



Using Federal Funds? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Agreement For MFT PE	Agreement Type Original
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LOCAL PUBLIC AGENCY

Local Public Agency Aurora	County Kane	Section Number 23-00357-00-PV	Job Number
Project Number	Contact Name Timothy V. Weidner, P.E.	Phone Number (630) 256-3202	Email WeidnerT@aurora.il.us

SECTION PROVISIONS

Local Street/Road Name Liberty Street	Key Route FAU 3570	Length 0.54 miles	Structure Number N/A
Location Termini Crane Street to County Line Road			<input type="button" value="Add Location"/> <input type="button" value="Remove Location"/>

Project Description
Phase I engineering for the resurfacing of Liberty Street from Eastern Avenue to Sartor Lane and reconstruction and add lanes from Sartor Lane to County Line Road.

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

AGREEMENT FOR

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

CONSULTANT

Prime Consultant (Firm) Name Strand Associates, Inc.	Contact Name Marc Grigas	Phone Number (815) 744-4200	Email marc.grigas@strand.com
Address 1170 S. Houbolt Road	City Joliet	State IL	Zip Code 60431

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 E : Direct Costs Check Sheet (attach BDE 436 when using Lump Sum on Specific Rate Compensation)
- ☒ Exhibit F: Subconsultant CECS and Direct Costs
- ☐ _____
- ☐ _____

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
Strand Associates, Inc.	39-1020418	\$181,936.00
Subconsultants	TIN/FEIN/SS Number	Agreement Amount
Hampton, Lenzini and Renwick, Inc.	36-2555986	\$36,515.00
Rubino Engineering	80-0450719	\$25,069.00
Subconsultant Total		\$61,584.00
Prime Consultant Total		\$181,936.00
Total for all work		\$243,520.00

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

(SEAL)

Executed by the ENGINEER:

Attest:

Prime Consultant (Firm) Name
Strand Associates, Inc.

By (Signature & Date)

By (Signature & Date)

Title
Corporate Secretary

Title
N/A

APPROVED:

Regional Engineer, Department of Transportation (Signature & Date)

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Aurora	Strand Associates, Inc.	Kane	23-00357-00-PV

**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.

EXHIBIT A

SCOPE OF SERVICES PHASE I PRELIMINARY ENGINEERING SERVICES

City of Aurora, Illinois (LPA)
Strand Associates, Inc.[®] (ENGINEER)
Illinois Department of Transportation (DEPARTMENT)

PROJECT Understanding

The Liberty Street Phase I PROJECT termini are from Crane Avenue to County Line Road in the City of Aurora, Illinois. Liberty Street will have pavement patching and resurfacing from Crane Avenue to Sartor Lane and reconstructed and widened to an urban cross section with added lanes and sidewalk from Sartor Lane to County Line Road. Two alternative typical sections will be reviewed in the reconstruction section. In addition, Intersection Design Studies will be performed at three intersections. The potential improvements will be compatible with the LPA's proposed new Public Works (PW) facility on the south side of Liberty Street from Sartor Lane to County Line Road. The new PW facility will be constructed in two phases beginning in 2023 and completing in 2024.

PROJECT will be funded with local Motor Fuel Tax funds. It is anticipated this PROJECT will use federal funds for future phases. In accordance with Federal standards, the Phase I study will follow the DEPARTMENT's process. It is anticipated the project will be processed as a Categorical Exclusion—Federally Approved.

Scope of Services

ENGINEER will provide the following Services.

1.0 Administration

- 1.01 Track PROJECT schedule, budget, and task completion.
- 1.02 Develop SUBCONSULTANT agreements and track SUBCONSULTANT schedules, budgets, and task completion.
- 1.03 Prepare and submit invoices.

2.0 Data Collection

- 2.01 Obtain public and private utility atlases.
- 2.02 Obtain from LPA existing data including as-built drawings, crash data, and new PW facility drawings.
- 2.03 Conduct one site visit and prepare a photograph log of the project corridor for the Environmental Survey Request Form.
- 2.04 Develop a mailing list of stakeholders including local agencies, utility companies, and private parties that may be affected by the PROJECT.

3.0 Topographical Survey

- 3.01 See SUBCONSULTANT Hampton, Lenzini and Renwick, Inc.'s (HLR) scope of services for topographical survey.
- 3.02 Develop a base map in Microstation and Geopak Select Series 4/10.
- 3.03 Import spatially tied aerial photography provided by the LPA.
- 3.04 Communicate with HLR regarding its scope of services.

4.0 Geotechnical Engineering

- 4.01 See SUBCONSULTANT Rubino Engineering, Inc.'s scope of services for geotechnical engineering and roadway geotechnical report services.
- 4.02 Communicate with Rubino Engineering, Inc. regarding its scope of services.

5.0 Environmental Survey

- 5.01 Prepare Environmental Survey Request (ESR) and attachments and submit to Bureau of Local Roads (BLR). The ESR will request that the DEPARTMENT conduct the biological and cultural reviews and clearances.
- 5.02 HLR will provide Preliminary Environmental Site Assessment (PESA), in accordance with its scope of services.
- 5.03 Review PESA results and incorporate into the Project Development Report, as appropriate.
- 5.04 Conduct a site visit and field-collect wetland sampling data up to five data points in accordance with the 1987 United States Army Corps of Engineers (USACE) Wetland Delineation Manual and the 2012 Midwest Regional Supplement.
- 5.05 Prepare wetland delineation summary letter(s) with floristic quality assessment and six resource mapping or data attachments.
- 5.06 Submit final delineation letter(s) to DEPARTMENT and USACE for jurisdictional determination.
- 5.07 Prepare and submit Wetland Impact Evaluation forms and exhibits for up to three wetland sites.

6.0 Public and Private Communication

- 6.01 Communicate with LPA and DEPARTMENT.
- 6.02 Prepare and submit to the DEPARTMENT up to four quarterly project status reports.
- 6.03 Prepare and submit PROJECT initiation letters to stakeholders and log responses.
- 6.04 Submit a J.U.L.I.E. design stage ticket.
- 6.05 Prepare and submit existing plan and profile drawings of the corridor's existing conditions for utility companies to review. Incorporate existing utility drawings provided by the utility companies

into the engineering drawings. ENGINEER shall not be responsible for the accuracy of the information by utility companies.

7.0 Location Drainage Technical Memorandum (LDTM) and Drainage Design

- 7.01 Gather appropriate drainage source data available, such as as-built documents, to prepare the LDTM.
- 7.02 Prepare an existing drainage plan at a scale of one inch = 50 feet. The existing drainage plan will include existing drainage patterns and documented deficiencies, existing pipe culvert and storm sewer sizing and layout, and drainage features including existing roadside ditches and retention areas.
- 7.03 Prepare a potential drainage plan at a scale of one inch = 50 feet. The potential drainage plan will identify potential drainage design criteria and will include potential design for open ditches, crossroad culverts, driveway culverts, and storm sewer. It is anticipated that stormwater detention and retention along with best management practices will not be required.
- 7.04 Prepare and submit a draft LDTM, with a design narrative and supporting documentation including the existing drainage plan, potential drainage plan, design calculations, and potential utility conflicts. Submit one copy of the draft LDTM to LPA for review.
- 7.05 Revise the draft LDTM based on one iteration of comments received by the LPA. Submit one copy of the final LDTM to the LPA for approval.

8.0 Traffic and Geometric Studies

- 8.01 Perform 16-hour intersection turning movement traffic counts at the Liberty Street intersections with Sartor Lane and County Line Road.
- 8.02 Prepare anticipated trips for LPA approval to the new PW facility using the Institute of Transportation Engineers Trip Generation manual. LPA shall provide existing trip and vehicle usage to the existing PW facility.
- 8.03 Submit a request to the Chicago Metropolitan Agency for Planning for 2050 traffic volume projections.
- 8.04 Prepare geometric alternatives analysis for up to two alternative typical sections and model traffic using Highway Capacity Software (HCS) to review corridor level of services from Sartor Lane to County Line Road. Alternatives will review a three-lane section versus a four-lane section. Develop a summary letter of geometric and modeling alternatives with plan view exhibits and an opinion of probable construction cost (OPCC) for LPA review.
- 8.05 Design resurfacing pavement structure from Crane Avenue to Sartor Lane. Design one full-depth hot-mix asphalt pavement design for Liberty Street from Sartor Lane to County Line Road.
- 8.06 Model existing and potential intersection conditions with HCS at Sartor Lane, the new PW Facility entrance, and County Line Road. Submit results to LPA and DEPARTMENT for review.
- 8.07 Prepare turning templates for the design vehicles at Sartor Lane, the new PW facility, and County Line Road.

- 8.08 Prepare a prefinal and final Intersection Design Study at Sartor Lane and submit to LPA and DEPARTMENT.
- 8.09 Design horizontal alignment and vertical profile for Liberty Street for the LPA preferred alternative.
- 8.10 Establish the preliminary location of potential right-of-way, temporary easements, and/or permanent easements for LPA review.
- 8.11 Review existing superelevation of Liberty Street from Crane Avenue to the east for one horizontal curve. Design superelevation corrections that can be made with resurfacing, as needed.
- 8.12 Develop up to three existing and three proposed typical sections for the LPA's preferred alternative lane configurations.
- 8.13 Develop up to seven plan and profile drawings at a scale of one inch = 20 feet.
- 8.14 Develop cross sections at 50-foot intervals and at intersections and entrances. Show existing and proposed surface geometry in the cross sections. Cross sections will not be included in the PROJECT development report and side street cross sections will not be provided.
- 9.0 Crash and Conceptual Maintenance of Traffic Analysis
- 9.01 Obtain crash data from LPA.
- 9.02 Prepare crash summary and plot collision diagrams for the roadway segments within the PROJECT limits.
- 9.03 Perform an alternatives analysis on the conceptual maintenance of traffic plan. Review closing Liberty Street between Sartor Lane and County Line Road and detouring traffic as compared to staged construction.
- 10.0 Project Development Report
- 10.01 Develop an OPCC.
- 10.02 Prepare a Prefinal Project Development Report utilizing DEPARTMENT form BLR 22110 and exhibits at 95 percent completion.
- 10.03 Submit the Prefinal Project Development Report (anticipated to be Categorical Exclusion—Federally Approved) for LPA and DEPARTMENT review.
- 10.04 Revise the Project Development Report based on review comments from the LPA and DEPARTMENT, as appropriate.
- 10.05 Prepare design approval request notices for publication by the LPA.
- 11.0 Quality Assurance (QA) and Quality Control (QC)
- 11.01 Perform QA and QC reviews.

12.0 Meetings

Organize, conduct, and prepare meeting minutes for distribution to attending parties for the following meetings:

- 12.01 One virtual DEPARTMENT kickoff meeting with LPA and DEPARTMENT BLR.
- 12.02 One virtual meeting with the Federal Highway Administration (FHWA).
- 12.03 One progress meeting with LPA.
- 12.04 One meeting with East Aurora School District 131.
- 12.05 One meeting with Aurora Township.
- 12.06 One public information meeting held by LPA at City Hall. Public information meeting notification letters shall be created and distributed by ENGINEER. LPA shall advertise the public meeting in publications servicing the PROJECT area.
 - a. Prepare public meeting advertisement and advertisement in a local newspaper up to two times.
 - b. Prepare public meeting notification letters and mail to up to fifteen properties that abut the PROJECT corridor.
 - c. Prepare up to six exhibit boards (to be displayed on easels) and aerial exhibits (to be laid flat on a table) summarizing the PROJECT, including current status and next steps. Make exhibits available for review by LPA prior to the meeting. The exhibit boards will be used to facilitate discussions about the PROJECT with members of the public.
 - d. Facilitate the public information meeting in an open house format. It is anticipated that the open house will last up to three hours and will be held on a weeknight.
 - e. Provide a sign-in sheet and comment forms for members of the public. Collect comment forms at the end of the open house.
 - f. Prepare an electronic log of up to 50 written comments received before, during, and up to two weeks after the public information meeting. Formal responses on LPA letterhead will be emailed or mailed to respond to each comment received within that timeframe.
 - g. Prepare a written summary of the public information meeting, including information about the number of attendees and a summary of the comments that were received. The written summary will be made available to LPA.

13.0 Services Elements Not Included

- 13.01 If required, LPA shall obtain titles at parcels with potential land acquisition.
- 13.02 Additional topographical survey for any changes to topography due to the construction of the new PW facility.

13.03 Services related to land acquisition including plat of highways, appraisals, appraisal reviews, and land negotiations.

13.04 Any services beyond Phase I engineering services within the Scope of Services.

Further Clarification

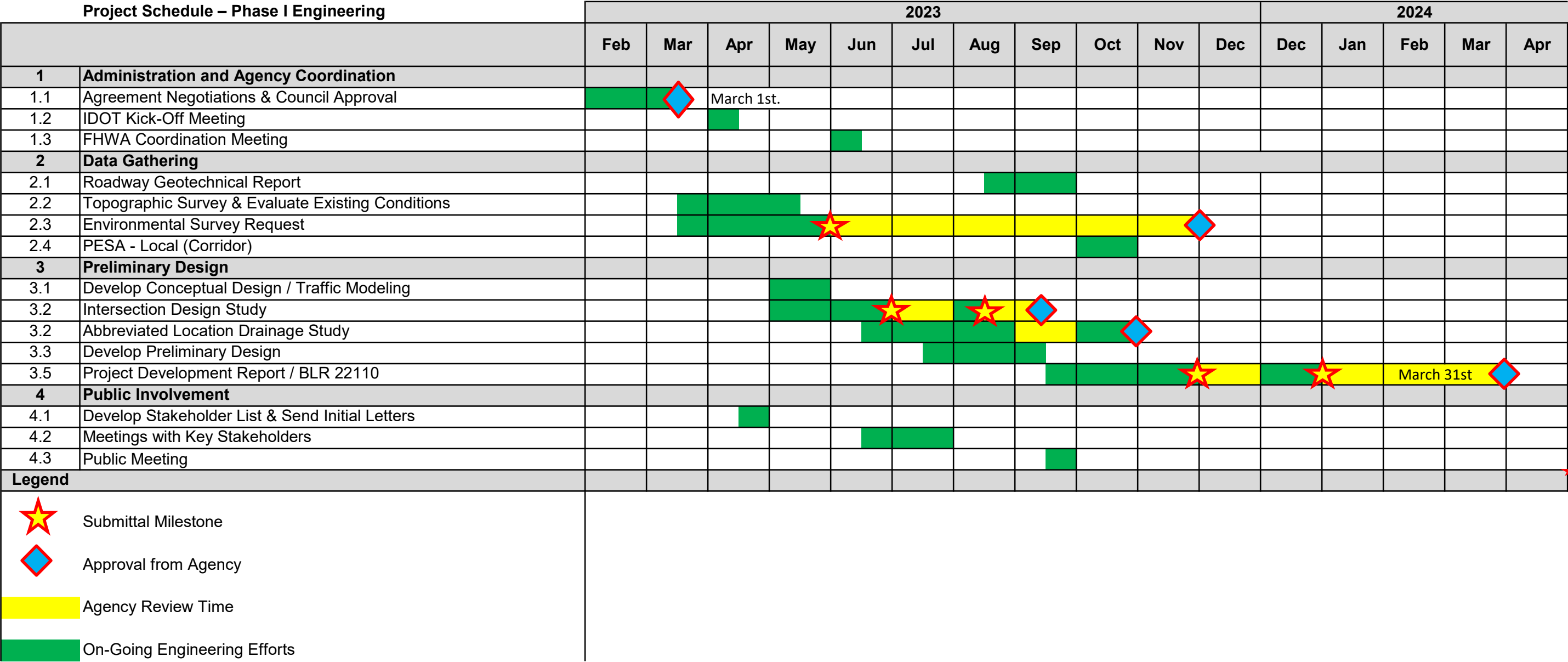
Modify the following in the Agreement Provisions of the Local Public Agency Engineering Services Agreement.

1. Wherever the term “work” is used, REPLACE with “services.”
2. Wherever the term “work is” is used, REPLACE with “services are.”
3. Wherever the term “estimate of cost” is used, REPLACE with “opinion of probable construction cost.”
4. Wherever the term “recipient” is used, REPLACE with “LPA.”
5. Wherever the term “firm” is used, REPLACE with “ENGINEER.”
6. Wherever “Department” is used, REPLACE with “DEPARTMENT.”
7. Wherever “contract” is used, REPLACE with “agreement.”

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Aurora	Strand Associates, Inc.	Kane	23-00357-00-PV

**EXHIBIT B
PROJECT SCHEDULE**

See attached Exhibit B.



Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Aurora	Strand Associates, Inc.	Kane	23-00357-00-PV

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 checked="" 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 checked="" type="checkbox"/>
3	Was the scope of services for this project clearly defined?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	Was public notice given for this project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

If yes Due date of submittal **11/17/22**

Method(s) used for advertisement and dates of advertisement

Posted to the City's website on 10/27/2022. The City also has an email/text sign up system to receive a notification when new postings are added.

5	Do the written QBS policies and procedures cover conflicts of interest?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	Do the written QBS policies and procedures use covered methods of verification for suspension and debarment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	Do the written QBS policies and procedures discuss the methods of evaluation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Project Criteria	Weighting
Consultant Experience	30%
Schedule	20%
Staff Capabilites	20%
Technical Approach	30%

8	Do the written QBS policies and procedures discuss the method of selection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Selection committee (titles) for this project

Engineering Coordinator, Professional Engineer II, Professional Engineer I

Top three consultants ranked for this project in order	
1	Strand Associates, Inc.
2	Crawford, Murphy, & Tilly
3	Thomas Engineering Group, LLC

9	Was an estimated cost of engineering for this project developed in-house prior to contract negotiation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10	Were negotiations for this project performed in accordance with federal requirements.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11	Were acceptable costs for this project verified?	<input type="checkbox"/>	<input checked="" 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 checked="" 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 checked="" 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"/>

Local Public Agency City of Aurora	County Kane County	Section Number 23-00357-00-PV
Prime Consultant (Firm) Name Strand Associates, Inc.	Prepared By Marc Grigas	Date 1/27/2023
Consultant / Subconsultant Name Strand Associates, Inc.	Job Number 	

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

Remarks

PAYROLL ESCALATION TABLE

CONTRACT TERM	14	MONTHS			OVERHEAD RATE	143.09%
START DATE	3/1/2023				COMPLEXITY FACTOR	
RAISE DATE	7/1/2023				% OF RAISE	2.00%
END DATE	4/30/2024					

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	3/1/2023	7/1/2023	4	28.57%
1	7/2/2023	5/1/2024	10	72.86%

The total escalation = 1.43%

City of Aurora

Kane County

23-00357-00-PV

Strand Associates, Inc.

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

78.00

1.43%

[illegible]

City of Aurora

Strand Associates, Inc.

Kane County

23-00357-00-PV

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

OVERHEAD RATE	143.09%
---------------	---------

COMPLEXITY FACTOR 0

141,642

COST EST

LIBERTY STREET PHASE I ENGINEERING - MANHOURS BREAKDOWN
CITY OF AURORA



TASK	MANHOURS	SAI SCOPING COMMENTS
ADMINISTRATION		
PROGRESS REPORTS AND INVOICE PREPARATION	26	13 MONTHS X 2 HRS/EA
ADMINISTRATION TOTAL	26	
DATA COLLECTION		
OBTAIN & REVIEW EXISTING DATA FROM PLA & DEPARTMENT	8	
PROJECT VISIT	18	3 ENGINEERS X 6 HOURS
CREATE PHOTO LOG OF PROJECT CORRIDOR FOR ESRF AND PERMIT APPLICATIONS	4	
DEVELOP MAILING LIST OF STAKEHOLDERS	2	
DATA COLLECTION TOTAL	32	
TOPOGRAPHICAL SURVEY (See SUBCONSULTANT HLR Scope of Services)		
DEVELOP BASE MAP USING GEOPAK	12	
IMPORT SPATIALLY TIED AERIAL PHOTOGRAPHY	2	
TOPOGRAPHICAL SURVEY AND PLAT OF HIGHWAYS TOTAL	14	
GEOTECHNICAL ENGINEERING (SEE SUBCONSULTANT RUBINO ENGINEERING Scope of Services)		
COMMUNICATE GEOTECHNICAL ENGINEERING NEEDS	8	
REVIEW RGR & CCDD RESULTS	8	
GEOTECHNICAL ENGINEERING TOTAL	16	
ENVIRONMENTAL PROCESSING (See SUBCONSULTANT HLR Scope of Services)		
PREPARE ESRF AND SUBMIT TO DEPARTMENT FOR PROCESSING	8	
PREPARE EXHIBITS FOR ESRF	20	
COMMUNICATE WITH HLR	8	
REVIEW PESA RESULTS	8	
SITE VISIT AND WETLAND SAMPLING	11	
SHORT DELINEATION SUMMARY LETTER WITH FLORISTIC QUALITY ASSESSMENT AND 6 RESOURCE MAPPING OR DATA ATTACHMENTS	11	
SUBMITTAL OF DRAFT AND FINAL DELINEATION LETTER	6	
PREPARE AND SUBMIT WETLAND IMPACT EVALUATION	12	3 SITES, 4 HRS/EA
ENVIRONMENTAL SURVEY TOTAL	84	
PUBLIC & PRIVATE COMMUNICATION		
COMMUNICATE WITH LPA	16	
COMMUNICATE WITH DEPARTMENT	24	
PREPARE 1/4 PROJECT STATUS REPORTS	2	4 SUBMITTALS X HR/EA
PREPARE AND SEND PROJECT INITIATION LETTERS	12	
CALL JULIE DESIGN STAGE TICKET	2	
SUBMIT PLAN SHEETS AND LETTERS TO UTILITY COMPANIES	8	
UTILITY CONFLICT CHART	12	
UTILITY COMMUNICATION TOTAL	76	
LOCATION DRAINAGE TECHNICAL MEMORANDUM & DRAINAGE DESIGN		
GATHER EXISTING INFORMATION AND DESIGN CRITERIA	8	
GENERAL LOCATION DRAINAGE MAP	8	
EXISTING DRAINAGE PLAN	28	3 sheets @ 8 hrs/sheet + 4 hrs field visit
PROPOSED DRAINAGE PLAN	36	3 sheets @ 12 hrs/sheet
LOCATION DRAINAGE TECHNICAL MEMORANDUM (LDTM) PREPARATION	16	Identify drainage problems, outlet evaluation, drainage alternatives, detention design, study assembly, etc...
LDTM DRAFT SUBMITTAL	8	
LDTM REVISIONS AND FINAL SUBMITTAL	16	
LOCATION DRAINAGE TECHNICAL MEMORANDUM & DRAINAGE DESIGN TOTAL	120	
TRAFFIC & GEOMETRIC STUDIES		
PERFORM 16-HOUR TURNING MOVEMENTS AT 2 INTERSECTIONS	36	
PREPARE ANTICIPATED TRIP GENERATION	4	
REQUEST 2050 TRAFFIC PROJECTIONS FROM CMAP	2	
PREPARE TWO GEOMETRIC ALTERNATIVES BETWEEN SARTOR & COUNTY LINE	20	8 HRS EA ALT FOR GEOMETRY, 2 HRS EA ALT FOR MODELING
PREPARE ALTERNATIVES ANALYSIS SUMMARY LETTER, EXHIBITS, & OPCC	24	

LIBERTY STREET PHASE I ENGINEERING - MANHOURS BREAKDOWN
CITY OF AURORA



TASK	MANHOURS	SAI SCOPING COMMENTS
DESIGN TWO FULL-DEPTH PAVEMENT DESIGNS	6	
MODEL EX. & PR. CONDITIONS AT 3 INTERSECTIONS	30	10 HRS /EA
PERFORM TURNING TEMPLATES MOVEMENTS AT 3 INTERSECTIONS	9	3 HRS/EA INTERSECTION
PREPARE AND SUBMIT PREFINAL AND FINAL INTERSECTION DESIGN STUDIES	50	AT SARTOR.
DESIGN HORIZONTAL ALIGNMENT	8	
DESIGN VERTICAL PROFILE	16	
DETERMINE RECOMMENDED ROW NEEDS	8	
REVIEW SUPERELEVATION ON ONE HORIZONTAL CURVE	6	
DEVELOP 3 EXISTING AND PROPOSED TYPICAL SECTIONS	18	3 HRS / EA
DEVELOP PLAN AND PROFILE DRAWINGS	70	7 SHTS X 10 HRS / EA
DEVELOP CROSS SECTIONS	89	3,500 LF / 50 FT INTERVALS + ENTRANCES + INTERSECTIONS = 89 X-SEC @ 1 HR/EA
PRELIMINARY DESIGN STUDY TOTAL	396	
CRASH & SUGGEST MOT ANALYSIS		
PREPARE CRASH ANALYSIS & EXHIBITS	16	
PREPARE ALT ANALYSIS FOR DETOUR VS. STAGE CONSTRUCTION	24	
SUGGESTED MAINTENANCE OF TRAFFIC DESIGN TOTAL	40	
PROJECT DEVELOPMENT REPORTS		
PROJECT DEVELOPMENT REPORT - FEDERALLY APPROVED		
- PREPARE DRAFT REPORT AND EXHIBITS FOR LPA & DEPARTMENT REVIEW	60	
- PREPARE FINAL PDR AND EXHIBITS INCLUDING DISPOSITION OF COMMENTS	20	
OPINION OF PROBABLE CONSTRUCTION COST	16	
TEMPORARY AND PERMANENT TRAFFIC DESIGN TOTAL	96	
QUALITY CONTROL/QUALITY ASSURANCE		
-QUALITY CONTROL/QUALITY ASSURANCE	54	Approximate 5% of total hours
QUALITY CONTROL/QUALITY ASSURANCE TOTAL	54	
MEETINGS		
PLAN, PREPARE, AND ATTEND ONE VIRTUAL KICK-OFF MEETING WITH LPA	10	2 persons, 4 hr/meeting & minutes
PLAN, PREPARE, AND ATTEND ONE MEETING WITH FHWA	20	2 persons, 9 hr/meeting & minutes
PLAN, PREPARE, AND ATTEND ONE PROGRESS MEETING WITH LPA	10	2 persons, 4 hr/meeting & minutes
PLAN, PREPARE, AND ATTEND ONE PROGRESS MEETING WITH EAST AURORA SCHOOL DISTRICT 131	10	2 persons, 4 hr/meeting & minutes
PLAN, PREPARE, AND ATTEND ONE PROGRESS MEETING WITH AURORA TOWNSHIP	10	3 persons, 4 hr/meeting & minutes
PLAN, PREPARE, AND ATTEND ONE MEETING PUBLIC MEETING		
PREPARE AND MAIL NOTIFICATION LETTERS TO PROPERTIES ADJACENT TO PROJECT	10	
PREPARE PUBLIC NOTIFICATION OF MEETING FOR NEWSPAPERS TO PUBLISH	2	
EXHIBITS	24	6 exhibits x 4 hrs / ea
MEETING	10	2 persons, 5 hr/meeting
LOG OF ATTENDEES AND RESPONSES	24	
WRITTEN SUMMARY	6	
MEETINGS TOTAL	136	
PROJECT MANHOUR TOTALS	1,090.00	

Local Public Agency

City of Aurora

County

Kane County

Section Number

23-00357-00-PV

Consultant / Subconsultant Name

Strand Associates, Inc.

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	230	\$0.65	\$149.50
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day			\$0.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost			\$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	\$150.00	\$150.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)	500	\$0.15	\$75.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			\$0.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)	800	\$14.00	\$11,200.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)	2	\$1,200.00	\$2,400.00
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
Word Processing	Actual Cost	400	\$14.00	\$5,600.00
				\$0.00
				\$0.00
TOTAL DIRECT COSTS:				\$19,574.50

BLR 05514 (Rev. 11/04/22)

DIRECT COSTS

**LIBERTY STREET PHASE I ENGINEERING - MANHOURS BREAKDOWN
CITY OF AURORA**



Exhibit E

EXPENSE		QTY	RATE	TOTAL
XEROX (In-House)	3 copies of Report & Wetland Delineation	450	\$0.15	\$67.50
XEROX 11"X17" (In-House)	Supporting figures.	50	\$0.15	\$7.50
PUBLIC MEETING NEWSPAPER ADVERTISEMENT	2 advertisements x \$1.2K	2	\$1,200.00	\$2,400.00
POSTAGE (Outside)	Mailing of invoices, reports, and letters.	10	\$15.00	\$150.00
TOTALS				\$2,625.00



Liberty Street Phase I Engineering Environmental and Topographical Survey Scope

Task 1: Preliminary Environmental Site Assessment (PESA)

This scope includes completing a Preliminary Environmental Site Assessment by Hampton, Lenzini and Renwick (SUBCONSULTANT). The PESA will be prepared using historical and geological information. The specific methods used to conduct the assessment are contained in 1) ASTM Standards E1527-13, 2) A Manual for Conducting Preliminary Environmental Site Assessments for Illinois Department of Transportation Highway Projects (Erdmann et al., 2012), 3) Special Wastes Procedures for Local Highway Improvements (IDOT Local Roads Manual, July 22, 2004), and 4) "IDOT Bureau of Design and Environment Manual (BDE Manual), Section 27-3.03 (b), October 2015). The PESA will include a database search, review of historical records, an on-site evaluation, and review of other project conditions that may give us insight into the existing environmental conditions along the route.

Once the review has been completed, a written report will be completed and submitted as documentation to the on-site analysis. This report will accompany various site photographs, maps, and the above referenced documentation, which will be utilized to assist the project evaluation and any applicable recommendations.

Direct costs- \$500 (EDR report)

Task 2: Topographic Survey

Control Points – Set approximately 10 control points. Control will be horizontally located with GPS on NAD 83 IL East State plane coordinates. A digital level loop will be completed through the control, elevations will be based on NAVD 88 datum holding one of the GPS control points.

Topographic Survey – Topo of the area will be completed with ground-based scanner/LIDAR and features will be extracted on a 50 foot cross section interval perpendicular to the street the cross section is on. Typical hard surface items such as curb, roadway, sidewalks, trees, signs, driveways and building faces will be collected and defined in the topographic survey. Additional conventional topo work will be completed in highly vegetated areas to supplement the LIDAR data.

Utility location will consist of ASCE standard 38-02 Level QL-C Data. This utility survey will collect invert directions and elevations on storm sewer and sanitary sewer structures within the project area and 1 structure away allowing pipe elevations to be interpolated within the project location. If the 1 structure out is located on private property contact information and access will be coordinated and provided by the LPA. The utility locate shots will also be used as verification points for the ground-based LIDAR scan data. Manhole lids that are not able to be opened with a manhole pick and structures full of debris or clogged will be reported to the LPA and it will be the LPA's responsibility to coordinate with the utility provider for opening and or cleaning before returning for details.

Data deliverables features extraction linework and a surface file will be delivered in a Microstation .dgn format utilizing IDOT layer and codes. Point cloud data will be delivered in a .las and .e57 file. Scan data will also be delivered in a free/shareable google type street view program by thumb drive.

Limits of topo graphical survey include Liberty Street starting 100 feet west of centerline of Crane Avenue to 600 feet east of centerline of County Line Road, 50 foot each direction of centerline. Crane/Easterly Ave from 50 feet north of centerline of Grove Street to 100 feet south of centerline of

Liberty Street, extending 40' each side of the centerline of Crane/Eastern Avenue. Additional 20' north of sidewalks in School parking lots. Additional survey includes 100' downstream from south end of pipe, 30' each direction of cl of ditch across from school entrance. Sartor Street from centerline of Liberty Street north 600 feet, out 40 feet each direction from centerline. County Line Road from centerline of Liberty Street to 200 feet south, 50' each direction of centerline. Topo and outline north end pond to a line 100 feet south of sidewalk on south side of Liberty Street with water edge, High banks and storm sewer outfalls if they are exposed above the surface of the water.

LPA will provide SUBCONSULTANT with the county's electronic utility GIS shapefiles for the Water, Sanitary Sewer and Storm Sewer for the project area before any field work is performed.

Task 3: Locate Right-of-Way (ROW)

Locate Liberty Street right-of-way between County Line Road on the east end to the intersection of Crane Street and Eastern Avenue on the west end. The right-of-way of Liberty Street will be determined by field location of existing property monuments and plats and documents of record. The right-of-way will be located using Illinois State Plane Coordinates 1983 Datum East Zone. This scope does not include doing boundary surveys of abutting lots and parcels along Liberty Street in the survey limits.

Task 4: Project Administration

Project administration includes project coordination, scheduling, and invoice associated with these project tasks.

Local Public Agency City Of Aurora	County Kane	Section Number
Prime Consultant (Firm) Name Strand	Prepared By Erica Spolar	Date 1/25/2023
Consultant / Subconsultant Name Hampton, Lenzini and Renwick, Inc.	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

Liberty Street

PAYROLL ESCALATION TABLE

CONTRACT TERM	14	MONTHS	OVERHEAD RATE	175.97%
START DATE	3/1/2023		COMPLEXITY FACTOR	0
RAISE DATE	1/1/2024		% OF RAISE	2.00%
END DATE	4/30/2024			

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	3/1/2023	1/1/2024	10	71.43%
1	1/2/2024	5/1/2024	4	29.14%

The total escalation = 0.57%

Local Public Agency	County	Section Number
City Of Aurora	Kane	
Consultant / Subconsultant Name		Job Number
Hampton, Lenzini and Renwick, Inc.		

PAYROLL RATES

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

MAXIMUM PAYROLL RATE	78.00
ESCALATION FACTOR	0.57%

CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
Principal	\$86.50	\$78.00
Engineer 6	\$73.67	\$74.09
Engineer 5	\$62.50	\$62.86
Engineer 4	\$54.90	\$55.21
Engineer 3	\$44.07	\$44.32
Engineer 2	\$35.18	\$35.38
Engineer 1	\$33.00	\$33.19
Structural 2	\$75.00	\$75.43
Structural 1	\$60.33	\$60.67
Survey 2	\$50.75	\$51.04
Survey1	\$27.25	\$27.41
Environmental 3	\$54.67	\$54.98
Environmental 2	\$35.00	\$35.20
Environmental 1	\$25.00	\$25.14
Technician 3	\$49.00	\$49.28
Technician 2	\$37.30	\$37.51
Technician 1	\$29.50	\$29.67
Administration 2	\$51.67	\$51.97
Administration 1	\$29.30	\$29.47
Land Acquisition	\$53.00	\$53.30
Intern	\$19.00	\$19.11

EXHIBIT F

Local Public Agency	County	Section Number
City Of Aurora	Kane	
Consultant / Subconsultant Name		Job Number
Hampton, Lenzini and Renwick, Inc.		

SUBCONSULTANTS

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

[illegible]

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

Local Public Agency

City Of Aurora

County

Kane

Section Number

EXHIBIT F

Consultant / Subconsultant Name

Hampton, Lenzini and Renwick, Inc.

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			\$0.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost			\$0.00
Parking	Actual Cost			\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			\$0.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)			\$0.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost			\$0.00
Lab Services	Actual Cost (Provide breakdown of each cost)			\$0.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Driller				\$0.00
EDR Report		1	\$500.00	\$500.00
Soil Samples (assume 4 samples)				\$0.00
Plats and documents		1	\$200.00	\$200.00
TOTAL DIRECT COSTS:				\$700.00

Local Public Agency
City Of Aurora

Consultant / Subconsultant Name
Hampton, Lenzini and Renwick, Inc.

County
Kane

Job Number

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			PESA			Existing ROW			Project Admin			Topographic Survey					
		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	78.00	8.0	2.97%	2.32							8	100.00%	78.00						
Engineer 6	74.09	4.0	1.49%	1.10										4	3.70%	2.74			
Engineer 5	62.86	0.0																	
Engineer 4	55.21	0.0																	
Engineer 3	44.32	0.0																	
Engineer 2	35.38	0.0																	
Engineer 1	33.19	0.0																	
Structural 2	75.43	0.0																	
Structural 1	60.67	0.0																	
Survey 2	51.04	63.0	23.42%	11.95				63	100.00%	51.04									
Survey1	27.41	40.0	14.87%	4.08										40	37.04%	10.15			
Environmental 3	54.98	15.0	5.58%	3.07	15	16.67%	9.16												
Environmental 2	35.20	65.0	24.16%	8.51	65	72.22%	25.42												
Environmental 1	25.14	0.0																	
Technician 3	49.28	40.0	14.87%	7.33										40	37.04%	18.25			
Technician 2	37.51	34.0	12.64%	4.74	10	11.11%	4.17							24	22.22%	8.34			
Technician 1	29.67	0.0																	
Administration 2	51.97	0.0																	
Administration 1	29.47	0.0																	
Land Acquisition	53.30	0.0																	
Intern	19.11	0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
		0.0																	
TOTALS		269.0	100%	\$43.09	90.0	100.00%	\$38.75	63.0	100%	\$51.04	8.0	100%	\$78.00	108.0	100%	\$39.48	0.0	0%	\$0.00

February 13, 2023

To: Marc Grigas, P.E.
Strand Associates, Inc.
815.744.4200 ext. 3160

Re: Proposal - Geotechnical Exploration
Proposed Liberty Street Phase I
Aurora, Illinois

Proposal No. Q23.039g

Via email: Marc.Grigas@strand.com

Dear Mr. Grigas,

Rubino Engineering, Inc. (Rubino) is pleased to submit the following proposal to provide geotechnical engineering services for the above referenced project. Rubino received a request for proposal from Marc Grigas, P.E. of Strand Associates, Inc. via email on January 22, 2023.

PROJECT UNDERSTANDING

Rubino understands that Strand Associates, Inc. was selected for the Liberty Street Phase I & II project by the City of Aurora, and Rubino was on the team for RGR. The project is federally funded and will be reviewed by IDOT. Strand has requested Rubino provide a quote in cost plus fixed fee format to include soil borings and a Roadway Geotechnical Report in accordance with IDOT geotechnical manual.

Information received:

- RFP email from Marc Grigas, P.E. of Strand Associates, Inc. on January 22, 2023.
- Drawing – “Liberty St. Geotechnical Engineering” prepared by Strand
- Revision email to remove CCDD testing from scope.

Field Services Scope of Services Summary

Additional Scope discussion can be found in subsequent pages of this proposal

Client Notification Needed prior to mobilization	Please notify Rubino if this is needed upon project authorization
Site Access	Local roads
Field Equipment Method Proposed	Track-mounted Geoprobe Drill Rig & Core Machine
Traffic Control Needs	Flaggers
Boring Location Plan	See below for aerial / KMZ
Soil Sampling	SPT – 2 ½ ft to 10 feet
Soil Classification Method	IDH
Backfill Needs	Cuttings
Patching	Cold Patch
Groundwater Readings	During drilling and upon auger removal

Boring Depths

To obtain data to evaluate subsurface conditions within the proposed development/construction areas. Rubino proposes the drilling scope of work as detailed below:

NUMBER OF BORINGS WITH PAVEMENT CORES	DEPTH (FEET BEG*)	LOCATION	SPT SAMPLING INTERVALS
12	10	Liberty St from Crane Ave to 400 ft east of County Line Rd – Every 300 ft alternating lanes	2 ½ ft to 10 ft

Should any of the information on which this proposal has been based, including as described above, be inconsistent with the planned construction, Rubino requests to be contacted immediately in order to make any necessary changes to this proposal and scope of work.

SCOPE OF SERVICES DISCUSSION

The following sections outline the scope of services developed based on the information provided by the client and the information listed above in order to provide a geotechnical exploration the planned project. The exploration will be performed in general accordance with both the requested proposal information and Rubino's current understanding of the project.

Site Access & Traffic Control

Based on current site topography, surface conditions, and project discussions, Rubino anticipates that the project site will be accessible to track-mounted Geoprobe drilling equipment,

Rubino anticipates that traffic control will be necessary. Rubino will subcontract a traffic control company to provide flaggers.

Boring Locations

The approximate proposed boring locations are shown below. Rubino recommends that the borings be located and surveyed for elevation by others prior to drilling. If the borings cannot be surveyed, Rubino will locate the borings in the field by measuring distances from known, fixed site features.



SPT - Soil Sampling

Soil sampling will include split-barrel samples (ASTM D 1586) or thin-walled tube samples on cohesive soils (ASTM D 1587) at 2 ½ - foot intervals to a depth of 10 feet and 5 - foot intervals thereafter, as applicable.

Completion of Borings

Upon completion of drilling, the borings will be backfilled with soil cuttings and capped with asphalt cold patch. Some damage to ground surface may result from the drilling operations near the work areas and along ingress/egress pathways. Rubino will attempt to minimize such damage, but no restoration other than backfilling the soil test borings is included.

It should be noted that over time, some settlement may occur in the bore hole. If Rubino is requested to return to the site for the purpose of filling any bore holes that may have settled, additional time and material charges may apply.

Geotechnical Laboratory Testing

The soil samples obtained during the field exploration program will be transported to the laboratory for classification and a limited number of laboratory tests. The nature and extent of the laboratory testing program is at the discretion of Rubino Engineering, Inc. and will depend upon the subsurface conditions encountered during drilling.

Laboratory testing will be performed in accordance with ASTM procedures and may include examination of selected samples to evaluate the soils' index properties and relative strength characteristics.

Based on the proposed quantity of soil borings, anticipated depths, and project type, a list of the anticipated laboratory tests are summarized below.

LABORATORY TEST	ESTIMATED QUANTITY	SAMPLE TYPE
Atterberg Limits	6	Split spoon, bulk, or Shelby Tube
Hydrometer	6	Split spoon, bulk, or Shelby Tube
Natural Moisture Content	48	Cohesive Samples

ROADWAY GEO REPORT (RGR)

Upon completion of field and laboratory work, Rubino will prepare a roadway geotechnical engineering report (RGR) using the collected data. The report will include the following per the IDOT Geotechnical Manual:

- Cover Sheet and Table of Contents
- Project Description, Location and Scope
- Geology and Pedology
- Field Exploration
- General Subgrade Conditions

- Special Conditions, if applicable
- Construction Monitoring
- Appendices (Supporting Documentation): location map, boring plan and soil profile, boring logs, laboratory test results, SSR Charts, photographs

An electronic copy of the report will be provided. The report will be addressed to Strand Associates, Inc..

PROJECT SCHEDULE

Rubino proposes to initiate work on this project within 5 working days after receiving written authorization to proceed and we will follow the schedule below in order to complete the project:

Task	Number of Working Days
Utility clearance and rig mobilization	10 – 15
Field work including site layout and drilling	5
Laboratory Testing	10 – 12
Preparation of the RGR	15

Project schedules can be affected by weather conditions and changes in scope. If the report needs to be delivered by a specific day, please notify us as soon as possible. Preliminary verbal recommendations can be made to appropriate parties upon completion of the field investigation and laboratory testing. Rubino will need to receive a signed copy of this proposal intact prior to mobilizing the drill rig.

UTILITY LOCATE AND OUTSIDE SERVICES

Rubino will coordinate contacting the Utility “One-Call” for public utility clearance prior to the start of drilling activities. It is Rubino’s experience that this service does not mark the locations of privately owned utilities. This proposal is based on privately owned utility locates being coordinated by the owner prior to drill rig mobilization.

FEES

Rubino proposes to charge the fee for performance of the outlined scope of services on a cost plus fixed fee basis per the attached CECS. Based on the scope of services outlined above, the fee will be **\$ 25,139**

Please see the attached fee schedule for additional unit rates for services requested after issuing the geotechnical report (drawing / spec review, scope or site layout change, etc.).

Scope Limitations

Project services do not include a site evaluation to determine the presence or absence of wetlands, hazardous substances, or toxic materials.

Rock coring is not included in the scope of this exploration, therefore, the character and continuity of refusal materials, if encountered, can be determined only with a more comprehensive scope of services. Therefore, the borings will be advanced to the depths referenced above, or to refusal, whichever is shallower.

Boring, sampling and testing requirements are a function of the subsurface conditions encountered. The proposed fee is based on the existence of adequate bearing materials being encountered within the proposed boring depths. Should conditions be encountered which require a deepening of borings or additional investigation, Rubino will notify you to discuss modifying the outlined scope of services. Additional work beyond the fee will not be performed without your prior authorization.

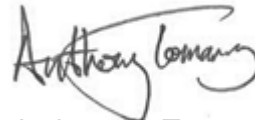
Rubino appreciates the opportunity to offer our services for this project and we look forward to working with your company. Please contact Rubino with questions pertaining to this proposal or requests for additional services.

Respectfully submitted,

RUBINO ENGINEERING, INC.



Michelle A. Lipinski, PE
President



Anthony T. Tomaras
Project Manager

**RUBINO ENGINEERING, INC. IS:
AN AASHTO-ACCREDITED LABORATORY
IDOT PREQUALIFIED
IDOT DBE-CERTIFIED (100% WOMAN-OWNED)**



Local Public Agency

City of Aurora

County

Kane

Section Number

Prime Consultant (Firm) Name

Strand Assocaites, Inc.

Prepared By

Anthony Tomaras

Date

2/13/2023

Consultant / Subconsultant Name

Rubino Engineering, Inc.

Job Number

Q23.039g

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

Remarks

RGR with twelve (12) borings to ten (10) feet below existing grade with pavement cores.

PAYROLL ESCALATION TABLE

CONTRACT TERM	14	MONTHS
START DATE	3/1/2023	
RAISE DATE	3/1/2024	
END DATE	4/30/2024	

OVERHEAD RATE	169.03%
COMPLEXITY FACTOR	0
% OF RAISE	2.00%

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	3/1/2023	3/1/2024	12	85.71%
1	3/2/2024	5/1/2024	2	14.57%

County

Kane

Job Number

Q23.039g

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

MAXIMUM PAYROLL RATE	78.00
ESCALATION FACTOR	0.29%

[illegible]

EXHIBIT F

Local Public Agency	County	Section Number
City of Aurora	Kane	
Consultant / Subconsultant Name		Job Number
Rubino Engineering, Inc.		Q23.039g

SUBCONSULTANTS

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

[illegible]

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

Local Public Agency

City of Aurora

County

Kane

Section Number

EXHIBIT F

Consultant / Subconsultant Name

Rubino Engineering, Inc.

Job Number

Q23.039g

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	8	\$65.00	\$520.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost			\$0.00
Parking	Actual Cost			\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			\$0.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)			\$0.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)	2	\$2,000.00	\$4,000.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost	1	\$1,596.00	\$1,596.00
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
Mobilization	In house direct cost	2	\$647.11	\$1,294.22
Drilling (2 man crew)	In house direct cost	12	\$421.00	\$5,052.00
Pavement Coring	In house direct cost	12	\$220.00	\$2,640.00
ERIS Report	Direct Cost		\$250.00	\$0.00
TOTAL DIRECT COSTS:				\$15,102.22

City of Aurora

Kane

Section Number

Rubino Engineering, Inc.

Q23.039g

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

COMPLEXITY FACTOR 0

TASK	STAFF HOURS	PAYROLL	OVERHEAD & FRINGE BENEFITS	DIRECT COSTS	FIXED FEE	SERVICES BY OTHERS	TOTAL	% OF GRAND TOTAL
Geotechnical	90	3,300	5,578	\$15,102.22	1,089		25,069	100.00%
		-	-		-		-	
		-	-		-		-	
		-	-		-		-	
		-	-		-		-	
		-	-		-		-	
		-	-		-		-	
		-	-		-		-	
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		-	-		-		-	
		-	-		-		-	
		-	-		-		-	
Subconsultant DL					0		-	
TOTALS	90	3,300	5,578	15,102	1,089	-	25,069	100.00%

BLR 05514 (Rev. 05/27/22)

COST EST

City of Aurora

Rubino Engineering, Inc.

Kane

Section Number

Q23.039g

SHEET 1 **OF** 1