STANDARD AGREEMENT FOR PROFESSIONAL SERVICES

THIS AGREEMENT made between the City of Aurora, whose address is 44 E. Downer Place, Aurora, Illinois 60507 hereinafter called the **CLIENT** and Crawford, Murphy & Tilly, Inc., Consulting Engineers, 2750 West Washington Street, Springfield, Illinois 62702, hereinafter called the **ENGINEER**.

WITNESSETH, that whereas the **CLIENT** desires the following described professional engineering, land surveying or architectural services:

Professional design and construction engineering se Exhibit A – Scope of Services.	rvices for the New Well 105 Improvements as described in the attached
NOW THEREFORE , the ENGINEER agrees to provide the ENGINEER for these services in the manner check	de the above described services and the CLIENT agrees to compensate ked below:
change at the beginning of each calendar year. R	n the attached Exhibit C - Schedule of Hourly Charges which is subject to deimbursable direct expenses will be invoiced at cost. Professional or will be invoiced at cost plus ten percent. Note that no Professional or to the ENGINEER by another firm on this project.
At the lump sum amount of \$	
IT IS MUTUALLY AGREED THAT, payment for service by the ENGINEER.	ces rendered shall be made monthly in accordance with invoices rendered
IT IS FURTHER MUTUALLY AGREED:	
That the compensation for design phase and constr shall not exceed \$283,000, per the attached Exhibit E	ruction phase engineering services for the New Well 105 Improvements 3 without further authorization from the CLIENT.
other party hereto in respect to all the covenants and ENGINEER shall assign, sublet or transfer any part of party hereto. This AGREEMENT , and its constru accordance with the laws of the State of Illinois. This A	his partners, successors, executors, administrators and assignees to each dagreements herein and, except as above, neither the CLIENT nor the finis interest in this AGREEMENT without the written consent of the other action, validity and performance, shall be governed and construed in AGREEMENT is subject to the General Conditions attached hereto.
CLIENT:	ENGINEER:
CITY OF AURORA (Client Name)	CRAWFORD, MURPHY & TILLY, INC. They Dovady, P.E.
(Signature) (Name and Title)	Theresa O'Grady, Vice President (Name and Title)
CMT Job No.	(Name and Tide)

STANDARD GENERAL CONDITIONS Crawford, Murphy & Tilly, Inc.

1. Standard of Care

In performing its professional services hereunder, the **ENGINEER** will use that degree of care and skill ordinarily exercised, under similar circumstances, by members of its profession practicing in the same or similar locality. No other warranty, express or implied, is made or intended by the **ENGINEER'S** undertaking herein or its performance of services hereunder.

2. Reuse of Document

All Reports, Drawings, Specifications, other documents, and electronic media prepared or furnished by **ENGINEER** pursuant to this Agreement are instruments of service in respect to the Project and shall be the property of the **CLIENT**. **ENGINEER** shall retain the right of reuse of said documents and electronic media by and at the discretion of the **ENGINEER** whether or not the Project is completed. Reproducible copies of **ENGINEER'S** documents and electronic media of the Project and **ENGINEER's** documents shall be delivered to the **CLIENT**; however, Project and **ENGINEER's** documents and electronic media are not intended or represented to be suitable for reuse by the **CLIENT** or others on additions or extensions of the Project, or on any other project.

3. Termination

This Agreement may be terminated by either party upon seven days prior written notice. In the event of termination, the **ENGINEER** shall be compensated by the client for all services performed up to and including the termination date, including reimbursable expenses.

4. Parties to the Agreement

The services to be performed by the **ENGINEER** under this Agreement are intended solely for the benefit of the **CLIENT**. Nothing contained herein shall confer any rights upon or create any duties on the part of the **ENGINEER** toward any person or persons not a party to this Agreement including, but not limited to any contractor, subcontractor, supplier, or the agents, officers, employees, insurers, or sureties of any of them.

Construction and Safety

This project will be completed with CLIENT staff working alongside ENGINEER staff. The ENGINEER shall be responsible for the safety of their own personnel working on the job site. The CLIENT shall be responsible for the safety of their own personnel working on the job site.

6. Payment

CLIENT shall be invoiced once each month for work performed during the preceding period. **CLIENT** agrees to approve and pay such invoices in the manner provided by the Local Government Prompt Payment Act, 50 ILCS 505/1 et. seq. **CLIENT** further agrees to pay interest on all amounts approved and not paid at the interest rate permitted under the Local Government Prompt Payment Act.

7. <u>Insurance</u>

ENGINEER shall indemnify and save harmless CITY, its officers and employees, from suits, actions or claims of any character brought because of any injuries or damages received or sustained by any person, persons, or property resulting from any negligent act, error or omission on the part of ENGINEER.

During the term of this AGREEMENT, ENGINEER shall provide the following types of insurance with no less than the following specified amounts.

- a. Comprehensive general liability combined single limit amount of \$1,000,000 per incident, \$2,000,000 general aggregate limit.
- b. Auto Liability combined single limit amount of \$1,000,000 per incident on any vehicle driven by an R.I. while engaged in any activity within the scope of this AGREEMENT.
- c. Professional Liability \$5,000,000;
- d. Worker's Compensation Statutory Limit; the policy shall include a "Waiver of Subrogation" clause;
- e. "Umbrella Coverage" \$5,000,000.

ENGINEER shall furnish to CITY satisfactory proof of coverage of the above insurance requirements by a reliable company or companies, before commencing any work. Such proof shall consist of a current certificate executed by the insurance company(s) and shall be filed with CITY. Said certificate shall name the city of Aurora as additional, non-contributory insured and contain a clause which requires that no change shall be made to the coverage and there shall be no cancellation or lapse of such coverage unless CITY receives written notification from the insurance company providing coverage at least thirty (30)-days in advance of said cancellation or change in coverage.

City of Aurora New Well No. 105 Improvements

June 9, 2023

Exhibit A - Scope of Services

The Well #105 Improvements Programs will consist of three separate projects that will be designed and bid out separately and constructed by separate Contractors. The three projects are Well #105 Shallow Well Drilling; Well #105 Pump & Motor: and Well #105 Site Piping, Vaults & Electrical.

The proposed Well #105 site is located along Orchard Road at the southeast corner of the intersection of Illinois Avenue at 2390 W. Illinois Avenue. This site also has existing City of Aurora Fire Station No. 10. New well facilities include shallow limestone well, discharge piping/valves in vaults, electrical equipment to power the well pump/motor, as well as SCADA.

The following assumptions have been included in the development of the scope of services and estimated effort:

- SCADA will be designed by the City's SCADA integrator as an allowance to the construction of the Site Piping, Vaults & Electrical project.
- The well discharge piping will connect to the existing well collector line along Orchard Road.
- The connection to the existing well collector will be either a cut-in connection (if the well collector can be taken out of service) or a pressure connection (if the well collector cannot be taken out of service) and will be open cut.
- Electrical equipment will be housed in weatherproof enclosures mounted on concrete pedestals.
- Multiple precast manholes will be utilized for the required piping/valves (not a single cast-in-place vault).
- No HVAC, or lighting is anticipated for the vaults.
- No chemical feed or water quality monitoring at the site.
- It has been assumed that the Contractor will obtain a City building permit for the
 construction of the improvements. CMT will coordinate will the City Building Department
 during design to determine the permit requirements to include in the specifications.
 Applying for or obtaining a City Building permit has not been included in the project
 tasks
- Environmental soils testing has not been included. CMT will coordinate with the City of Aurora Water Production Division for soils testing and reporting and will include Clean Construction Demolition Debris disposal requirements in the specifications.
- It has been assumed that the ISWS will be able to provide geological information at no cost. If geological information is not readily available and requires contracting of ISWS for this project, an allowance of \$2,500 has been included in the design effort to contract with ISWS.

Project Tasks

The following tasks are anticipated to provide design phase and bidding phase engineering services for each of three projects (as appropriate).

- 1. Conduct project kick off meeting with the City.
- 2. Obtain JULIE (and any other utility) information.
- 3. Obtain records search from Environmental Data Resources (EDR) to determine shallow well feasibility. Review EDR report. Make recommendation to the City.
 - CMT will also contact ISWS for information on geological conditions that might impact the location of Well #105.
- 4. Survey the well site including connection to existing well collector. Download survey and create base sheets.
- 5. Develop preliminary well site plan, including vault locations and well collector alignment & connection. Submit to the City for review.
- 6. Prepare pre-final drawings and specifications. Submit pre-final drawings and specifications to the City for review.
- 7. Submit pre-final drawings and specifications for permitting by the following agencies:
 - o IEPA
 - Kane County Department of Transportation
 - Kane-DuPage Soil and Water Conservation District (if required based on area of disturbance)
- 8. Meeting with the City to discuss comments on pre-final drawings and specifications.
- 9. Prepare Opinion of Probable Construction Costs.
- 10. Verify construction schedule based on lead times of major equipment.
- 11. Prepare final drawings and specifications for bidding. Submit pdf and electronic copies to the City.
- 12. Provide final drawings and specifications to the City for publication through the City of Aurora Purchasing Division.
- 13. Conduct pre-bid meeting, prepare and distribute meeting minutes.
- 14. Respond to bidder's questions. Prepare and issue addenda (as necessary).
- 15. Attend bid opening and prepare bid tabulation.
- 16. Perform review of bids, prepare recommendation for award.

The following tasks are anticipated to provide construction phase engineering services for each of the three projects.

- 2. Issue Notice of Award.
- 3. Prepare five contracts for execution. Send to the Contractor for execution. Review returned contracts prior to signature by the City.
- 4. Issue Notice to Proceed.
- 5. Conduct Pre-construction meeting and prepare meeting minutes.
- 6. Review shop drawings.
 - o For well drilling: Assume 10.
 - For well pump & motor: Assume 4.
 - For site piping, vaults & electrical: Assume 20.
- 7. Perform construction observation as follows:
 - o For well drilling: Perform part-time construction observation duties for the well drilling and well pump test (assume 6 weeks − 20 hours each week − 120 hours).
 - For well pump & motor: Perform part-time construction observation duties for the well installation of the pump & motor (assume 2 weeks – 20 hours each week – 40 hours).

- For site piping, vaults & electrical: Perform full-time construction observation during installation of the site piping, vaults, and underground electrical activities (assume 4 weeks 160 hours). Perform part-time construction observation during non-buried construction such as installation of mechanical/electrical inside vaults, turf restoration (assume 12 weeks 20 hours per week 240 hours).
- 8. Respond to Questions (RFIs) during Construction.
- 9. Conduct monthly progress meetings with Contractors and Aurora Water Production Department staff.
- 10. Review and recommend submitted pay requests (in addition to final pay request noted in #13).
 - o For well drilling: Assume 3.
 - o For well pump & motor: Assume 1.
 - For site piping, vaults & electrical: Assume 4
- 11. Review submitted change order requests and requests for interpretation.
- 12. Attend start-up and testing. It has been assumed that the Aurora Water Production Department staff will perform bacteriological sampling and testing to obtain IEPA Operating Permit.
- 13. Conduct punchlist inspection and prepare punchlist.
- 14. Review and recommend final payment.
- 15. Prepare project close out documents including record drawings and O&M manuals. Submit pdf and electronic copies of record drawings to the City.

CITY OF AURORA NEW WELL NO. 105 IMPROVEMENTS

2023 PROFESSIONAL SERVICES COST ESTIMATE EXHIBIT B

CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS

9-Jun-23

		Estimated Effort	Estimated Amount
DESIGN PHA	ASE SERVICES	2.1010	, unounc
B-1	Well No. 105 Shallow Well Drilling Design	164	\$30,000
B-2	Well No. 105 Shallow Well Pump & Motor Design	96	\$16,000
B-3	Well No. 105 Site Piping, Vaults & Electrical Design	390	\$62,000
	TION PHASE SERVICES		
B-4	Well No. 105 Shallow Well Drilling Construction	296	¥ 10,000
B-5	Well No. 105 Shallow Well Pump & Motor Construction	143	\$24,000
B-6	Well No. 105 Site Piping, Vaults & Electrical Construction	n 653	\$103,000
TOTAL ENG	INEERING SERVICES	1,742	\$283,000

CONTRACT ATTACHMENT - EXHIBIT B1 - 2023 PROFESSIONAL SERVICES COST ESTIMATE

CITY OF AURORA

CLIENT WELL NO. 105 SHALLOW WELL DRILLING DESIGN PROJECT NAME 23005539.00 CMT JOB NO.

Prep By AJW DATE 05/01/23

Apprvd TLO DATE 05/01/23

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	CURRENT YEAR 2023 HOURLY RATES	\$233.22	\$233.26	\$206.07	\$186.97	\$137.89	\$122.57	\$107.62	\$133.92	\$166.49	\$136.29	\$88.59	\$83.98	TOTAL
	Kick-off Meeting with City and Data Gathering			2		2								4
	Survey and Develop Site Plan (included in B-3)													
	Prepare Preliminary Plans, Review with City Staff			6		12				8				26
	Prepare Pre-Final Plans & Specifications, Review with City Staff			8		24				12				44
	Permitting - IEPA			2		8								10
	Meet with City to Review Pre-Final Plans & Specifications			2		4								6
	Prepare OPCC & Verify Schedule			2		8								10
	Prepare Final Plans & Specifications			6		12				4				22
	Advertise for Bidding			2										2
	Conduct Pre-Bid Meeting			2		4								6
	Respond to Bidder's Questions, Issue Addenda			4		4								8
	Attend Bid Opening, Prepare Bid Tabulation Review Bids and Recommend Award					4								4
16				2		4								6 16
-	Project Management / QA-QC TOTAL MAN HOURS			16 54		00				24				164
	SUBTOTAL - BASE LABOR EFFORT			\$11,128		86 \$11,859				\$3,996				\$26,983
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	TASKS (CONTINUED)	LABOR	TRAVEL	MEALS &	PRINTING	EQUIP-	CT EXPENSE MISC	& REIMBURSA SURVEY	BLES SUBS	SUBS	OTHER	OTHER	TOTAL	TOTAL
	,		TRAVEL MILEAGE	MEALS & LODGING	PRINTING					SUBS ADMIN	OTHER EXP	OTHER EXP	TOTAL EXPENSE	FEE
	Kick-off Meeting with City and Data Gathering	LABOR			PRINTING	EQUIP-		SURVEY						
4	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan (included in B-3)	LABOR EFFORT \$688			PRINTING	EQUIP-	MISC	SURVEY	SUBS				EXPENSE	FEE \$3,338
5	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan (included in B-3) Prepare Preliminary Plans, Review with City Staff	LABOR EFFORT \$688 \$4,223			PRINTING	EQUIP-	MISC	SURVEY	SUBS				EXPENSE	FEE \$3,338 \$4,223
4 5 6	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan (included in B-3) Prepare Preliminary Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff	LABOR EFFORT \$688 \$4,223 \$6,956				EQUIP-	MISC	SURVEY	SUBS				\$2,650	FEE \$3,338 \$4,223 \$6,956
4 5 6 7	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan (included in B-3) Prepare Preliminary Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA	LABOR EFFORT \$688 \$4,223 \$6,956 \$1,515			PRINTING \$50	EQUIP-	MISC	SURVEY	SUBS				EXPENSE	\$3,338 \$4,223 \$6,956 \$1,565
4 5 6 7 8	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan (included in B-3) Prepare Preliminary Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA Meet with City to Review Pre-Final Plans & Specifications	LABOR EFFORT \$688 \$4,223 \$6,956 \$1,515 \$964				EQUIP-	MISC	SURVEY	SUBS				\$2,650	\$3,338 \$4,223 \$6,956 \$1,565 \$964
4 5 6 7 8 9-10	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan (included in B-3) Prepare Preliminary Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule	LABOR EFFORT \$688 \$4,223 \$6,956 \$1,515 \$964 \$1,515				EQUIP-	MISC	SURVEY	SUBS				\$2,650	\$4,223 \$6,956 \$1,565 \$964 \$1,515
4 5 6 7 8 9-10	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan (included in B-3) Prepare Preliminary Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications	LABOR EFFORT \$688 \$4,223 \$6,956 \$1,515 \$964 \$1,515 \$3,557				EQUIP-	MISC	SURVEY	SUBS				\$2,650	\$4,223 \$6,956 \$1,565 \$964 \$1,515 \$3,557
4 5 6 7 8 9-10 11 12	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan (included in B-3) Prepare Preliminary Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding	LABOR EFFORT \$688 \$4,223 \$6,956 \$1,515 \$964 \$1,515 \$3,557 \$412				EQUIP-	MISC	SURVEY	SUBS				\$2,650	\$4,223 \$6,956 \$1,565 \$964 \$1,515 \$3,557 \$412
4 5 6 7 8 9-10 11 12 13	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan (included in B-3) Prepare Preliminary Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding Conduct Pre-Bid Meeting	LABOR EFFORT \$688 \$4,223 \$6,956 \$1,515 \$964 \$1,515 \$3,557 \$412 \$964				EQUIP-	MISC	SURVEY	SUBS				\$2,650	\$4,223 \$6,956 \$1,565 \$964 \$1,515 \$3,557 \$412 \$964
4 5 6 7 8 9-10 11 12 13 14	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan (included in B-3) Prepare Preliminary Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding Conduct Pre-Bid Meeting Respond to Bidder's Questions, Issue Addenda	LABOR EFFORT \$688 \$4,223 \$6,956 \$1,515 \$964 \$1,515 \$3,557 \$412 \$964 \$1,376				EQUIP-	MISC	SURVEY	SUBS				\$2,650	\$4,223 \$6,956 \$1,565 \$964 \$1,515 \$3,557 \$412 \$964 \$1,376
4 5 6 7 8 9-10 11 12 13 14 15	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan (included in B-3) Prepare Preliminary Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding Conduct Pre-Bid Meeting Respond to Bidder's Questions, Issue Addenda Attend Bid Opening, Prepare Bid Tabulation	LABOR EFFORT \$688 \$4,223 \$6,956 \$1,515 \$964 \$1,515 \$3,557 \$412 \$964 \$1,376 \$552				EQUIP-	MISC	SURVEY	SUBS				\$2,650	\$4,223 \$6,956 \$1,565 \$964 \$1,515 \$3,557 \$412 \$964 \$1,376 \$552
4 5 6 7 8 9-10 11 12 13 14 15	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan (included in B-3) Prepare Preliminary Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding Conduct Pre-Bid Meeting Respond to Bidder's Questions, Issue Addenda Attend Bid Opening, Prepare Bid Tabulation Review Bids and Recommend Award	LABOR EFFORT \$688 \$4,223 \$6,956 \$1,515 \$964 \$1,515 \$3,557 \$412 \$964 \$1,376 \$552 \$964				EQUIP-	MISC	SURVEY	SUBS				\$2,650	\$4,223 \$6,956 \$1,565 \$964 \$1,515 \$3,557 \$412 \$964 \$1,376 \$552 \$964
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4 5 6 7 8 9-10 11 12 13 14 15	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan (included in B-3) Prepare Preliminary Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding Conduct Pre-Bid Meeting Respond to Bidder's Questions, Issue Addenda Attend Bid Opening, Prepare Bid Tabulation Review Bids and Recommend Award Project Management / QA-QC TOTALS TIME PERIOD OF PROJECT	LABOR EFFORT \$688 \$4,223 \$6,956 \$1,515 \$964 \$1,515 \$3,557 \$412 \$964 \$1,376 \$552 \$964 \$3,297 \$26,983 2023			\$50	EQUIPMENT	\$150 \$150 \$150 EST % (SURVEY MTL	\$2,500 \$2,500 \$2,500 INCLUDED	ADMIN			\$2,700 MULTI-YEAL	\$4,223 \$6,956 \$1,565 \$964 \$1,515 \$3,557 \$412 \$964 \$1,376 \$552 \$964 \$3,297 \$29,683 \$4 OT
4 5 6 7 8 9-10 11 12 13 14 15	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan (included in B-3) Prepare Preliminary Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Premitting - IEPA Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding Conduct Pre-Bid Meeting Respond to Bidder's Questions, Issue Addenda Attend Bid Opening, Prepare Bid Tabulation Review Bids and Recommend Award Project Management / QA-QC TOTALS TIME PERIOD OF PROJECT PERCENTAGE OF WORK TO BE PERFORMED BY YEAR	LABOR EFFORT \$688 \$4,223 \$6,956 \$1,515 \$964 \$1,515 \$3,557 \$412 \$964 \$1,376 \$552 \$964 \$3,297 \$26,983 2023 100%	MILEAGE	LODGING	\$50	TOTAL 100%	\$150 \$150 \$150 EST % (AVERAC	SURVEY MTL OF OT HRS GE OVERTIM	\$2,500 \$2,500 INCLUDED TE RATE PF	ADMIN			\$2,700 MULTI-YEAL MLTPLR &	\$4,223 \$6,956 \$1,565 \$964 \$1,515 \$3,557 \$412 \$964 \$1,376 \$552 \$964 \$3,297 \$29,683 \$4 OT
4 5 6 7 8 9-10 11 12 13 14 15	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan (included in B-3) Prepare Preliminary Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Premitting - IEPA Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding Conduct Pre-Bid Meeting Respond to Bidder's Questions, Issue Addenda Attend Bid Opening, Prepare Bid Tabulation Review Bids and Recommend Award Project Management / QA-QC TOTALS TIME PERIOD OF PROJECT PERCENTAGE OF WORK TO BE PERFORMED BY YEAR WEIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT	LABOR EFFORT \$688 \$4,223 \$6,956 \$1,515 \$964 \$1,515 \$3,557 \$412 \$964 \$1,376 \$552 \$964 \$3,297 \$26,983 2023	MILEAGE	LODGING	\$50	EQUIPMENT	\$150 \$150 \$150 EST % (AVERAC	SURVEY MTL	\$2,500 \$2,500 INCLUDED TE RATE PF	ADMIN			\$2,700 MULTI-YEAL	\$4,223 \$6,956 \$1,565 \$964 \$1,515 \$3,557 \$412 \$964 \$1,376 \$552 \$964 \$3,297 \$29,683 \$4 OT
4 5 6 7 8 9-10 11 12 13 14 15	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan (included in B-3) Prepare Preliminary Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding Conduct Pre-Bid Meeting Respond to Bidder's Questions, Issue Addenda Attend Bid Opening, Prepare Bid Tabulation Review Bids and Recommend Award Project Management / QA-QC TOTALS TIME PERIOD OF PROJECT PERCENTAGE OF WORK TO BE PERFORMED BY YEAR WEIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT ESTIMATED CONTINGENCY	LABOR EFFORT \$688 \$4,223 \$6,956 \$1,515 \$964 \$1,515 \$3,557 \$412 \$964 \$1,376 \$552 \$964 \$3,297 \$26,983 2023 100%	MILEAGE	LODGING	\$50	TOTAL 100%	\$150 \$150 \$150 EST % (AVERAC	SURVEY MTL OF OT HRS GE OVERTIM	\$2,500 \$2,500 INCLUDED TE RATE PF	ADMIN			\$2,700 MULTI-YEAL MLTPLR &	\$4,223 \$6,956 \$1,565 \$964 \$1,515 \$3,557 \$412 \$964 \$1,376 \$552 \$964 \$3,297 \$29,683 \$4 OT
4 5 6 7 8 9-10 11 12 13 14 15	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan (included in B-3) Prepare Preliminary Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Premitting - IEPA Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding Conduct Pre-Bid Meeting Respond to Bidder's Questions, Issue Addenda Attend Bid Opening, Prepare Bid Tabulation Review Bids and Recommend Award Project Management / QA-QC TOTALS TIME PERIOD OF PROJECT PERCENTAGE OF WORK TO BE PERFORMED BY YEAR WEIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT	LABOR EFFORT \$688 \$4,223 \$6,956 \$1,515 \$964 \$1,515 \$3,557 \$412 \$964 \$1,376 \$552 \$964 \$3,297 \$26,983 2023 100% 1.0000	MILEAGE	LODGING 2025	\$50	TOTAL 100%	\$150 \$150 \$150 EST % (AVERAC	SURVEY MTL OF OT HRS GE OVERTIM	\$2,500 \$2,500 INCLUDED TE RATE PF	ADMIN			\$2,700 MULTI-YEAL MLTPLR &	\$4,223 \$6,956 \$1,565 \$964 \$1,515 \$3,557 \$412 \$964 \$1,376 \$552 \$964 \$3,297 \$29,683 \$4 OT

CONTRACT ATTACHMENT - EXHIBIT B2 - 2023 PROFESSIONAL SERVICES COST ESTIMATE

CITY OF AURORA

CLIENT WELL NO. 105 SHALLOW WELL PUMP & MOTOR DESIGN PROJECT NAME 23005539.00 CMT JOB NO.

Prep By AJW DATE 05/01/23

Apprvd TLO DATE 05/01/23

TASK NO.	TASKS \ CLASSIFICATIONS	Project Enginee,	Adject Ergine	Polecy Strictling Co.	Senior Engineer	GIS Specialis	Endineer	I ARA SUNEJO	St. Technicial.	St. Technicia	Technician /	Administrative As	CAB MAN TO SILING	less of
	CURRENT YEAR 2023 HOURLY RATES	\$233.22	\$233.26	\$206.07	\$186.97	\$137.89	\$122.57	\$107.62	\$133.92	\$166.49	\$136.29	\$88.59	\$83.98	TOTAL
1-3 Kick-of	ff Meeting with City and Data Gathering	Ψ200.22	Ψ200.20	2	ψ100.57	2	Ψ122.01	Ψ107.0Z	Ψ100.02	ψ100.43	ψ100.23	ψ00.00	ψ00.00	4
4 Survey	and Develop Site Plan													
	e Preliminary Plans, Review with City Staff			2		8				4				14
6 Prepar	e Pre-Final Plans & Specifications, Review with City Staff			4		12				4				20
	ting - IEPA			2		4				-				6
	vith City to Review Pre-Final Plans & Specifications			2		4								6
	e OPCC & Verify Schedule			1		2								3
	e Final Plans & Specifications			4		8				2				<u></u>
	ise for Bidding			2										2
	ct Pre-Bid Meeting			2		4								6
	nd to Bidder's Questions, Issue Addenda			2		2								4
	Bid Opening, Prepare Bid Tabulation					4								4
	v Bids and Recommend Award			1		2								3
	t Management / QA-QC			10										10
	TOTAL MAN HOURS			34		52				10				96
	SUBTOTAL - BASE LABOR EFFORT			\$7.006		\$7,170				\$1.665				\$15,841
						. ,								,
		TOTAL						& REIMBURSA						
	TASKS (CONTINUED)	LABOR	TRAVEL	MEALS &	PRINTING	EQUIP-	MISC	SURVEY	SUBS	SUBS	OTHER	OTHER	TOTAL	TOTAL
		EFFORT	MILEAGE	LODGING		MENT		MTL		ADMIN	EXP	EXP	EXPENSE	FEE
	ff Meeting with City and Data Gathering	\$688												\$688
	and Develop Site Plan													
5 Prepare	e Preliminary Plans, Review with City Staff	\$2,181												\$2,181
	e Pre-Final Plans & Specifications, Review with City Staff	\$3.145												
7 Permitt		· · · /												\$3,145
	ting - IEPA	\$964			\$50								\$50	\$1,014
8 Meet w	vith City to Review Pre-Final Plans & Specifications	\$964			\$50								\$50	\$1,014 \$964
8 Meet w 9-10 Prepare	vith City to Review Pre-Final Plans & Specifications e OPCC & Verify Schedule	\$964 \$482			\$50								\$50	\$1,014 \$964 \$482
8 Meet w 9-10 Prepare 11 Prepare	vith City to Review Pre-Final Plans & Specifications e OPCC & Verify Schedule e Final Plans & Specifications	\$964 \$482 \$2,260			\$50								\$50	\$1,014 \$964 \$482 \$2,260
8 Meet w 9-10 Prepare 11 Prepare 12 Adverti	vith City to Review Pre-Final Plans & Specifications e OPCC & Verify Schedule e Final Plans & Specifications ise for Bidding	\$964 \$482 \$2,260 \$412			\$50								\$50	\$1,014 \$964 \$482 \$2,260 \$412
8 Meet w 9-10 Prepare 11 Prepare 12 Adverti 13 Conduc	vith City to Review Pre-Final Plans & Specifications e OPCC & Verify Schedule e Final Plans & Specifications ise for Bidding ct Pre-Bid Meeting	\$964 \$482 \$2,260 \$412 \$964			\$50								\$50	\$1,014 \$964 \$482 \$2,260 \$412 \$964
8 Meet w 9-10 Prepare 11 Prepare 12 Adverti 13 Conduct 14 Respor	vith City to Review Pre-Final Plans & Specifications e OPCC & Verify Schedule e Final Plans & Specifications ise for Bidding ct Pre-Bid Meeting nd to Bidder's Questions, Issue Addenda	\$964 \$482 \$2,260 \$412 \$964 \$688			\$50								\$50	\$1,014 \$964 \$482 \$2,260 \$412 \$964 \$688
8 Meet w 9-10 Prepare 11 Prepare 12 Adverti 13 Conduc 14 Respor 15 Attend	vith City to Review Pre-Final Plans & Specifications e OPCC & Verify Schedule e Final Plans & Specifications ise for Bidding ct Pre-Bid Meeting nd to Bidder's Questions, Issue Addenda Bid Opening, Prepare Bid Tabulation	\$964 \$482 \$2,260 \$412 \$964 \$688 \$552			\$50								\$50	\$1,014 \$964 \$482 \$2,260 \$412 \$964 \$688 \$552
8 Meet w 9-10 Prepart 11 Prepart 12 Adverti 13 Conduct 14 Respor 15 Attend 16 Review	vith City to Review Pre-Final Plans & Specifications e OPCC & Verify Schedule e Final Plans & Specifications ise for Bidding ct Pre-Bid Meeting nd to Bidder's Questions, Issue Addenda Bid Opening, Prepare Bid Tabulation v Bids and Recommend Award	\$964 \$482 \$2,260 \$412 \$964 \$688 \$552 \$482			\$50								\$50	\$1,014 \$964 \$482 \$2,260 \$412 \$964 \$688 \$552 \$482
8 Meet w 9-10 Prepart 11 Prepart 12 Adverti 13 Conduct 14 Respor 15 Attend 16 Review	vith City to Review Pre-Final Plans & Specifications e OPCC & Verify Schedule e Final Plans & Specifications ise for Bidding ct Pre-Bid Meeting nd to Bidder's Questions, Issue Addenda Bid Opening, Prepare Bid Tabulation v Bids and Recommend Award t Management / QA-QC	\$964 \$482 \$2,260 \$412 \$964 \$688 \$552 \$482 \$2,061												\$1,014 \$964 \$482 \$2,260 \$412 \$964 \$688 \$552 \$482 \$2,061
8 Meet w 9-10 Prepar 11 Prepar 12 Adverti 13 Conduc 14 Respor 15 Attend 16 Review	vith City to Review Pre-Final Plans & Specifications e OPCC & Verify Schedule e Final Plans & Specifications ise for Bidding ct Pre-Bid Meeting nd to Bidder's Questions, Issue Addenda Bid Opening, Prepare Bid Tabulation v Bids and Recommend Award Management / QA-QC TOTALS	\$964 \$482 \$2,260 \$412 \$964 \$688 \$552 \$482 \$2,061 \$15,843			\$50								\$50	\$1,014 \$964 \$482 \$2,260 \$412 \$964 \$688 \$552 \$482 \$2,061 \$15,893
8 Meet w 9-10 Prepare 11 Prepare 12 Adverti 13 Conduc 14 Respon 15 Attend 16 Review Project	vith City to Review Pre-Final Plans & Specifications e OPCC & Verify Schedule e Final Plans & Specifications ise for Bidding ct Pre-Bid Meeting nd to Bidder's Questions, Issue Addenda Bid Opening, Prepare Bid Tabulation v Bids and Recommend Award Management / QA-QC TOTALS TIME PERIOD OF PROJECT	\$964 \$482 \$2,260 \$412 \$964 \$688 \$552 \$482 \$2,061 \$15,843 2023	2024	2025		TOTAL		OF OT HRS					\$50 MULTI-YEAR	\$1,014 \$964 \$482 \$2,260 \$412 \$964 \$688 \$552 \$482 \$2,061 \$15,893 \$+ OT
8 Meet w 9-10 Prepare 11 Prepare 12 Adverti 13 Conduc 14 Respor 15 Attend 16 Review Project	vith City to Review Pre-Final Plans & Specifications e OPCC & Verify Schedule e Final Plans & Specifications ise for Bidding ct Pre-Bid Meeting nd to Bidder's Questions, Issue Addenda Bid Opening, Prepare Bid Tabulation v Bids and Recommend Award it Management / QA-QC TOTALS TIME PERIOD OF PROJECT RCENTAGE OF WORK TO BE PERFORMED BY YEAR	\$964 \$482 \$2,260 \$412 \$964 \$688 \$552 \$482 \$2,061 \$15,843 2023 100%	2024	2025	\$50	100%	AVERA(GE OVERTIM	IE RATE PF				\$50 MULTI-YEAR MLTPLR &	\$1,014 \$964 \$482 \$2,260 \$412 \$964 \$688 \$552 \$482 \$2,061 \$15,893 \$+ OT
8 Meet w 9-10 Prepare 11 Prepare 12 Adverti 13 Conduc 14 Respor 15 Attend 16 Review Project	vith City to Review Pre-Final Plans & Specifications e OPCC & Verify Schedule e Final Plans & Specifications ise for Bidding ct Pre-Bid Meeting nd to Bidder's Questions, Issue Addenda Bid Opening, Prepare Bid Tabulation v Bids and Recommend Award t Management / QA-QC TOTALS TIME PERIOD OF PROJECT RCENTAGE OF WORK TO BE PERFORMED BY YEAR EIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT	\$964 \$482 \$2,260 \$412 \$964 \$688 \$552 \$482 \$2,061 \$15,843 2023	2024	2025	\$50		AVERA(IE RATE PF				\$50 MULTI-YEAR	\$1,014 \$964 \$482 \$2,260 \$412 \$964 \$688 \$552 \$482 \$2,061 \$15,893 \$+ OT
8 Meet w 9-10 Prepare 11 Prepare 12 Adverti 13 Conduc 14 Respor 15 Attend 16 Review Project	vith City to Review Pre-Final Plans & Specifications e OPCC & Verify Schedule e Final Plans & Specifications isse for Bidding ct Pre-Bid Meeting nd to Bidder's Questions, Issue Addenda Bid Opening, Prepare Bid Tabulation v Bids and Recommend Award it Management / QA-QC TOTALS TIME PERIOD OF PROJECT RCENTAGE OF WORK TO BE PERFORMED BY YEAR EIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT ESTIMATED CONTINGENCY	\$964 \$482 \$2,260 \$412 \$964 \$688 \$552 \$482 \$2,061 \$15,843 2023 100%	2024	2025	\$50	100%	AVERA(GE OVERTIM	IE RATE PF				\$50 MULTI-YEAR MLTPLR &	\$1,014 \$964 \$482 \$2,260 \$412 \$964 \$688 \$552 \$482 \$2,061 \$15,893 \$+ OT
8 Meet w 9-10 Prepare 11 Prepare 12 Adverti 13 Conduc 14 Respor 15 Attend 16 Review Project	vith City to Review Pre-Final Plans & Specifications e OPCC & Verify Schedule e Final Plans & Specifications ise for Bidding ct Pre-Bid Meeting nd to Bidder's Questions, Issue Addenda Bid Opening, Prepare Bid Tabulation v Bids and Recommend Award t Management / QA-QC TOTALS TIME PERIOD OF PROJECT RCENTAGE OF WORK TO BE PERFORMED BY YEAR EIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT	\$964 \$482 \$2,260 \$412 \$964 \$688 \$552 \$482 \$2,061 \$15,843 2023 100% 1.0000	2024		\$50	100%	AVERA(GE OVERTIM	IE RATE PF				\$50 MULTI-YEAR MLTPLR &	\$1,014 \$964 \$482 \$2,260 \$412 \$964 \$688 \$552 \$482 \$2,061 \$15,893 \$+ OT

CONTRACT ATTACHMENT - EXHIBIT B3 - 2023 PROFESSIONAL SERVICES COST ESTIMATE

CITY OF AURORA CLIENT

PROJECT NAME WELL NO. 105 SITE PIPING, VAULTS & ELECTRICAL DESIGN 23005539.00 CMT JOB NO.

Prep By	AJW
DATE	05/01/23

Apprvd	TLO
DATE	05/01/23

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		, \	. \	Polecy Structural Est.	_ /							Administrative A	LABORSUMM.	
TASK NO.		Project Enginees	Project Engine	I garder	Senior Enginee	GIS Specialis	· ·	Land Surveyo	S. Technician	Sr. Technicia	Par Technician	ninis,	180,31	\
Ϋ́	TASKS \ CLASSIFICATIONS	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	/ " " " " " " " " " " " " " " " " " " "	"Tictus	/ %, '	\ % `	Engineer/	1 20°	\ \(\epsilon_{\chi_{\chi_{\chi_{\chi}}}}\)	\ \(\begin{align*}	"Chnic"	Tati	1 70,7	
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	CURRENT YEAR 2023 HOURLY RATES	\$233.22	\$233.26	\$206.07	\$186.97	\$137.89	\$122.57	\$107.62	\$133.92	\$166.49	\$136.29	\$88.59	\$83.98	TOTAL
1-3	Kick-off Meeting with City and Data Gathering			2		4			2					8
	Survey and Develop Site Plan			2		16			16	8				42
	Prepare Preliminary Well Site Plans, Review with City Staff			8		12		12		24				56
	Prepare Pre-Final Plans & Specifications, Review with City Staff			24		24		24		48				120
	Permitting - IEPA, KCDOT, KDSWCD			8		40								48
	Meet with City to Review Pre-Final Plans & Specifications			2		4								6
	Prepare OPCC & Verify Schedule			4		8				40				12
	Prepare Final Plans & Specifications			8		8		8		16				40
	Advertise for Bidding			2		,								2
	Conduct Pre-Bid Meeting			2		4								6
	Respond to Bidder's Questions, Issue Addenda			8		8								16
	Attend Bid Opening, Prepare Bid Tabulation Review Bids and Recommend Award					4								<u>4</u> 6
16				2		4								· ·
	Project Management / QA-QC			24		400		4.4	40	00				24
	TOTAL MAN HOURS SUBTOTAL - BASE LABOR EFFORT			96 \$19,783		136 \$18,753		44 \$4,735	18 \$2,411	96 \$15.983				390 \$61,665
	SUBTUTAL - DASE LABOR EFFURT			ֆ 19,7 os		क 10,7 55		Ψ4,/30	⊅∠,411	\$10,900				\$61,005
														-
		TOTAL				DIREC	CT EXPENSE	& REIMBURSA	BLES					
	TASKS (CONTINUED)	TOTAL LABOR	TRAVEL	MEALS &	PRINTING	DIREC	CT EXPENSE MISC	& REIMBURSA SURVEY	BLES SUBS	SUBS	OTHER	OTHER	TOTAL	TOTAL
	,		TRAVEL MILEAGE	MEALS & LODGING	PRINTING					SUBS ADMIN	OTHER EXP	OTHER EXP	TOTAL EXPENSE	FEE
	Kick-off Meeting with City and Data Gathering	LABOR			PRINTING	EQUIP-		SURVEY						FEE \$1,232
4	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan	LABOR EFFORT			PRINTING	EQUIP-		SURVEY						FEE
5	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan Prepare Preliminary Well Site Plans, Review with City Staff	LABOR EFFORT \$1,232			PRINTING	EQUIP-		SURVEY						FEE \$1,232
4 5 6	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan Prepare Preliminary Well Site Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff	LABOR EFFORT \$1,232 \$6,093 \$8,590 \$18,829			PRINTING	EQUIP-		SURVEY						FEE \$1,232 \$6,093 \$8,590 \$18,829
4 5 6 7	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan Prepare Preliminary Well Site Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA, KCDOT, KDSWCD	LABOR EFFORT \$1,232 \$6,093 \$8,590 \$18,829 \$7,164			PRINTING \$50	EQUIP-		SURVEY						FEE \$1,232 \$6,093 \$8,590 \$18,829 \$7,214
4 5 6 7 8	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan Prepare Preliminary Well Site Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA, KCDOT, KDSWCD Meet with City to Review Pre-Final Plans & Specifications	LABOR EFFORT \$1,232 \$6,093 \$8,590 \$18,829 \$7,164 \$964				EQUIP-		SURVEY					EXPENSE	FEE \$1,232 \$6,093 \$8,590 \$18,829 \$7,214 \$964
4 5 6 7 8 9-10	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan Prepare Preliminary Well Site Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA, KCDOT, KDSWCD Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule	LABOR EFFORT \$1,232 \$6,093 \$8,590 \$18,829 \$7,164 \$964 \$1,927				EQUIP-		SURVEY					EXPENSE	FEE \$1,232 \$6,093 \$8,590 \$18,829 \$7,214 \$964 \$1,927
4 5 6 7 8 9-10	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan Prepare Preliminary Well Site Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA, KCDOT, KDSWCD Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications	LABOR EFFORT \$1,232 \$6,093 \$8,590 \$18,829 \$7,164 \$964 \$1,927 \$6,276				EQUIP-		SURVEY					EXPENSE	FEE \$1,232 \$6,093 \$8,590 \$18,829 \$7,214 \$964 \$1,927 \$6,276
4 5 6 7 8 9-10 11	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan Prepare Preliminary Well Site Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA, KCDOT, KDSWCD Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding	LABOR EFFORT \$1,232 \$6,093 \$8,590 \$18,829 \$7,164 \$964 \$1,927 \$6,276 \$412				EQUIP-		SURVEY					EXPENSE	FEE \$1,232 \$6,093 \$8,590 \$18,829 \$7,214 \$964 \$1,927 \$6,276 \$412
4 5 6 7 8 9-10 11 12 13	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan Prepare Preliminary Well Site Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA, KCDOT, KDSWCD Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding Conduct Pre-Bid Meeting	LABOR EFFORT \$1,232 \$6,093 \$8,590 \$18,829 \$7,164 \$964 \$1,927 \$6,276 \$412 \$964				EQUIP-		SURVEY					EXPENSE	FEE \$1,232 \$6,093 \$8,590 \$18,829 \$7,214 \$964 \$1,927 \$6,276 \$412 \$964
4 5 6 7 8 9-10 11 12 13 14	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan Prepare Preliminary Well Site Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA, KCDOT, KDSWCD Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding Conduct Pre-Bid Meeting Respond to Bidder's Questions, Issue Addenda	LABOR EFFORT \$1,232 \$6,093 \$8,590 \$18,829 \$7,164 \$964 \$1,927 \$6,276 \$412 \$964 \$2,752				EQUIP-		SURVEY					EXPENSE	FEE \$1,232 \$6,093 \$8,590 \$18,829 \$7,214 \$964 \$1,927 \$6,276 \$412 \$964 \$2,752
4 5 6 7 8 9-10 11 12 13 14 15	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan Prepare Preliminary Well Site Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA, KCDOT, KDSWCD Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding Conduct Pre-Bid Meeting Respond to Bidder's Questions, Issue Addenda Attend Bid Opening, Prepare Bid Tabulation	LABOR EFFORT \$1,232 \$6,093 \$8,590 \$18,829 \$7,164 \$964 \$1,927 \$6,276 \$412 \$964 \$2,752 \$552				EQUIP-		SURVEY					EXPENSE	FEE \$1,232 \$6,093 \$8,590 \$18,829 \$7,214 \$964 \$1,927 \$6,276 \$412 \$964 \$2,752 \$552
4 5 6 7 8 9-10 11 12 13 14 15	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan Prepare Preliminary Well Site Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA, KCDOT, KDSWCD Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding Conduct Pre-Bid Meeting Respond to Bidder's Questions, Issue Addenda Attend Bid Opening, Prepare Bid Tabulation Review Bids and Recommend Award	LABOR EFFORT \$1,232 \$6,093 \$8,590 \$18,829 \$7,164 \$964 \$1,927 \$6,276 \$412 \$964 \$2,752 \$552 \$964				EQUIP-		SURVEY					EXPENSE	FEE \$1,232 \$6,093 \$8,590 \$18,829 \$7,214 \$964 \$1,927 \$6,276 \$412 \$964 \$2,752 \$552 \$964
4 5 6 7 8 9-10 11 12 13 14 15	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan Prepare Preliminary Well Site Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA, KCDOT, KDSWCD Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding Conduct Pre-Bid Meeting Respond to Bidder's Questions, Issue Addenda Attend Bid Opening, Prepare Bid Tabulation Review Bids and Recommend Award Project Management / QA-QC	LABOR EFFORT \$1,232 \$6,093 \$8,590 \$18,829 \$7,164 \$964 \$1,927 \$6,276 \$412 \$964 \$2,752 \$552 \$964 \$4,946			\$50	EQUIP-		SURVEY					\$50	FEE \$1,232 \$6,093 \$8,590 \$18,829 \$7,214 \$964 \$1,927 \$6,276 \$412 \$964 \$2,752 \$552 \$964 \$4,946
4 5 6 7 8 9-10 11 12 13 14 15	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan Prepare Preliminary Well Site Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Premitting - IEPA, KCDOT, KDSWCD Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding Conduct Pre-Bid Meeting Respond to Bidder's Questions, Issue Addenda Attend Bid Opening, Prepare Bid Tabulation Review Bids and Recommend Award Project Management / QA-QC TOTALS	LABOR EFFORT \$1,232 \$6,093 \$8,590 \$18,829 \$7,164 \$964 \$1,927 \$6,276 \$412 \$964 \$2,752 \$552 \$552 \$964 \$4,946 \$61,665	MILEAGE	LODGING	\$50 \$50 \$50	EQUIPMENT	MISC	SURVEY	SUBS	ADMIN			\$50 \$50	FEE \$1,232 \$6,093 \$8,590 \$18,829 \$7,214 \$964 \$1,927 \$6,276 \$412 \$964 \$2,752 \$552 \$964 \$4,946 \$61,715
4 5 6 7 8 9-10 11 12 13 14 15	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan Prepare Preliminary Well Site Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Premitting - IEPA, KCDOT, KDSWCD Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding Conduct Pre-Bid Meeting Respond to Bidder's Questions, Issue Addenda Attend Bid Opening, Prepare Bid Tabulation Review Bids and Recommend Award Project Management / QA-QC TOTALS TIME PERIOD OF PROJECT	LABOR EFFORT \$1,232 \$6,093 \$8,590 \$18,829 \$7,164 \$964 \$1,927 \$6,276 \$412 \$964 \$2,752 \$552 \$552 \$964 \$4,946 \$61,665 2023			\$50	EQUIPMENT	MISC EST % (SURVEY MTL	SUBS	ADMIN			\$50 \$50 MULTI-YEA	FEE \$1,232 \$6,093 \$8,590 \$18,829 \$7,214 \$964 \$1,927 \$6,276 \$412 \$964 \$2,752 \$552 \$964 \$4,946 \$61,715 R+OT
4 5 6 7 8 9-10 11 12 13 14 15	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan Prepare Preliminary Well Site Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Premitting - IEPA, KCDOT, KDSWCD Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding Conduct Pre-Bid Meeting Respond to Bidder's Questions, Issue Addenda Attend Bid Opening, Prepare Bid Tabulation Review Bids and Recommend Award Project Management / QA-QC TOTALS TIME PERIOD OF PROJECT PERCENTAGE OF WORK TO BE PERFORMED BY YEAR	LABOR EFFORT \$1,232 \$6,093 \$8,590 \$18,829 \$7,164 \$964 \$1,927 \$6,276 \$412 \$964 \$2,752 \$552 \$964 \$4,946 \$61,665 2023	MILEAGE	LODGING	\$50 \$50 \$50	TOTAL 100%	MISC EST % (AVERACE	SURVEY MTL	SUBS NCLUDED RE RATE PR	ADMIN			\$50 \$50 MULTI-YEA MLTPLR &	FEE \$1,232 \$6,093 \$8,590 \$18,829 \$7,214 \$964 \$1,927 \$6,276 \$412 \$964 \$2,752 \$552 \$964 \$4,946 \$61,715 R+OT
4 5 6 7 8 9-10 11 12 13 14 15	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan Prepare Preliminary Well Site Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA, KCDOT, KDSWCD Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding Conduct Pre-Bid Meeting Respond to Bidder's Questions, Issue Addenda Attend Bid Opening, Prepare Bid Tabulation Review Bids and Recommend Award Project Management / QA-QC TOTALS TIME PERIOD OF PROJECT PERCENTAGE OF WORK TO BE PERFORMED BY YEAR WEIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT	LABOR EFFORT \$1,232 \$6,093 \$8,590 \$18,829 \$7,164 \$964 \$1,927 \$6,276 \$412 \$964 \$2,752 \$552 \$552 \$964 \$4,946 \$61,665 2023	MILEAGE	LODGING	\$50 \$50 \$50	EQUIPMENT	MISC EST % (AVERACE	SURVEY MTL	SUBS NCLUDED RE RATE PR	ADMIN			\$50 \$50 MULTI-YEA	FEE \$1,232 \$6,093 \$8,590 \$18,829 \$7,214 \$964 \$1,927 \$6,276 \$412 \$964 \$2,752 \$552 \$964 \$4,946 \$61,715 R+OT
4 5 6 7 8 9-10 11 12 13 14 15	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan Prepare Preliminary Well Site Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA, KCDOT, KDSWCD Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding Conduct Pre-Bid Meeting Respond to Bidder's Questions, Issue Addenda Attend Bid Opening, Prepare Bid Tabulation Review Bids and Recommend Award Project Management / QA-QC TOTALS TIME PERIOD OF PROJECT PERCENTAGE OF WORK TO BE PERFORMED BY YEAR WEIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT ESTIMATED CONTINGENCY	LABOR EFFORT \$1,232 \$6,093 \$8,590 \$18,829 \$7,164 \$964 \$1,927 \$6,276 \$412 \$964 \$2,752 \$552 \$964 \$4,946 \$61,665 2023	MILEAGE	LODGING	\$50 \$50 \$50	TOTAL 100%	MISC EST % (AVERACE	SURVEY MTL	SUBS NCLUDED RE RATE PR	ADMIN			\$50 \$50 MULTI-YEA MLTPLR &	FEE \$1,232 \$6,093 \$8,590 \$18,829 \$7,214 \$964 \$1,927 \$6,276 \$412 \$964 \$2,752 \$552 \$964 \$4,946 \$61,715 R+OT
4 5 6 7 8 9-10 11 12 13 14 15	Kick-off Meeting with City and Data Gathering Survey and Develop Site Plan Prepare Preliminary Well Site Plans, Review with City Staff Prepare Pre-Final Plans & Specifications, Review with City Staff Permitting - IEPA, KCDOT, KDSWCD Meet with City to Review Pre-Final Plans & Specifications Prepare OPCC & Verify Schedule Prepare Final Plans & Specifications Advertise for Bidding Conduct Pre-Bid Meeting Respond to Bidder's Questions, Issue Addenda Attend Bid Opening, Prepare Bid Tabulation Review Bids and Recommend Award Project Management / QA-QC TOTALS TIME PERIOD OF PROJECT PERCENTAGE OF WORK TO BE PERFORMED BY YEAR WEIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT	LABOR EFFORT \$1,232 \$6,093 \$8,590 \$18,829 \$7,164 \$964 \$1,927 \$6,276 \$412 \$964 \$2,752 \$552 \$964 \$4,946 \$61,665 2023 100% 1.0000	MILEAGE	LODGING 2025	\$50 \$50 \$50	TOTAL 100%	MISC EST % (AVERACE	SURVEY MTL	SUBS NCLUDED RE RATE PR	ADMIN			\$50 \$50 MULTI-YEA MLTPLR &	FEE \$1,232 \$6,093 \$8,590 \$18,829 \$7,214 \$964 \$1,927 \$6,276 \$412 \$964 \$2,752 \$552 \$964 \$4,946 \$61,715 R+OT

CONTRACT ATTACHMENT - EXHIBIT B4 - 2023 PROFESSIONAL SERVICES COST ESTIMATE

CLIENT **CITY OF AURORA**

WELL NO. 105 SHALLOW WELL DRILLING CONSTRUCTION PROJECT NAME 23005539.00 CMT JOB NO.

Prep By	AJW
DATE	05/01/23

Apprvd	TLO
DATE	05/01/23

TASK NO.	TASKS \ CLASSIFICATIONS Arico		Action Chaire		Senior Engine									PLASS &
	CURRENT YEAR 2023 HOURLY RATES	\$233.22	\$233.26	\$206.07	\$186.97	\$137.89	\$122.57	\$107.62	\$133.92	\$166.49	\$136.29	\$88.59	\$83.98	TOTAL
	Issue Notice of Award, Contract Execution & Notice to Proceed					6							6	12
	Conduct pre-construction meeting, prepare minutes			4		8								12
	Review Shop Drawings (assume 10)			5		20								25
	Perform Construction Observation (6 weeks - 20 hrs/wk)					120								120
	Respond to Questions during Construction			8		8								16
	Attend Progress Meetings (3)			6		12								18
	Review Pay Requests & Schedules (3)			3		6								9
	Review Change Order Requests			8		8								16
	Attend Start-up & Testing					8								8
	Conduct punchlist inspection & prepare punchlist			1		6								7
	Review & recommend final payment			1		2								3
14	Project Close-Out includig Record Drawings			6		20								26
	Project Management			24										24
	TOTAL MAN HOURS			66		224							6	296
_	SUBTOTAL - BASE LABOR EFFORT			\$13,601		\$30,887							\$504	\$44,992
\vdash		TOTAL				DIRECT	EXPENSE & RE	IMBURSARI E	S					
	TASKS (CONTINUED)	LABOR	TRAVEL	MEALS &	PRINTING	EQUIP-	MISC	SURVEY	SUBS	SUBS	OTHER	OTHER	TOTAL	TOTAL
	More (GOM MOLE)	EFFORT	MILEAGE	LODGING	1111111111	MENT	MIGG	MTL	COBO	ADMIN	EXP	EXP	EXPENSE	FEE
1-3	Issue Notice of Award, Contract Execution & Notice to Proceed	\$1,331	22, 102	20200	\$200					7 (2)		2711	\$200	\$1,531
	Conduct pre-construction meeting, prepare minutes	\$1,927			\$200								Ψ200	\$1,927
	Review Shop Drawings (assume 10)													\$3,788
	Perform Construction Observation (6 weeks - 20 hrs/wk)	\$3,788	\$400										\$400	
	Perform Construction Observation (6 weeks - 20 hrs/wk) Respond to Questions during Construction	\$3,788 \$16,547	\$400										\$400	\$16,947
7	Respond to Questions during Construction	\$3,788 \$16,547 \$2,752											ų i ų	\$16,947 \$2,752
7 8	Respond to Questions during Construction Attend Progress Meetings (3)	\$3,788 \$16,547 \$2,752 \$2,891	\$400 \$40										\$400 \$40	\$16,947 \$2,752 \$2,931
7 8 9	Respond to Questions during Construction Attend Progress Meetings (3) Review Pay Requests & Schedules (3)	\$3,788 \$16,547 \$2,752 \$2,891 \$1,446											ų i ų	\$16,947 \$2,752 \$2,931 \$1,446
7 8 9 10	Respond to Questions during Construction Attend Progress Meetings (3) Review Pay Requests & Schedules (3) Review Change Order Requests	\$3,788 \$16,547 \$2,752 \$2,891 \$1,446 \$2,752											ų i ų	\$16,947 \$2,752 \$2,931 \$1,446 \$2,752
7 8 9 10 11	Respond to Questions during Construction Attend Progress Meetings (3) Review Pay Requests & Schedules (3) Review Change Order Requests Attend Start-up & Testing	\$3,788 \$16,547 \$2,752 \$2,891 \$1,446 \$2,752 \$1,103											ų i ų	\$16,947 \$2,752 \$2,931 \$1,446 \$2,752 \$1,103
7 8 9 10 11	Respond to Questions during Construction Attend Progress Meetings (3) Review Pay Requests & Schedules (3) Review Change Order Requests Attend Start-up & Testing Conduct punchlist inspection & prepare punchlist	\$3,788 \$16,547 \$2,752 \$2,891 \$1,446 \$2,752 \$1,103 \$1,033											7.00	\$16,947 \$2,752 \$2,931 \$1,446 \$2,752 \$1,103 \$1,033
7 8 9 10 11 12 13	Respond to Questions during Construction Attend Progress Meetings (3) Review Pay Requests & Schedules (3) Review Change Order Requests Attend Start-up & Testing	\$3,788 \$16,547 \$2,752 \$2,891 \$1,446 \$2,752 \$1,103			\$200								7.00	\$16,947 \$2,752 \$2,931 \$1,446 \$2,752 \$1,103
7 8 9 10 11 12 13	Respond to Questions during Construction Attend Progress Meetings (3) Review Pay Requests & Schedules (3) Review Change Order Requests Attend Start-up & Testing Conduct punchlist inspection & prepare punchlist Review & recommend final payment	\$3,788 \$16,547 \$2,752 \$2,891 \$1,446 \$2,752 \$1,103 \$1,033 \$482			\$200								\$40	\$16,947 \$2,752 \$2,931 \$1,446 \$2,752 \$1,103 \$1,033
7 8 9 10 11 12 13	Respond to Questions during Construction Attend Progress Meetings (3) Review Pay Requests & Schedules (3) Review Change Order Requests Attend Start-up & Testing Conduct punchlist inspection & prepare punchlist Review & recommend final payment Project Close-Out includig Record Drawings	\$3,788 \$16,547 \$2,752 \$2,891 \$1,446 \$2,752 \$1,103 \$1,033 \$482 \$3,994			\$200								\$40	\$16,947 \$2,752 \$2,931 \$1,446 \$2,752 \$1,103 \$1,033 \$482 \$4,194
7 8 9 10 11 12 13	Respond to Questions during Construction Attend Progress Meetings (3) Review Pay Requests & Schedules (3) Review Change Order Requests Attend Start-up & Testing Conduct punchlist inspection & prepare punchlist Review & recommend final payment Project Close-Out includig Record Drawings	\$3,788 \$16,547 \$2,752 \$2,891 \$1,446 \$2,752 \$1,103 \$1,033 \$482 \$3,994			\$200								\$40	\$16,947 \$2,752 \$2,931 \$1,446 \$2,752 \$1,103 \$1,033 \$482 \$4,194
7 8 9 10 11 12 13	Respond to Questions during Construction Attend Progress Meetings (3) Review Pay Requests & Schedules (3) Review Change Order Requests Attend Start-up & Testing Conduct punchlist inspection & prepare punchlist Review & recommend final payment Project Close-Out includig Record Drawings Project Management	\$3,788 \$16,547 \$2,752 \$2,891 \$1,446 \$2,752 \$1,103 \$1,033 \$482 \$3,994 \$4,946	\$40	2025	, = 0	TOTAL	EST % OI	FOT HRS II	NCLUDED	ABOVE			\$40	\$16,947 \$2,752 \$2,931 \$1,446 \$2,752 \$1,103 \$1,033 \$4482 \$4,194 \$4,946
7 8 9 10 11 12 13	Respond to Questions during Construction Attend Progress Meetings (3) Review Pay Requests & Schedules (3) Review Change Order Requests Attend Start-up & Testing Conduct punchlist inspection & prepare punchlist Review & recommend final payment Project Close-Out includig Record Drawings Project Management TOTALS	\$3,788 \$16,547 \$2,752 \$2,891 \$1,446 \$2,752 \$1,103 \$1,033 \$482 \$3,994 \$4,946	\$40	2025	\$400	TOTAL 100%	_	F OT HRS II					\$40 \$200 \$840	\$16,947 \$2,752 \$2,931 \$1,446 \$2,752 \$1,103 \$1,033 \$482 \$4,194 \$4,946 \$45,832 R+OT
7 8 9 10 11 12 13	Respond to Questions during Construction Attend Progress Meetings (3) Review Pay Requests & Schedules (3) Review Change Order Requests Attend Start-up & Testing Conduct punchlist inspection & prepare punchlist Review & recommend final payment Project Close-Out includig Record Drawings Project Management TOTALS TIME PERIOD OF PROJECT	\$3,788 \$16,547 \$2,752 \$2,891 \$1,446 \$2,752 \$1,103 \$1,033 \$482 \$3,994 \$4,946	\$440 \$440 2024	2025	\$400		AVERAGE		RATE PRE				\$40 \$200 \$840 MULTI-YEAI	\$16,947 \$2,752 \$2,931 \$1,446 \$2,752 \$1,103 \$1,033 \$482 \$4,194 \$4,946 \$45,832 R+OT
7 8 9 10 11 12 13	Respond to Questions during Construction Attend Progress Meetings (3) Review Pay Requests & Schedules (3) Review Change Order Requests Attend Start-up & Testing Conduct punchlist inspection & prepare punchlist Review & recommend final payment Project Close-Out includig Record Drawings Project Management TOTALS TIME PERIOD OF PROJECT PERCENTAGE OF WORK TO BE PERFORMED BY YEAR WEIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT	\$3,788 \$16,547 \$2,752 \$2,891 \$1,446 \$2,752 \$1,103 \$1,033 \$482 \$3,994 \$4,946	\$440 \$440 2024 100%	2025	\$400	100%	AVERAGE	OVERTIME	RATE PRE				\$40 \$200 \$840 MULTI-YEAI MLTPLR &	\$16,947 \$2,752 \$2,931 \$1,446 \$2,752 \$1,103 \$1,033 \$482 \$4,194 \$4,946 \$45,832 R+OT
7 8 9 10 11 12 13	Respond to Questions during Construction Attend Progress Meetings (3) Review Pay Requests & Schedules (3) Review Change Order Requests Attend Start-up & Testing Conduct punchlist inspection & prepare punchlist Review & recommend final payment Project Close-Out includig Record Drawings Project Management TOTALS TIME PERIOD OF PROJECT PERCENTAGE OF WORK TO BE PERFORMED BY YEAR	\$3,788 \$16,547 \$2,752 \$2,891 \$1,446 \$2,752 \$1,103 \$1,033 \$482 \$3,994 \$4,946	\$440 \$440 2024 100%	2025	\$400	100%	AVERAGE	OVERTIME	RATE PRE				\$40 \$200 \$840 MULTI-YEAI MLTPLR &	\$16,947 \$2,752 \$2,931 \$1,446 \$2,752 \$1,103 \$1,033 \$482 \$4,194 \$4,946 \$45,832 R+OT

CONTRACT ATTACHMENT - EXHIBIT B5 - 2023 PROFESSIONAL SERVICES COST ESTIMATE

CITY OF AURORA CLIENT

PROJECT NAME WELL NO. 105 SHALLOW WELL PUMP & MOTOR CONSTRUCTION 23005539.00 CMT JOB NO.

Prep By	AJW
DATE	05/01/23

Apprvd	TLO
DATE	05/01/23

ON Y STANKS CLASSIFICATIONS AND CONTROL OF THE STANKS CLASSIFICATIONS	Project Engine	Prin Project From	Pictory Strictural Elegant	Serior Engine	GIS Special	Engineer,	(and Silvero	St. Technicia,	Sr. Technicia	r, rechnician,	Administrative As	LAB WAN THE SLIMM	Class of
CURRENT YEAR 2023 HOURLY RATES	\$233.22	\$233.26	\$206.07	\$186.97	\$137.89	\$122.57	\$107.62	\$133.92	\$166.49	\$136.29	\$88.59	\$83.98	TOTAL
1-3 Issue Notice of Award, Contract Execution & Notice to Proceed	Ψ200.22	Ψ200.20	Ψ200.01	Ψ100.01	6	Ψ122.01	Ψ107.02	Ψ100.02	Ψ100.10	ψ100.20	Ψ00.00	6	12
4 Conduct pre-construction meeting, prepare minutes			4		8								12
5 Review Shop Drawings (assume 4)			2		8								10
6 Perform Construction Observation (2 weeks - 20 hrs/wk)			_		40								40
7 Respond to Questions during Construction			2		2								4
8 Attend Progress Meetings (1)	1		6		12								18
9 Review Pay Requests & Schedules (1)			1		2								3
10 Review Change Order Requests			2		2								4
11 Attend Start-up & Testing					8								8
12 Conduct punchlist inspection & prepare punchlist			1		4								5
13 Review & recommend final payment			1		2								3
14 Project Close-Out includig Record Drawings	1		4		8								12
Project Management			12										12
i rojest management													
TOTAL MAN HOURS			35		102							6	143
SUBTOTAL - BASE LABOR EFFORT			\$7,212		\$14,065							\$504	\$21,781
			, ,							•	'		
	TOTAL					EXPENSE & RE							
TASKS (CONTINUED)	LABOR	TRAVEL	MEALS &	PRINTING	EQUIP-	MISC	SURVEY	SUBS	SUBS	OTHER	OTHER	TOTAL	TOTAL
	EFFORT	MILEAGE	LODGING		MENT		l MTL I		ADMIN	EXP			
1-3 Issue Notice of Award. Contract Execution & Notice to Proceed		_			IVILIAI				710111111		EXP	EXPENSE	FEE
, -	\$1,331			\$200	IVILIVI				7.00000		EXP	\$200	\$1,531
4 Conduct pre-construction meeting, prepare minutes	\$1,927	-		\$200	IVICIVI				7(5)(11)		EXP		\$1,531 \$1,927
Conduct pre-construction meeting, prepare minutes Review Shop Drawings (assume 4)	\$1,927 \$1,515			\$200	WEINT				7.5000		EXP	\$200	\$1,531 \$1,927 \$1,515
4 Conduct pre-construction meeting, prepare minutes 5 Review Shop Drawings (assume 4) 6 Perform Construction Observation (2 weeks - 20 hrs/wk)	\$1,927 \$1,515 \$5,516	\$150		\$200	WENT				, and a second		EXP		\$1,531 \$1,927 \$1,515 \$5,666
4 Conduct pre-construction meeting, prepare minutes 5 Review Shop Drawings (assume 4) 6 Perform Construction Observation (2 weeks - 20 hrs/wk) 7 Respond to Questions during Construction	\$1,927 \$1,515 \$5,516 \$688			\$200	WENT				, town t		EXP	\$200 \$150	\$1,531 \$1,927 \$1,515 \$5,666 \$688
4 Conduct pre-construction meeting, prepare minutes 5 Review Shop Drawings (assume 4) 6 Perform Construction Observation (2 weeks - 20 hrs/wk) 7 Respond to Questions during Construction 8 Attend Progress Meetings (1)	\$1,927 \$1,515 \$5,516 \$688 \$2,891	\$150 \$150		\$200	WENT				A DIVINI		EXP	\$200	\$1,531 \$1,927 \$1,515 \$5,666 \$688 \$3,041
4 Conduct pre-construction meeting, prepare minutes 5 Review Shop Drawings (assume 4) 6 Perform Construction Observation (2 weeks - 20 hrs/wk) 7 Respond to Questions during Construction 8 Attend Progress Meetings (1) 9 Review Pay Requests & Schedules (1)	\$1,927 \$1,515 \$5,516 \$688 \$2,891 \$482			\$200	WENT				A DIVINI		EXP	\$200 \$150	\$1,531 \$1,927 \$1,515 \$5,666 \$688 \$3,041 \$482
4 Conduct pre-construction meeting, prepare minutes 5 Review Shop Drawings (assume 4) 6 Perform Construction Observation (2 weeks - 20 hrs/wk) 7 Respond to Questions during Construction 8 Attend Progress Meetings (1) 9 Review Pay Requests & Schedules (1) 10 Review Change Order Requests	\$1,927 \$1,515 \$5,516 \$688 \$2,891 \$482 \$688			\$200	WENT				7.D.WIII		EXP	\$200 \$150	\$1,531 \$1,927 \$1,515 \$5,666 \$688 \$3,041 \$482 \$688
4 Conduct pre-construction meeting, prepare minutes 5 Review Shop Drawings (assume 4) 6 Perform Construction Observation (2 weeks - 20 hrs/wk) 7 Respond to Questions during Construction 8 Attend Progress Meetings (1) 9 Review Pay Requests & Schedules (1) 10 Review Change Order Requests 11 Attend Start-up & Testing	\$1,927 \$1,515 \$5,516 \$688 \$2,891 \$482 \$688 \$1,103			\$200	WENT				7.57		EXP	\$200 \$150	\$1,531 \$1,927 \$1,515 \$5,666 \$688 \$3,041 \$482 \$688 \$1,103
4 Conduct pre-construction meeting, prepare minutes 5 Review Shop Drawings (assume 4) 6 Perform Construction Observation (2 weeks - 20 hrs/wk) 7 Respond to Questions during Construction 8 Attend Progress Meetings (1) 9 Review Pay Requests & Schedules (1) 10 Review Change Order Requests 11 Attend Start-up & Testing 12 Conduct punchlist inspection & prepare punchlist	\$1,927 \$1,515 \$5,516 \$688 \$2,891 \$482 \$688 \$1,103 \$758			\$200	WEIGH						EXP	\$200 \$150	\$1,531 \$1,927 \$1,515 \$5,666 \$688 \$3,041 \$482 \$688 \$1,103 \$758
4 Conduct pre-construction meeting, prepare minutes 5 Review Shop Drawings (assume 4) 6 Perform Construction Observation (2 weeks - 20 hrs/wk) 7 Respond to Questions during Construction 8 Attend Progress Meetings (1) 9 Review Pay Requests & Schedules (1) 10 Review Change Order Requests 11 Attend Start-up & Testing 12 Conduct punchlist inspection & prepare punchlist 13 Review & recommend final payment	\$1,927 \$1,515 \$5,516 \$688 \$2,891 \$482 \$688 \$1,103 \$758 \$482				WEIVI						EXP	\$200 \$150 \$150	\$1,531 \$1,927 \$1,515 \$5,666 \$688 \$3,041 \$482 \$688 \$1,103 \$758 \$482
4 Conduct pre-construction meeting, prepare minutes 5 Review Shop Drawings (assume 4) 6 Perform Construction Observation (2 weeks - 20 hrs/wk) 7 Respond to Questions during Construction 8 Attend Progress Meetings (1) 9 Review Pay Requests & Schedules (1) 10 Review Change Order Requests 11 Attend Start-up & Testing 12 Conduct punchlist inspection & prepare punchlist 13 Review & recommend final payment 14 Project Close-Out includig Record Drawings	\$1,927 \$1,515 \$5,516 \$688 \$2,891 \$482 \$688 \$1,103 \$758 \$482 \$1,927			\$200	WEIVI						EXP	\$200 \$150	\$1,531 \$1,927 \$1,515 \$5,666 \$688 \$3,041 \$482 \$688 \$1,103 \$758 \$482 \$2,127
4 Conduct pre-construction meeting, prepare minutes 5 Review Shop Drawings (assume 4) 6 Perform Construction Observation (2 weeks - 20 hrs/wk) 7 Respond to Questions during Construction 8 Attend Progress Meetings (1) 9 Review Pay Requests & Schedules (1) 10 Review Change Order Requests 11 Attend Start-up & Testing 12 Conduct punchlist inspection & prepare punchlist 13 Review & recommend final payment	\$1,927 \$1,515 \$5,516 \$688 \$2,891 \$482 \$688 \$1,103 \$758 \$482				WEIVI						EXP	\$200 \$150 \$150	\$1,531 \$1,927 \$1,515 \$5,666 \$688 \$3,041 \$482 \$688 \$1,103 \$758 \$482
4 Conduct pre-construction meeting, prepare minutes 5 Review Shop Drawings (assume 4) 6 Perform Construction Observation (2 weeks - 20 hrs/wk) 7 Respond to Questions during Construction 8 Attend Progress Meetings (1) 9 Review Pay Requests & Schedules (1) 10 Review Change Order Requests 11 Attend Start-up & Testing 12 Conduct punchlist inspection & prepare punchlist 13 Review & recommend final payment 14 Project Close-Out includig Record Drawings Project Management	\$1,927 \$1,515 \$5,516 \$688 \$2,891 \$482 \$688 \$1,103 \$758 \$482 \$1,927 \$2,473	\$150		\$200	WEIVI						EXP	\$200 \$150 \$150 \$200	\$1,531 \$1,927 \$1,515 \$5,666 \$688 \$3,041 \$482 \$688 \$1,103 \$758 \$482 \$2,127 \$2,473
4 Conduct pre-construction meeting, prepare minutes 5 Review Shop Drawings (assume 4) 6 Perform Construction Observation (2 weeks - 20 hrs/wk) 7 Respond to Questions during Construction 8 Attend Progress Meetings (1) 9 Review Pay Requests & Schedules (1) 10 Review Change Order Requests 11 Attend Start-up & Testing 12 Conduct punchlist inspection & prepare punchlist 13 Review & recommend final payment 14 Project Close-Out includig Record Drawings Project Management TOTALS	\$1,927 \$1,515 \$5,516 \$688 \$2,891 \$482 \$688 \$1,103 \$758 \$482 \$1,103 \$758 \$482 \$1,927 \$2,473	\$150 \$150 \$300		\$200							EXP	\$200 \$150 \$150 \$200 \$700	\$1,531 \$1,927 \$1,515 \$5,666 \$688 \$3,041 \$482 \$688 \$1,103 \$758 \$482 \$2,127 \$2,473
4 Conduct pre-construction meeting, prepare minutes 5 Review Shop Drawings (assume 4) 6 Perform Construction Observation (2 weeks - 20 hrs/wk) 7 Respond to Questions during Construction 8 Attend Progress Meetings (1) 9 Review Pay Requests & Schedules (1) 10 Review Change Order Requests 11 Attend Start-up & Testing 12 Conduct punchlist inspection & prepare punchlist 13 Review & recommend final payment 14 Project Close-Out includig Record Drawings Project Management TOTALS TIME PERIOD OF PROJECT	\$1,927 \$1,515 \$5,516 \$688 \$2,891 \$482 \$688 \$1,103 \$758 \$482 \$1,927 \$2,473	\$150 \$150 \$300 2024	2025	\$200	TOTAL		FOT HRS IN		ABOVE		EXP	\$200 \$150 \$150 \$200 \$700 MULTI-YEAR	\$1,531 \$1,927 \$1,515 \$5,666 \$688 \$3,041 \$482 \$688 \$1,103 \$758 \$482 \$2,127 \$2,473
4 Conduct pre-construction meeting, prepare minutes 5 Review Shop Drawings (assume 4) 6 Perform Construction Observation (2 weeks - 20 hrs/wk) 7 Respond to Questions during Construction 8 Attend Progress Meetings (1) 9 Review Pay Requests & Schedules (1) 10 Review Change Order Requests 11 Attend Start-up & Testing 12 Conduct punchlist inspection & prepare punchlist 13 Review & recommend final payment 14 Project Close-Out includig Record Drawings Project Management TOTALS TIME PERIOD OF PROJECT PERCENTAGE OF WORK TO BE PERFORMED BY YEAR	\$1,927 \$1,515 \$5,516 \$688 \$2,891 \$482 \$688 \$1,103 \$758 \$482 \$1,103 \$758 \$482 \$1,927 \$2,473	\$150 \$150 \$300 2024 100%		\$200	TOTAL 100%	AVERAGI	OVERTIME	RATE PRI	ABOVE		EXP	\$200 \$150 \$150 \$200 \$700 MULTI-YEAR MLTPLR &	\$1,531 \$1,927 \$1,515 \$5,666 \$688 \$3,041 \$482 \$688 \$1,103 \$758 \$482 \$2,127 \$2,473
4 Conduct pre-construction meeting, prepare minutes 5 Review Shop Drawings (assume 4) 6 Perform Construction Observation (2 weeks - 20 hrs/wk) 7 Respond to Questions during Construction 8 Attend Progress Meetings (1) 9 Review Pay Requests & Schedules (1) 10 Review Change Order Requests 11 Attend Start-up & Testing 12 Conduct punchlist inspection & prepare punchlist 13 Review & recommend final payment 14 Project Close-Out includig Record Drawings Project Management TOTALS TIME PERIOD OF PROJECT PERCENTAGE OF WORK TO BE PERFORMED BY YEAR WEIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT	\$1,927 \$1,515 \$5,516 \$688 \$2,891 \$482 \$688 \$1,103 \$758 \$482 \$1,103 \$758 \$482 \$1,927 \$2,473	\$150 \$150 \$300 2024		\$200	TOTAL	AVERAGI		RATE PRI	ABOVE		EXP	\$200 \$150 \$150 \$200 \$700 MULTI-YEAR	\$1,531 \$1,927 \$1,515 \$5,666 \$688 \$3,041 \$482 \$688 \$1,103 \$758 \$482 \$2,127 \$2,473
4 Conduct pre-construction meeting, prepare minutes 5 Review Shop Drawings (assume 4) 6 Perform Construction Observation (2 weeks - 20 hrs/wk) 7 Respond to Questions during Construction 8 Attend Progress Meetings (1) 9 Review Pay Requests & Schedules (1) 10 Review Change Order Requests 11 Attend Start-up & Testing 12 Conduct punchlist inspection & prepare punchlist 13 Review & recommend final payment 14 Project Close-Out includig Record Drawings Project Management TOTALS TIME PERIOD OF PROJECT PERCENTAGE OF WORK TO BE PERFORMED BY YEAR WEIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT ESTIMATED CONTINGENCY	\$1,927 \$1,515 \$5,516 \$688 \$2,891 \$482 \$688 \$1,103 \$758 \$482 \$1,103 \$758 \$482 \$1,927 \$2,473	\$150 \$150 \$300 2024 100%		\$200	TOTAL 100%	AVERAGI	OVERTIME	RATE PRI	ABOVE		EXP	\$200 \$150 \$150 \$200 \$700 MULTI-YEAR MLTPLR &	\$1,531 \$1,927 \$1,515 \$5,666 \$688 \$3,041 \$482 \$688 \$1,103 \$758 \$482 \$2,127 \$2,473
4 Conduct pre-construction meeting, prepare minutes 5 Review Shop Drawings (assume 4) 6 Perform Construction Observation (2 weeks - 20 hrs/wk) 7 Respond to Questions during Construction 8 Attend Progress Meetings (1) 9 Review Pay Requests & Schedules (1) 10 Review Change Order Requests 11 Attend Start-up & Testing 12 Conduct punchlist inspection & prepare punchlist 13 Review & recommend final payment 14 Project Close-Out includig Record Drawings Project Management TOTALS TIME PERIOD OF PROJECT PERCENTAGE OF WORK TO BE PERFORMED BY YEAR WEIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT	\$1,927 \$1,515 \$5,516 \$688 \$2,891 \$482 \$688 \$1,103 \$758 \$482 \$1,927 \$2,473 \$21,781 2023	\$150 \$150 \$300 2024 100%	2025	\$200	TOTAL 100%	AVERAGI	OVERTIME	RATE PRI	ABOVE		EXP	\$200 \$150 \$150 \$200 \$700 MULTI-YEAR MLTPLR &	\$1,531 \$1,927 \$1,515 \$5,666 \$688 \$3,041 \$482 \$688 \$1,103 \$758 \$482 \$2,127 \$2,473

CONTRACT ATTACHMENT - EXHIBIT B6 - 2023 PROFESSIONAL SERVICES COST ESTIMATE

CLIENT

CITY OF AURORA

PROJECT NAME WELL NO. 105 SITE PIPING, VAULTS & ELECTRICAL CONSTRUCTION CMT JOB NO. 23005539.00

Prep By AJW 05/01/23 DATE

Apprvd TLO DATE 05/01/23

ON YOU TASKS \ CLASSIFICATIONS Arigonal Control of the Control of		Project Enginee		Senior Engine								CAR MAN THE SUMME	
CURRENT YEAR 2023 HOURLY RATES	\$233.22	\$233.26	\$206.07	\$186.97	\$137.89	\$122.57	\$107.62	\$133.92	\$166.49	\$136.29	\$88.59	\$83.98	TOTAL
1-3 Issue Notice of Award, Contract Execution & Notice to Proceed					6							6	12
4 Conduct pre-construction meeting, prepare minutes			4		8								12
5 Review Shop Drawings (assume 20)			10		40								50
6 Perform Construction Observation (16 weeks - FT & PT)					400								400
7 Respond to Questions during Construction			12		12								24
8 Attend Progress Meetings (4)			8		16								24
9 Review Pay Requests & Schedules (4)			4		8								12
10 Review Change Order Requests			12		12								24
11 Attend Start-up & Testing			8		8								16
12 Conduct punchlist inspection & prepare punchlist			4		6								10
13 Review & recommend final payment			1		2								3
14 Project Close-Out including Record Drawings			6		20								26
Project Management			40										40
TOTAL MAN HOURS			109		538							6	653
SUBTOTAL - BASE LABOR EFFORT			\$22,462		\$74,185							\$504	\$97,151
	TOTAL				DIRECT	EXPENSE & RE	IMRI IRSARI E	9					
TASKS (CONTINUED)	LABOR EFFORT	TRAVEL MILEAGE	MEALS & LODGING	PRINTING	EQUIP- MENT	MISC	SURVEY MTL	SUBS	SUBS ADMIN	OTHER EXP	OTHER EXP	TOTAL EXPENSE	TOTAL FEE
1-3 Issue Notice of Award, Contract Execution & Notice to Proceed	\$1,331			\$200								\$200	\$1,531
4 Conduct pre-construction meeting, prepare minutes	\$1,927			,									\$1.927
5 Review Shop Drawings (assume 20)	\$7,576												\$7,576
6 Perform Construction Observation (16 weeks - FT & PT)	\$55,156												
		\$600										\$600	\$55.756
■ 7 IRespond to Questions during Construction		\$600										\$600	\$55,756 \$4.128
7 Respond to Questions during Construction 8 Attend Progress Meetings (4)	\$4,128											\$600 \$40	\$4,128
7 Respond to Questions during Construction 8 Attend Progress Meetings (4) 9 Review Pay Requests & Schedules (4)		\$600 \$40											
8 Attend Progress Meetings (4)	\$4,128 \$3,855												\$4,128 \$3,895
Attend Progress Meetings (4) Review Pay Requests & Schedules (4)	\$4,128 \$3,855 \$1,927												\$4,128 \$3,895 \$1,927
8 Attend Progress Meetings (4) 9 Review Pay Requests & Schedules (4) 10 Review Change Order Requests 11 Attend Start-up & Testing	\$4,128 \$3,855 \$1,927 \$4,128												\$4,128 \$3,895 \$1,927 \$4,128
8 Attend Progress Meetings (4) 9 Review Pay Requests & Schedules (4) 10 Review Change Order Requests	\$4,128 \$3,855 \$1,927 \$4,128 \$2,752												\$4,128 \$3,895 \$1,927 \$4,128 \$2,752
8 Attend Progress Meetings (4) 9 Review Pay Requests & Schedules (4) 10 Review Change Order Requests 11 Attend Start-up & Testing 12 Conduct punchlist inspection & prepare punchlist	\$4,128 \$3,855 \$1,927 \$4,128 \$2,752 \$1,652			\$200									\$4,128 \$3,895 \$1,927 \$4,128 \$2,752 \$1,652
8 Attend Progress Meetings (4) 9 Review Pay Requests & Schedules (4) 10 Review Change Order Requests 11 Attend Start-up & Testing 12 Conduct punchlist inspection & prepare punchlist 13 Review & recommend final payment	\$4,128 \$3,855 \$1,927 \$4,128 \$2,752 \$1,652 \$482			\$200								\$40	\$4,128 \$3,895 \$1,927 \$4,128 \$2,752 \$1,652 \$482
8 Attend Progress Meetings (4) 9 Review Pay Requests & Schedules (4) 10 Review Change Order Requests 11 Attend Start-up & Testing 12 Conduct punchlist inspection & prepare punchlist 13 Review & recommend final payment 14 Project Close-Out including Record Drawings	\$4,128 \$3,855 \$1,927 \$4,128 \$2,752 \$1,652 \$482 \$3,994			\$200								\$40	\$4,128 \$3,895 \$1,927 \$4,128 \$2,752 \$1,652 \$482 \$4,194
8 Attend Progress Meetings (4) 9 Review Pay Requests & Schedules (4) 10 Review Change Order Requests 11 Attend Start-up & Testing 12 Conduct punchlist inspection & prepare punchlist 13 Review & recommend final payment 14 Project Close-Out including Record Drawings	\$4,128 \$3,855 \$1,927 \$4,128 \$2,752 \$1,652 \$482 \$3,994			\$200								\$40	\$4,128 \$3,895 \$1,927 \$4,128 \$2,752 \$1,652 \$482 \$4,194
8 Attend Progress Meetings (4) 9 Review Pay Requests & Schedules (4) 10 Review Change Order Requests 11 Attend Start-up & Testing 12 Conduct punchlist inspection & prepare punchlist 13 Review & recommend final payment 14 Project Close-Out including Record Drawings Project Management	\$4,128 \$3,855 \$1,927 \$4,128 \$2,752 \$1,652 \$482 \$3,994 \$8,243	\$40	2025	,	TOTAL	EST % OI	FOT HRS IN	NCLUDED	ABOVE			\$40	\$4,128 \$3,895 \$1,927 \$4,128 \$2,752 \$1,652 \$482 \$4,194 \$8,243
8 Attend Progress Meetings (4) 9 Review Pay Requests & Schedules (4) 10 Review Change Order Requests 11 Attend Start-up & Testing 12 Conduct punchlist inspection & prepare punchlist 13 Review & recommend final payment 14 Project Close-Out including Record Drawings Project Management TOTALS	\$4,128 \$3,855 \$1,927 \$4,128 \$2,752 \$1,652 \$482 \$3,994 \$8,243	\$40	2025	\$400	TOTAL 100%	-	F OT HRS IN					\$40 \$200 \$1,040	\$4,128 \$3,895 \$1,927 \$4,128 \$2,752 \$1,652 \$482 \$4,194 \$8,243 \$98,191 R+OT
8 Attend Progress Meetings (4) 9 Review Pay Requests & Schedules (4) 10 Review Change Order Requests 11 Attend Start-up & Testing 12 Conduct punchlist inspection & prepare punchlist 13 Review & recommend final payment 14 Project Close-Out including Record Drawings Project Management TOTALS TIME PERIOD OF PROJECT	\$4,128 \$3,855 \$1,927 \$4,128 \$2,752 \$1,652 \$482 \$3,994 \$8,243	\$40 \$640 2024	2025	\$400		AVERAGI		RATE PRI				\$40 \$200 \$1,040 MULTI-YEAF	\$4,128 \$3,895 \$1,927 \$4,128 \$2,752 \$1,652 \$482 \$4,194 \$8,243 \$98,191 R+OT
8 Attend Progress Meetings (4) 9 Review Pay Requests & Schedules (4) 10 Review Change Order Requests 11 Attend Start-up & Testing 12 Conduct punchlist inspection & prepare punchlist 13 Review & recommend final payment 14 Project Close-Out including Record Drawings Project Management TOTALS TIME PERIOD OF PROJECT PERCENTAGE OF WORK TO BE PERFORMED BY YEAR	\$4,128 \$3,855 \$1,927 \$4,128 \$2,752 \$1,652 \$482 \$3,994 \$8,243	\$40 \$640 2024 100%	2025	\$400	100%	AVERAGI	OVERTIME	RATE PRI				\$200 \$200 \$1,040 MULTI-YEAF MLTPLR &	\$4,128 \$3,895 \$1,927 \$4,128 \$2,752 \$1,652 \$482 \$4,194 \$8,243 \$98,191 R+OT
8 Attend Progress Meetings (4) 9 Review Pay Requests & Schedules (4) 10 Review Change Order Requests 11 Attend Start-up & Testing 12 Conduct punchlist inspection & prepare punchlist 13 Review & recommend final payment 14 Project Close-Out including Record Drawings Project Management TOTALS TIME PERIOD OF PROJECT PERCENTAGE OF WORK TO BE PERFORMED BY YEAR WEIGHTING FACTOR FOR 5% ANNUAL ADJUSTMENT	\$4,128 \$3,855 \$1,927 \$4,128 \$2,752 \$1,652 \$482 \$3,994 \$8,243	\$40 \$640 2024 100%	2025	\$400	100%	AVERAGI	OVERTIME	RATE PRI				\$200 \$200 \$1,040 MULTI-YEAF MLTPLR &	\$4,128 \$3,895 \$1,927 \$4,128 \$2,752 \$1,652 \$482 \$4,194 \$8,243 \$98,191 R+OT

EXHIBIT C CITY OF AURORA NEW WELL 105 IMPROVEMENTS

CLASS NO.	CLASSIFICATION	2022 AVG DIRECT LABOR RATE	ESTIMATE 2023 AVG DIRECT LABOR RATE (2022 Rate x 7.0%)	BILLING RATE Dir Labor x 2.99 Multiplier)
10	Principal (IDOT Cap is \$78)	78.00	78.00	233.22
20	Project Engineer II	72.91	78.01	233.26
30	Project Engineer I (Traffic Engineer)	64.41	68.92	206.07
36	Project Structural Engineer I	58.44	62.53	186.97
40	Sr. Engineer I	43.10	46.12	137.89
42	Technical Manager II	62.31	66.67	199.35
44	GIS Specialist	38.31	40.99	122.57
47	Sr. Structural Engineer I	46.85	50.13	149.89
50	Engineer I	33.64	35.99	107.62
56	Structural Engineer I	34.79	37.23	111.30
60	Planner I	33.92	36.29	108.52
65	Technical Manager I	31.33	33.52	100.23
70	Land Surveyor	41.86	44.79	133.92
80	Sr. Technician I	42.60	45.58	136.29
81	Sr. Technician II	52.04	55.68	166.49
90	Technician II	39.90	42.69	127.65
100	Technician I	27.69	29.63	88.59
110	Administrative/Accounting Assistant	26.25	28.09	83.98

Computation of Billing Rate Multiplier:

Direct labor factor	1.0000
Audited overhead rate	1.7226
Subtotal	2.7226
Profit factor	1.10
Total	2.99

Overhead and rate calculation is based on AASHTO guidelines for all US DOT's nationwide.