	-	-	26	36	-	-	-	93
	a. Tree Survey									24				24
	b. Wetland Permitting													
	1. JD Request from USACE - no permit fees									3				3
	2. Coordinate Wetland Credit Purchase									5				5
	3. Provide documentation to IDOT									1				1
	c. Storm Water Permitting (City of Aurora)	2			2				8					12
	d. NPDES - IEPA NOI				1				2					3
	e. KDSWCD Permitting													
	1. SWPPP (BDE 2342)	1			8				8					17
	2. SESC Plans (part of roadway plans task)	0			0				0					0
	3. Coordination with 2 submittals and disposition of comments	2			4				8					14
	f. PSI (coordination with Fehr Graham - subconsultant for special waste)	1			8					2				11
	g. CCDD (coordination with Fehr Graham - subconsultant for special waste)	1			1					1				3

**Sullivan Road
CMT Estimate of Hours**

Sullivan Road Phase II Engineering														
Task No.	Task Description	Project Engineer I	Project Manager I	Project Structural Engineer I	Sr. Engineer I	Technical Manager II	Sr. Planner I	Sr Structural Engineer I	Engineer I	Environmental Scientist II	Structural Engineer I	Technician I	Project Administrative Assistant	Total Hours
4	Preliminary Design Studies	-	-	-	170	-	-	-	72	-	-	-	-	242
	a. Pavement Designs for Sullivan (2) and Randall (3)				8									8
	b. Update 3D modeling of proposed improvements from GEOPAK to ORD													
	1. Recreate/Store Approved Horizontal Alignments				6									6
	2. Recreate/Store Approved Vertical Alignments				8									8
	3. Recreate Templates (assume 10)				20									20
	4. Recreate Corridors (assume 24)				48									48
	5. Recreate Parametric Constraints				20									20
	6. Recreate Point Controls				20									20
	7. Update Proposed Surface (Proposed Contours) - Merge all surfaces				4									4
	8. Update Subsurface (Pavement and Topsoil)				16									16
	9. 3D Utilities				4				32					36
	10. 3D Drainage (Existing to Remain and Proposed)				16				32					48
	c. Photometrics Analysis and Performance Tables								8					8
5	Roadway Plans	24	-	8	428	-	-	16	839	-	24	-	-	1339
	a. Prefinal, Final, Post-Final Submittals (see hour detail by submittal)													
	b. Cover Sheet	1			1				8					10
	c. Index and Highway Standards				2				4					6
	d. General Notes				15				4					19
	e. Site Plan				1				9					10
	f. Summary of Quantities				4				19					23
	g. Typical Sections	1			16				34					51
	h. Schedules of Quantities				2				17					19
	i. Alignments, Ties & Benchmarkes	1			8				10					19
	j. Removal Plan	1			16				47					64
	k. Roadway PnP	1			40				59					100
	l. Grading Plan	1			11				24					36
	m. Suggested Sequence of Construction	4			80				47					131
	n. SESC Plans	1			40				77					118
	o. Drainage PnPs	4			40				87					131
	p. Plat of Highways								1					1
	q. Intersection Details	1			16				11					28
	r. ADA Details				16				21					37
	s. Pavement Marking & Signing Plan	1			16				83					100
	t. Landscaping Plan	1			8				27					36
	u. Traffic Signal and Communications Plan	4		8	40			16	71		24			163
	v. Lighting Plan	1			16				48					65
	w. Cross Sections	1			40				131					172

**Sullivan Road
CMT Estimate of Hours**

Sullivan Road Phase II Engineering														
Task No.	Task Description	Project Engineer I	Project Manager I	Project Structural Engineer I	Sr. Engineer I	Technical Manager II	Sr. Planner I	Sr Structural Engineer I	Engineer I	Environmental Scientist II	Structural Engineer I	Technician I	Project Administrative Assistant	Total Hours
6	Specifications	-	-	-	70	-	-	-	22	-	-	-	-	92
	a. Submittals - Prefinal, Final, Post Final (1 each) See Hour Detail by submittal													
	b. Content													
	1. Recurring and Local Roads Check Sheets				2									2
	2. Index								1					1
	3. BDE Check Sheet				4				2					6
	4. Project Special Provisions				58				16					74
	5. Local Roads Special Provisions				2									2
	6. SWPPP BDE 2342				1									1
	7. Completed NOI				1									1
	8. KDSWCD Permit Approval				1									1
	9. City Storm Water Permit				1									1
	10. BDE Special Provisions								3					3
7	Quantities and Cost	6	-	-	102	-	-	-	68	-	-	-	-	176
	a. Quantities													
	1. Prefinal	1			40				40					81
	2. Final	1			24				24					49
	3. Post-Final	-			4				4					8
	b. Engineer's Opinion of Probable Construction Cost (EOPCC)													
	1. Prefinal	2			8									10
	2. Final	1			8									9
	3. Post-Final	-			1									1
	c. Estimate of Time													
	1. Prefinal	1			16									17
	2. Final	-			1									1
8	Public Involvement	5	16	-	-	-	-	-	-	-	-	-	-	21
	a. Stakeholder Meeting with River of Life Church	2	8											10
	b. Stakeholder Meeting with IMSA	2	8											10
	c. City Notification of Detour	1												1
9	Land Acquisition Services	-	49	-	-	78	239	-	-	-	-	-	9	375
	a. Coordination with IDOT BLA													
	1. Parcel Compliance						18							18
	2. Project Compliance		4											4
	b. File Management and Final Original Documentation Deliverable to City						9						9	18
	c. Title Commitment Updates (11 PINS)		11				11							22
	d. Appraisals (6 takes) - Coordination with 3rd Party Independent Appraiser		4				12							16
	e. Review Appraisals (6 takes)					72								72
	f. Calculate Draft Waiver Value for City (3 takes)					6								6
	g. Negotiations (9 takes)		18				180							198
	h. Testimony for Lies Pendens Parcel (1 take)		12											12
	i. Recording of Conveyance Documents and Releases (Assume 3 trips)						9							9

Sullivan Road CMT Estimate of Hours

Sullivan Road Phase II Engineering														
Task No.	Task Description	Project Engineer I	Project Manager I	Project Structural Engineer I	Sr. Engineer I	Technical Manager II	Sr. Planner I	Sr Structural Engineer I	Engineer I	Environmental Scientist II	Structural Engineer I	Technician I	Project Administrative Assistant	Total Hours
10	Construction Phase Services	12	-	2	24	-	-	4	-	-	8	-	-	50
	a. Respond to Bidder Questions	4			8									12
	b. Prepare Addenda - as needed	4			8									12
	b. Respond to RFI's	4			8									12
	c. Shop Drawing Review for special signal mast arm foundation			2				4			8			14
	d. Field Visits (NOT INCLUDED)													0
	e. Project Meetings and Correspondence with Construction Management Team (NOT INCLUDED)													0
11	Meetings and Coordination	44	14	-	56	-	-	-	12	1	-	-	-	127
	a. Phase II Kickoff Meeting with City (4 people)	2	1		2									5
	b. Phase II Kickoff Meeting with City and IDOT BLRS + BLA (3 people)	2	2		2									6
	c. Internal Phase II Kickoff Meeting (8 people)	2	1		2				2	1				8
	d. Monthly Internal Progress Meetings (20 mtgs x 0.5 hr per meeting x 4 people)	10	10		10				10					40
	e. Coordinate with City	20												20
	f. Coordinate with IDOT BLRS	4			8									12
	g. Disposition of Prefinal City Comments	1			8									9
	h. Disposition of Final City Comments	1			8									9
	i. Disposition of Prefinal IDOT Comments	1			8									9
	j. Disposition of Final IDOT Comments	1			8									9
12	Utility Coordination	2	-	-	15	-	-	-	10	-	-	-	-	27
	a. Verify impacts with utility companies - letter email with Phase I plans				7									7
	b. Coordinate utility relocations - assume 2 rounds with each company	2			2				10					14
	c. Update D1 Status of Utilities SP at Prefinal				2									2
	d. Update D1 Status of Utilites SP at Final				2									2
	e. Coordinate with IDOT BLRS for utility status letters to utility companies				2									2
13	Project Administration	62	-	-	72	-	-	-	-	-	-	-	-	134
	a. Project startup in accounting	8												8
	b. Project manual for team members	8												8
	c. Set-up/Update Project Schedule	10												10
	d. STP Quarterly Status Updates	6												6
	e. Personnel planning, scheduling and budget control monitoring	10												10
	f. Project invoicing/PPR/review of subconsultant invoices	20												20
	g. Quality Management Plan													0
	1. QA review of Prefinal PS&E				40									40
	2. QA review of Final PS&E				16									16
	3. Constructability Review at Prefinal PS&E				16									16
	Total CMT Hours	162	79	10	997	78	239	20	1049	37	32	8	9	2720

Roadway Plans - Sheet Hour Detail

a. Submittals	sheets	Prefinal		Final		Post-Final		Total
		hrs/sheet	hrs	hrs/sheet	hrs	hrs/sheet	hrs	Hours
b. Cover Sheet	1	8	8	1	1	1	1	10
c. Index and Highway Standards	1	4	4	1	1	1	1	6
d. General Notes	1	16	16	2	2	1	1	19
e. Site Plan	1	8	8	1	1	1	1	10
f. Summary of Quantities	11	1	11	1	11	0.09	1	23
g. Typical Sections	10	4	40	1	10	0.10	1	51
h. Schedules of Quantities	6	2	12	1	6	0.17	1	19
i. Alignments, Ties & Benchmarks	2	8	16	1	2	0.50	1	19
j. Removal Plan	7	8	56	1	7	0.14	1	64
k. Roadway PnP	11	8	88	1	11	0.09	1	100
l. Grading Plan	7	4	28	1	7	0.14	1	36
m. Suggested Sequence of Construction	13	8	104	2	26	0.08	1	131
n. SESC Plans	13	8	104	1	13	0.08	1	118
o. Drainage Plans	13	8	104	2	26	0.08	1	131
p. Plat of Highways	11	0.09	1	0.00	0	0.00	0	1
q. Intersection Details	3	8	24	1	3	0.33	1	28
r. ADA Details	4	8	32	1	4	0.25	1	37
s. Pavement Marking & Signing Plan	11	8	88	1	11	0.09	1	100
t. Landscaping Plan	7	4	28	1	7	0.14	1	36
u. Traffic Signal and Communications Plan								
index/standards	1	2	2	1	1	1	1	4
D1 signal details	8	1	8	0.125	1	0	0	9
temp signal and cable plan	6	8	48	1	6	0.17	1	55
permanent plan and cable plan	3	8	24	1	3	0.33	1	28
special foundation for mast arm	1	40	40	8	8	0	0	48
communications conduit	2	8	16	1	2	0.5	1	19
v. Lighting Plan								
plan view	4	8	32	2	8	0.25	1	41
schematic	2	4	8	2	4	0	0	12
details	8	1	8	0.5	4	0	0	12
w. Cross Sections	56	2	112	1	56	0.07	4	172
Total	224		1070		242		27	1339

Specification - Hour Detail by Submittal

a. Submittals	Prefinal	Final	Post-Final	Total
1. Recurring and Local Roads Check Sheets	1	1	0	2
2. Index	1	0	0	1
3. BDE Check Sheet	4	1	1	6
4. Project Special Provisions	56	16	2	74
5. Local Roads Special Provisions	2	0	0	2
6. SWPPP BDE 2342	1	0	0	1
7. Completed NOI	1	0	0	1
8. KDSWCD Permit Approval	1	0	0	1
9. City Storm Water Permit	1	0	0	1
10. BDE Special Provisions	1	1	1	3

Total

92

Local Public Agency

City of Aurora

County

Kane

Section Number

21-00344-00-WR

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

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

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum	1690	\$0.66	\$1,106.95
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day			\$0.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost			\$0.00
Parking	Actual Cost			\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)	1	\$205.00	\$205.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)	1	\$613.60	\$613.60
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)			\$0.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost	\$ 13.00	\$77.00	\$1,001.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost			\$0.00
Lab Services	Actual Cost (Provide breakdown of each cost)			\$0.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Appraisals	Actual Cost	6	\$2,600.00	\$15,600.00
KDSWCD Permit Fee Application	Actual Cost	1	\$2,860.00	\$2,860.00
Title Commitment Updates	Actual Cost	22	\$75.00	\$1,650.00
				\$0.00
TOTAL DIRECT COSTS:				\$23,036.55

Direct Cost Detail by Task

1. Data Collection

None \$ -

2. Field Investigations & Land Surveys

	Trips	Miles/Trip	Miles	\$/mi	Cost	
Travel	1		16	16 \$ 0.655	\$ 10.48	
						Subtotal \$ 10.48

3. Environmental / Permitting

	Trips	Miles/Trip	Miles	\$/mi	Cost	
Tree Survey	1		16	16 \$ 0.655	\$ 10.48	
Kane DuPage SWCD Permit					Cost \$ 2,860.00	
						Subtotal \$ 2,870.48

4. Preliminary Design Studies

None \$ -

5. Roadway Plans

	Plan Sheets	Sets	Total Sheets	\$/sheet	Cost	
Prefinal Plan Sheets	224	2	448	\$ 0.15	\$ 67.20	
Final Plan Sheets	0	0	0	\$ 0.15	\$ -	
Post Final Plan Sheets	224	2	448	\$ 0.15	\$ 67.20	
	Sets	\$/Set			Cost	
Binding Screw Post	4	\$ 1.50			\$ 6.00	
						Subtotal \$ 140.40

6. Specifications

	Pages	Sets	Total Sheets	\$/sheet	Cost	
Prefinal Specs	125	2	250	\$ 0.08	\$ 20.00	
Final Specs	0	0	0	\$ 0.08	\$ -	
Post Final Specs	125	2	250	\$ 0.08	\$ 20.00	
	Sets	\$/Set			Cost	
Binding ACCO Fastner	4	\$ 3.00			\$ 12.00	
						Subtotal \$ 52.00

7. Quantities and Cost

None \$ -

8. Public Involvement

	Trips	Miles/Trip	Miles	\$/mi	\$	
Travel - Stakeholder Mtg	2		16	32 \$ 0.655	\$ 20.96	
						Subtotal \$ 20.96

9. Land Acquisition Services

	Trips	Miles/Trip	Miles		\$/mi	Cost
Travel to Project Parcels						
Review Appraisals - 2 trips	2	352	704	\$	0.655	\$ 461.12
Negotiations - 8 trips	8	16	128	\$	0.655	\$ 83.84
Negotiations (Lies Pendens) - 1 trip	1	352	352	\$	0.655	\$ 230.56
Travel to Kane County Government						
Testimony - 1 Trip	1	352	352	\$	0.655	\$ 230.56
Recording - 3 Trips	3	30	90	\$	0.655	\$ 58.95

	Parcels	Updates	Total Updates		\$/Parcel	Cost
Title Commitment Updates (11 PINS)	11	2	22	\$	75.00	\$ 1,650.00

	Recordings	\$/recording			Cost
Recording Fees: Real Estate Related	13	\$ 77.00			\$ 1,001.00
9 parcels					
assume 4 have mortgage release					

	Takes	Mail / Take	Mailings		\$/Take	Cost
Certified Mail - Offer, 60-day	9	2	18	\$	10.00	\$ 180.00
Mail box of final documentation			1	\$	25.00	\$ 25.00

	Takes	\$ (Avg) / Take			Cost
Appraisals (3rd Party Independent)	6	\$ 2,600.00			\$ 15,600.00

Subtotal \$ 19,521.03

10. Construction Phase Services

None \$ -

11. Meetings and Coordination

None \$ -

12. Utility Coordination

	Plan Sheets	Sets	Total Sheets		\$/sheet	Cost
Prefinal Plan Sheets	224	6	1344	\$	0.15	\$ 201.60
Final Plan Sheets	224	6	1344	\$	0.15	\$ 201.60

	Sets	\$/Set			Cost
Binding Screw Post	12	\$ 1.50			\$ 18.00

Subtotal \$ 421.20

13. Project Administration

None \$ -

Total \$ 23,036.55

Total Mileage \$/mi Mileage Cost
1690 \$ 0.655 \$ 1,106.95

April 20, 2023

Mr. Tice Cole, PE
Crawford, Murphy & Tilly, Inc.
550 North Commons Drive, Suite 116
Aurora, Illinois 60504

**RE: Environmental Services – Preliminary Site Investigation
Sullivan Road Modernization Project
Aurora, Illinois**

Dear Mr. Cole:

Fehr Graham is pleased to provide this proposal for a Preliminary Site Investigation (PSI) on the Sullivan Road Modernization project in Aurora, Illinois. The PSI is proposed based on the findings of the Preliminary Environmental Site Assessment (PESA) completed for the project by Crawford, Murphy & Tilly, Inc. (CMT) on December 9, 2022.

PROJECT BACKGROUND

Based on information provided by CMT, Fehr Graham understands the project involves resurfacing and widening Sullivan Road from North Edgelawn Drive to North Randall Road from two to three lanes. Improvements will enclose the drainage system and update the intersection at North Randall Road and replace existing traffic signals with a modernized signal system. The project is expected to require small amounts of new permanent ROW and temporary easement. The depth of excavation ranges from less than 5 to 18 feet maximum. The maximum excavation depth is planned to occur at Site 15, the State of Illinois Math and Science Academy, along an estimated section of 1,500 feet in length.

The CMT PESA identified RECs at the following Sites:

- Site 8 – 1650/1656 North Randall Road – Former Drycleaner with Groundwater Use Restriction for tetrachloroethylene (PCE).
- Site 15 – 1500 Sullivan Road – Presence of aboveground storage tanks (ASTs) and drums.

PRELIMINARY SITE INVESTIGATION (PSI)

The purpose of the PSI is to verify and investigate RECs identified in the PESA and pre-determine the appropriate handling and disposal of materials generated during right-of-way construction activities. The PESA identified several sites as RECs based on historical or current use at PESA Sites 8 and 15. If these sites cannot be avoided, soil testing is required to determine proper handling and disposal during proposed excavation activities.

The following scope of work has been prepared for the PSI. The scope of work is subject to change based on direction received from CMT regarding additional acquisition and/or construction activities leading to soil generation on identified REC sites.

SCOPE OF WORK

All proposed PSI field activities will be conducted under the direction and supervision of Fehr Graham professional staff. The proposed work scope includes the following:

- Development of a PSI Work Plan for submittal and approval to IDOT District 1.
- Prior to any intrusive activity, a public utility clearance will be requested to identify subsurface utilities in public right-of-ways (ROWs).
- Direct-push drilling at up to eight (8) soil boring locations to a depth of 18 feet below ground surface (bgs).
- One (1) soil sample will be collected from each direct-push boring. Prior to collection, drilling-derived soils will be described and logged by Fehr Graham staff. Soils will also be screened with a photoionization detector (PID) to screen for volatile contaminant impacts in 1-foot intervals. The sample depth interval will be selected based on the following screening priority:
 - 1) Depth of highest PID screening result, or
 - 2) Observed visual/olfactory evidence (staining and/or odor) of contamination, or
 - 3) Directly above the observed groundwater interface, or
 - 4) From the bottom of the soil boring if groundwater is not encountered.

If no contamination is observed along Site 15, a shallow soil sample will be collected to evaluate the REC.

Coarse aggregate fill will not be sampled for laboratory analysis.

- To determine if soil contamination exists and to what magnitude, soil samples will be sent to a certified laboratory for analysis based on site history and documented operation.
 - 1) Site 8
 - Volatile Organic Compounds
 - Soil pH
 - 2) Site 15
 - Volatile Organic Compounds
 - Polynuclear Aromatic Hydrocarbons
 - Polychlorinated Biphenyls,
 - Total Lead, and
 - Soil pH
- If groundwater is encountered at Site 15, one (1) soil boring will be converted to a temporary monitoring well by lowering 1-inch Schedule 40 PVC well screen and riser pipe into the boring. A single groundwater sample will be collected using peristaltic pump and disposable tubing and/or disposal bailer.

- To determine if groundwater contamination exists and to what magnitude, the groundwater sample will be sent to a certified laboratory for analysis of the following parameters:
 - Volatile Organic Compounds
 - Polynuclear Aromatic Hydrocarbons
 - Polychlorinated Biphenyls,
 - Total and Dissolved Lead
- Soil and groundwater analytical results will be compared and tabulated with the Maximum Allowable Concentrations (MAC) set forth in 35 IAC 1100, Subpart F, and IEPA TACO Tier 1 Residential Soil Remediation Objectives and Class I Groundwater Remediation Objectives per 35 IAC Part 742.
- Fehr Graham will prepare a PSI report with field investigation results, analytical tabulation, and recommendations and conclusions for soil and groundwater handling and disposal during proposed construction activities. In addition, LPC 663 forms and certification will be provided is appropriate. The report will include figures of soil boring locations and REC Sites. Project drawings will be required from CMT in AutoCAD format to allow for the overlay of PSI-derived information.

EXCLUSIONS TO THE PROPOSED SCOPE OF WORK

Please note that the following items are excluded from the proposed scope of services:

- Landscape restoration as a result of drilling and sampling activities. Soil borings will be abandoned with cuttings and bentonite. Surfaces will be patched with similar materials.
- Utility repairs related to unmarked or undocumented subsurface utilities/conduits.
- Additional soil borings/monitoring wells/sampling/laboratory analysis unrelated to the proposed scope of work described above.

SCHEDULE

Fehr Graham will work diligently to complete the PSI field investigation and reporting within 120 days of authorization to proceed. Although not anticipated at this time, if additional work is required as a result of unexpected delays and/or project limitations, a request will be made for your authorization prior to commencement.

PROFESSIONAL SERVICE FEES

Preliminary Site Investigation (PSI)	\$18,776
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BLR 05514 is enclosed for your reference.

April 20, 2023
Mr. Tice Cole, CMT, Inc.
Sullivan Road PSI, Aurora, Illinois
Page 4

AUTHORIZATION

We appreciate the opportunity to provide you with this proposal. If this proposal meets with your approval, please contact us and we will forward our Agreement for Professional Services for your signature. Your signature will serve as your official authorization for Fehr Graham to proceed with the proposed work scope.

If you should have any questions, please do not hesitate to contact me. Thank you for the opportunity.

Sincerely,

A handwritten signature in blue ink, appearing to read 'R. Grimes', with a long horizontal flourish extending to the right.

Ross Grimes, PG
Branch Manager

RAG:adn

Enclosure –
BLR 05514 (Revised 04.20.2023)

N:\Proposals\2023\Ross Grimes\CMT\Sullivan PSI Proposal (Revised 04.20.2023).doc



Local Public Agency	County	Section Number
City of Aurora	Kane	21004089
Prime Consultant (Firm) Name	Prepared By	Date
CMT, Inc.	Ross Grimes, PG	4/20/2023
Consultant / Subconsultant Name	Job Number	
Fehr Graham Engineering & Environmental		

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

Remarks

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PAYROLL ESCALATION TABLE

CONTRACT TERM	20	MONTHS	OVERHEAD RATE	148.61%
START DATE	5/1/2023		COMPLEXITY FACTOR	0
RAISE DATE	1/1/2024		% OF RAISE	2.00%
END DATE	12/31/2024			

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	5/1/2023	1/1/2024	8	40.00%
1	1/2/2024	1/1/2025	12	61.20%

City of Aurora

Kane

21004089

Fehr Graham Engineering & Environmental

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Local Public Agency

City of Aurora

County

Kane

Section Number

21004089

Consultant / Subconsultant Name

Fehr Graham Engineering & Environmental

Job Number

DIRECT COSTS WORKSHEET

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

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum			\$0.00
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day	3	\$65.00	\$195.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost			\$0.00
Parking	Actual Cost			\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			\$0.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)	6	\$15.00	\$90.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost			\$0.00
Lab Services	Actual Cost (Provide breakdown of each cost)			\$0.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Environmental Drilling Services	Actual Cost			\$0.00
Soil Sampling Supplies	Actual Cost	1	\$260.00	\$260.00
Groundwater Sampling Supplies	Actual Cost	1	\$315.00	\$315.00
				\$0.00
TOTAL DIRECT COSTS:				\$860.00

BLR 05514 (Rev. 02/0

Local Public Agency

City of Aurora

County

Kane

Section Number

21004089

Consultant / Subconsultant Name

Fehr Graham Engineering & Environmental

COST ESTIMATE WORKSHEET

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

OVERHEAD RATE

148.61%

COMPLEXITY FACTOR

0

[illegible]

Local Public Agency

City of Aurora

County

Kane

Section Number

21004089

[illegible]

Fehr Graham Engineering & Environmental

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 1 OF 1

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES				Prelim Site Investigation - Field				Prelim Site Investigation - Reporting				Project Admin/Mngmt							
		Hours	% Part.		Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	
Principal	69.30	5.0	4.39%	3.04	1	2.56%	1.78	2	3.28%	2.27	2	14.29%	9.90								
Branch Manager	57.67	20.0	17.54%	10.12	6	15.38%	8.87	10	16.39%	9.45	4	28.57%	16.48								
Project Hydrogeologist	35.75	43.0	37.72%	13.49	29	74.36%	26.59	8	13.11%	4.69	6	42.86%	15.32								
EHS Specialist	26.80	34.0	29.82%	7.99				34	55.74%	14.94											
Assoc. Eng Tech	27.92	6.0	5.26%	1.47	2	5.13%	1.43	4	6.56%	1.83											
Project Administrator	30.75	6.0	5.26%	1.62	1	2.56%	0.79	3	4.92%	1.51	2	14.29%	4.39								
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