PROFESSIONAL SERVICES SUPPLEMENTAL AGREEMENT # 1 FOR SH 130 WATERLINE PROJECT

STATE OF TEXAS §
COUNTY OF TRAVIS §

This Supplemental Agreement No. 1/2 to a contract for Professional Services is made by and between the City of Pflugerville, Texas ("City") and Walker Partners, LLC ("Consultant"). City and Consultant may be referred to herein singularly as "Party" or collectively as the "Parties."

WHEREAS, the City and Consultant executed an Agreement for Professional Services ("Agreement") on the 11th day of October, 2022 for the SH 130 Waterline project ("Project") in the amount of Six Hundred Forty-Eight Thousand Seven Hundred Seventy-Eight dollars (\$648,778.00).

WHEREAS, the City and Consultant desire to enter into a Supplemental Agreement # 1 for Professional Services for the Project in the amount of \$957,358.00, to add Scope of Services and modify the Work Schedule and Compensation to the Agreement; and

WHEREAS, it has become necessary to amend the Agreement to modify the provisions for the Scope of Services, Work Schedule, and Compensation; and

WHEREAS, it is necessary for the City to amend its agreements from time to time to comply with changes in state law relating to contracts of municipalities.

NOW, THEREFORE, premises considered, the City and the Consultant agree that said Agreement is amended as follows:

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Article III. Scope of Services and Exhibit A, shall be amended as set forth in the attached addendum to Exhibit A.

Article III. Work Schedule and Exhibit C, shall be amended as set forth in the attached addendum to Exhibit C.

Article IV. Compensation to Consultant and Exhibit B (Fee Schedule), shall be amended by increasing by \$957,358.00 the amount payable under the Agreement for a total of \$1,606,136.00, as shown by the attached Addendum to Exhibit B (Fee Schedule).

Except as amended hereby, the terms of the Agreement shall remain unchanged and in full force and effect.

EXECUTED and **AGREED** to as of the dates indicated below.

CITY OF	
PFLUGERVILLI	E

CONSULTANT

(.	Signature)	Joseph	(Signature)
Printed Name:	Sereniah Breland	Printed Name:	Joseph W. Jenkins, P.E.
Title:	City Manager	Title:	Senior Vice President
Date:		Date:	October 25, 2024

APPROVED AS TO FORM:

Charles E. Zech City Attorney

DENTON NAVARRO RODRIGUEZ BERNAL SANTEE & ZECH, P.C.

Addendum 1 to EXHIBIT A – SCOPE OF SERVICES SH130 Waterline Project City of Pflugerville

Addendum 1 to Project Understanding

The City intends to install approximately 5,900 13,825 linear feet of 20/24 30-inch diameter water pipe (length, diameter, and material to be confirmed during preliminary design) along the west side of SH 130 (from FM 685 to Pflugerville Parkway to SH 45) in order to improve the water distribution system. The pipeline will be located on private properties, within easements that will be acquired by the City, except where the water pipe must cross City and TXDOT rights-of-ways (ROWs) to connect to the existing water system. The number of connections to the existing water system increased from three (3) to nine (9).

This scope of work includes basic services for Walker Partners to provide additional Project Management, Agency/Stakeholder Coordination, Preliminary Phase, and Design Phase services; construction phase services will be provided under a separate work authorization. It is also our understanding that the City may submit an application to the Environmental Protection Agency (EPA) to request construction phase funding from the Water Infrastructure Finance and Innovation Act (WIFIA), in addition to or in lieu of TWDB funding. Should the City elect to proceed with the WIFIA application, then supplemental services are also included to provide the Programmatic Environmental Assessment (PEA) that the City may use for the WIFIA application.

Lastly, a public hearing is not required for the use or taking of any City parkland.

Addendum 1 to Basic Services

A. Project Management

- 1. Utilize remaining budget from PSA to continue Project Management as described in the PSA for 15 months.
- 2. Add three (3) additional months of Project Management.

B. Agency/Stakeholder Design Coordination Meetings/Workshops

- 1. Utilize remaining budget from PSA to perform the 5 design meetings and 2 workshops as described in the PSA.
- 2. Add one (1) additional workshop to discuss routing through a future development. The workshop is assumed to last no more than four (4) hours and be attended by no more than three (3) Walker Partners attendees.

C. Preliminary Phase

- 1. Constraints investigation, determination, and mapping.
 - a. Modified to include 8,000 linear feet of additional pipeline.
 - b. Site reconnaissance modified to be performed from right-of-way only.
- 2. Alignment Evaluation
 - a. Modified to include 8,000 linear feet of new pipeline and adjust previous alignment evaluation. Modified scope follows.
 - b. Evaluate one (1) alignment that generally follows property lines and the new pipeline route recommended by Kimley Horn.
 - c. Prepare a schematic plan and profile design for the alignment (based on approximate ground elevations from publicly available or City provided LIDAR contour data and approximate parcel lines, utility information, and easement lines from publicly available GIS data and/or records).
 - d. Prepare permanent and temporary construction easement cross-sections for City's review and input.
 - e. Prepare a technical memorandum summarizing project constraints.
 - f. Discuss technical memorandum during a monthly progress meeting.
- 3. Prepare a draft Preliminary Engineering Report (PER)
 - a. Modified scope to utilize original PSA fee estimated for PER (so no fee added for PER). Modified scope follows.
 - b. Address Alignment Evaluation technical memorandum comments from City Staff and incorporate into the PER.
 - c. Prepare a preliminary Engineer's Opinion of Probable Construction Cost (OPCC) for each alternative. The OPCC shall be a Class 3 estimate based on the guidelines set forth by the American Association of Cost Engineers for a study or feasibility design with a 10 to 40 percent project definition level.
 - d. Identify potentially required federal, state, and local approvals to develop the proposed project, including a matrix summarizing the required regulatory approvals, permit triggers, and estimated timeframes for obtaining such approvals.
 - e. Determine easement widths and establish alignment for final design.

D. Design Phase

- 1. Perform environmental studies and investigations to evaluate the preferred alignment.
 - a. Aquatic Resources Delineation
 - i) Two additional days of field investigation are assumed to be required for the additional project area.
 - b. Cultural Resources Investigation
 - i) Two additional days of survey are assumed to be required for the additional project area, along with three new survey locations requiring evaluation for National Register of Historic Places eligibility and additional reporting.
 - c. Phase 1 Environmental Site Assessment (P1ESA).
 - i) Additional fieldwork and reporting has been included to complete the P1ESA for the additional project area.

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- 2. Geotechnical Investigation
 - a. The PSA included a total of 5 borings to a depth of 20 feet, 4 borings to a depth of 35 feet, and one (1) mobilization for drilling. The following are added:
 - i) 6 borings to a depth of 20 feet,
 - ii) 4 borings to a depth of 35 feet, and
 - ii) a second mobilization for drilling.
 - b. The PSA included conversion of two (2) borings to piezometers for long-term monitoring of groundwater levels consisting of monthly monitoring for one year.
 - i) Two (2) piezometers are added.
 - c. Additional reporting and trenchless crossing assessments are included.
- 3. Perform subsurface utility engineering (SUE) investigations.
 - a. Added QL "D/C" research and utility depictions for the new 8,000 linear feet of pipeline and six (6) waterline connections.
 - b. Added QL "B" designating for the new six (6) waterline connections.
 - c. Added twenty-five (25) QL "A" test holes.
- 4. Topographic/Tree survey.
 - a. Modified to add 8,000 linear feet of new pipeline.
 - b. Modified to locate additional geotechnical borings, SUE markings, and SUE test holes.
- 5. Provide easement metes and bounds survey descriptions with exhibits for water easements over private property.
 - a. Added 17 permanent easements and 21 temporary easements.
- 6. Coordinate with additional utilities for design and permitting of utility work to avoid conflicts with existing and proposed utilities.
- 7. Prepare final Drawings and Specifications indicating the scope, extent, and character of the Work to be performed and furnished by Contractor.
 - a. Drawings will not be submitted at the 30% unsealed stage of completion. The 30% Drawings are included in the Preliminary Phase. The budget for 30% Drawings in the PSA will be utilized for the six (6) new waterline connection details.
 - b. The following changes are anticipated to General Condition Drawings:
 - i) General Notes and Project Specific Notes No additional sheets anticipated
 - ii) Legends, Abbreviations, and Symbols No additional sheets anticipated
 - iii) Survey Control Plan Add 2 sheets
 - iv) Sedimentation and Erosion Control and Tree Protection Plan Add 9 sheets
 - c. Water Distribution System Plans Add 18 sheets
 - d. Add temporary Traffic Control Plans for open cut trenches required for two waterline connections within Town Center Drive Add 6 sheets
 - e. Details No additional sheets anticipated
- 8. Submission of the pipeline construction plans to TCEQ is not required according to TAC 290.39(j) because the changes in the existing transmission system are not significant, so the following is removed from the PSA scope: Prepare and furnish signed and sealed Permitting Documents for review by TCEQ and revise the Documents in accordance with comments and instructions from TCEQ, as appropriate. It is still assumed that requests for exceptions to 30 TAC Chapter 290 Rules and Regulations for Public Water Systems will not be necessary.

Addendum 1 to Supplemental Services

If authorized in writing by City, Walker Partners can furnish some or all of the Supplemental Services listed below. Estimated budgets for these tasks are included in Appendix 1. Schedules for these tasks will be developed with the City at the time each task is authorized by the City.

S-D. Additional Support. This task includes additional effort to resolve unforeseen issues (e.g. design changes or schedule delays due to easement negotiations). The scope and schedule to resolve unforeseen issues will be defined prior to completing the work and authorized in writing by City.

S-E. Water Infrastructure Finance and Information Act (WIFIA) Programmatic Environmental Assessment (PEA)

- Some portion of the funding for the project could come from the Water Infrastructure Finance and Innovation Act (WIFIA), administered through the Environmental Protection Agency (EPA). Projects seeking funding through WIFIA are subject to National Environmental Policy Act (NEPA) requirements and must be assessed for environmental impacts. The EPA provides a NEPA reporting template, the Programmatic Environmental Assessment (PEA), which allows relevant review agencies to make determinations about the degree of impacts that can reasonably be expected to occur as a result of construction of a proposed project. Each page in the PEA template is intended to address a specific requirement needed to comply with NEPA. Some agency coordination is anticipated with various federal oversight entities as part of the NEPA review process.
- 2. Prepare a draft and final PEA which will include maps and other attachments. Provide a draft PEA in electronic format for review and comment. Respond to one round of comments from the City and provide a final version of the report in electronic format. Respond to one round of comments from the EPA review staff.
- 3. The following are assumed for this task:
 - a. The City will be the point of contact for the EPA review of the WIFIA PEA.
 - b. EPA will only have one round of comments to address.
 - c. No agency coordination with agencies other than EPA and the THC. Significant agency-level coordination beyond emails or brief phone calls is not included. Inperson meetings or extended phone calls could require additional services.

S-F. Due Diligence Investigation for 30-inch Waterline CIP #WA2403

- 1. Perform studies and investigations for the future 30-inch waterline corridor shown in the City of Pflugerville Water Master Plan (dated July 13, 2023) for CIP #WA2403, as follows.
- 2. Assume five (5) additional coordination meetings held virtually with City and/or landowners for CIP #WA2403 (includes 2 attendees from Walker Partners).
- 3. Update constraints memo to include CIP #WA2403 properties. No field surveys will be conducted.
- 4. Update aquatic resources report based on field surveys conducted for the CIP #WA2403 properties.
- 5. Update threatened and endangered species habitat assessment and impacts analysis report based on the field surveys conducted for the CIP #WA2403 properties.
- 6. Perform cultural resources field investigations and complete associated reporting and curation of field paperwork and photographs. The field investigations will require a Texas Historical Commission (THC) Antiquities Permit. Prepare a permit application and coordinate with the City for review and signatures. Submit the application to the THC. The cultural resources survey assumes an alignment up to 1.9 miles long and a corridor 100-feet-wide, with no more than one (1) new cultural resource site will be identified in the survey area. Survey efforts will include pedestrian and systematic shovel surveys over the course of two (2) field days. Five (5) survey locations for historic resources are also assumed, with one (1) day of fieldwork. Any deep mechanical testing with a backhoe would be implemented under a separate work authorization if necessary. A minimum of 31 shovel tests is assumed based on THC field investigation standards.
- 7. Update the P1ESA report to include CIP #WA2403 properties.

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- 8. Perform additional control and boundary verification surveys to include CIP #WA2403 properties (City to provide rights-of-entries and title work).
- 9. Provide a Preliminary Engineering Report (PER) summarizing the due diligence investigation.
 - a. Perform one site visit (City to provide rights-of-entries).
 - b. Prepare a schematic plan and profile design (based on approximate ground elevations from publicly available or City provided LIDAR contour data and boundary verification survey).
 - c. Prepare permanent and temporary construction easement recommendations.
 - d. Prepare a preliminary Engineer's Opinion of Probable Construction Cost (OPCC). The OPCC shall be a Class 3 estimate based on the guidelines set forth by the American Association of Cost Engineers for a study or feasibility design with a 10 to 40 percent project definition level.
- 10. Provide easement metes and bounds survey descriptions with exhibits for water easements over private properties for CIP #WA2403. It is assumed the total number of permanent easements to be prepared will not exceed 6, and the total number of temporary easements to be prepared will not exceed 6. It is assumed the City will provide the legal documents and record any new easements with the County.

Additional Services Requiring City's Written Authorization

If authorized in writing by City under a separate authorization, Walker Partners can furnish or obtain from others Additional Services of the types listed below:

- Hydraulic water modeling of the water distribution system to evaluate different alignments and/or connection points and pipe diameters.
- SUE investigations for service lines, irrigation systems, drains, or other systems that are located on private property
- SUE investigations for irrigation systems in the public right-of-way
- Preparation of project-specific engineered traffic control plan(s) not detailed in this scope of services.
- Providing traffic control services not detailed in this scope of services.
- Wastewater, roadway, drainage, structural, or retaining wall designs.
- Design of any "dry" utility facilities (i.e. gas, electric, phone, cable TV, fiber optic, etc.)
- Floodplain map revisions.
- Floodway mapping.
- Landscape architectural services.
- Construction phase services. After acceptance by City of a prospective bidder, construction administration services shall be provided via supplemental amendment.
- Preparing to serve or serving as a consultant or witness for City in any litigation, arbitration, or other dispute resolution process related to the Project including obtaining easements.
- Providing assistance in responding to presence of any Constituent of Concern at the Site, in compliance with current Laws and Regulations.
- Design work related to LEEDS certification(s)
- Abstracting fee title, easements, restrictions or other encumbrances
- Abandonment of private or public easements
- Clearing sites for test boring locations.
- Procuring ATV-mounted drill rig or portable drilling equipment.
- Preparation of a geotechnical baseline report.
- Site restoration not detailed in this scope of services.
- Requests for exceptions to 30 TAC Chapter 290 Rules and Regulations for Public Water Systems.
- Competitive sealed proposal procurement.
- Preparation of WIFIA letter of interest or application materials not detailed in this scope of services.

Addendum 1 to EXHIBIT B - COMPENSATION TO CONSULTANT

Total compensation for Basic Services set forth in Exhibit A is estimated not to exceed \$716,883.00 based on time and materials compensation. Payment to be made by City to Walker Partners (Consultant) for Basic Services set forth in Exhibit A as described in Paragraph 1.0.

If authorized in writing by City, Consultant shall furnish the Supplemental Services set forth in Exhibit A, and the total compensation for Supplemental Services is estimated not to exceed \$240,475.00 based on time and materials compensation. Payment to be made by City to Consultant for Supplemental Services set forth in Exhibit A as described in Paragraph 2.0.

- 1.0 Payment to be made by City to Consultant for Basic Services set forth in Exhibit A as follows:
 - A. An amount equal to the cumulative hours charged to the Project by each class of Consultant's personnel times Standard Hourly Rates for each applicable billing class for all services performed on the Project, plus Reimbursable Expenses and Consultant's Subconsultants' charges, if any.
 - **B.** The Standard Hourly Rates charged by Consultant constitute full and complete compensation for Consultant's services, including labor costs, overhead, and profit; the Standard Hourly Rates do not include Reimbursable Expenses or Consultant's Subconsultants' charges.
 - **C.** Consultant's Labor and Fee Summary and Standard Hourly Rates are attached to this Exhibit B as Appendices 1 and 2.
 - **D.** The total compensation for services under Paragraph 1.0 is estimated to be \$716,883.00 based on the following estimated distribution of compensation:

1.	Task A - Project Management	\$ 8,855
2.	Task B - Agency/Stakeholder Coordination	\$ 6,780
3.	Task C – Preliminary Phase	\$ 97,618
4.	Task D – Design Phase	\$603,630

- **E.** Consultant may alter the distribution of compensation between individual tasks of the work noted herein to be consistent with services actually rendered, but shall not exceed the total estimated compensation amount unless approved in writing by City.
- **F.** The total estimated compensation for Consultant's services included in the breakdown by tasks incorporates all labor, overhead, profit, Reimbursable Expenses, and Consultant's Subconsultants' charges.
- **G.** The amounts billed for Consultant's services under Paragraph 1.0 will be based on the cumulative hours charged to the Project during the billing period by each class of Consultant's employees times Standard Hourly Rates for each applicable billing class, plus Reimbursable Expenses and Consultant's Subconsultants' charges.
- **H.** The amounts payable to Consultant for Reimbursable Expenses will be the Project-related internal expenses actually incurred or allocated by Consultant, plus all invoiced external Reimbursable Expenses allocable to the Project, the latter multiplied by a factor of 5%.
- I. Whenever Consultant is entitled to compensation for the charges of Consultant's Subconsultants, those charges shall be the amounts billed by Consultant's Subconsultants to Consultant times a factor of 5%.
- J. If it becomes apparent to Consultant that the total compensation amount for Consultant's services will be exceeded, Consultant shall give City written notice thereof for review of the matter.
- 2.0 Payment to be made by City to Consultant for Supplemental Services set forth in Exhibit A as follows:
 - A. An amount equal to the cumulative hours charged to the Project by each class of Consultant's personnel times Standard Hourly Rates for each applicable billing class for all services performed on the Project, plus Reimbursable Expenses and Consultant's Subconsultants' charges, if any.
 - **B.** The Standard Hourly Rates charged by Consultant constitute full and complete compensation for Consultant's services, including labor costs, overhead, and profit; the Standard Hourly Rates do not include Reimbursable Expenses or Consultant's Subconsultants' charges.

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- **C.** Consultant's Labor and Fee Summary and Standard Hourly Rates are attached to this Exhibit B as Appendices 1 and 2.
- **D.** The total compensation for services under Paragraph 2.0 is estimated to be \$240,475.00 based on the following estimated distribution of compensation:
 - Task S-D Additional Support
 Task S-E Prepare WIFIA PEA
 Task S-F CIP WA2403 Due Diligence Investigation
 \$ 166,269
- **E.** Consultant may alter the distribution of compensation between individual tasks of the work noted herein to be consistent with services actually rendered but shall not exceed the total estimated compensation amount unless approved in writing by City.
- **F.** The total estimated compensation for Consultant's services included in the breakdown by tasks incorporates all labor, overhead, profit, Reimbursable Expenses, and Consultant's Subconsultants' charges.
- **G.** The amounts billed for Consultant's services under Paragraph 2.0 will be based on the cumulative hours charged to the Project during the billing period by each class of Consultant's employees times Standard Hourly Rates for each applicable billing class, plus Reimbursable Expenses and Consultant's Subconsultants' charges.
- **H.** The amounts payable to Consultant for Reimbursable Expenses will be the Project-related internal expenses actually incurred or allocated by Consultant, plus all invoiced external Reimbursable Expenses allocable to the Project, the latter multiplied by a factor of 5%.
- I. Whenever Consultant is entitled to compensation for the charges of Consultant's Subconsultants, those charges shall be the amounts billed by Consultant's Subconsultants to Consultant times a factor of 5%.
- J. If it becomes apparent to Consultant that the total compensation amount for Consultant's services will be exceeded, Consultant shall give City written notice thereof for review of the matter.

Addendum 1 to EXHIBIT C - WORK SCHEDULE

The 60% Interim Design Documents will be submitted within four months of receiving right-of-entry.

The 90% Interim Design Documents will be submitted within one month of receiving City comments.

The 100% Interim Design Documents will be submitted within one month of receiving City comments.

The Bidding Documents will be submitted within two weeks of receiving City comments.

The Final Documents for Advertisement will be submitted within two weeks of receiving City comments, all permits, and all recorded easement documents.

Schedule is contingent on securing and maintaining right-of-entry to conduct field investigations and confirm design, as well as easement acquisition to complete design and request proposals for construction.

An estimated project schedule is also attached in Appendix 3.

SH 130 Waterline Project PSSA #1 - Summary 10/9/2024

Task	Description	PSA	PSSA #1	Total
Α	Project Management	\$ 59,318.00	\$ 8,855.00	\$ 68,173.00
В	Agency/Stakeholder Coordination Meetings/Workshops	\$ 28,430.00	\$ 6,780.00	\$ 35,210.00
С	Preliminary Phase	\$ 131,197.00	\$ 97,618.00	\$ 228,815.00
D	Design Phase	\$ 355,538.00	\$ 603,630.00	\$ 959,168.00
Е	Bid Phase	\$ 18,670.00	\$ -	\$ 18,670.00
	Basic Services Subtotals	\$ 593,153.00	\$ 716,883.00	\$ 1,310,036.00
S-A	TWDB EFR	\$ 16,090.00	\$ -	\$ 16,090.00
S-B	EWDB EID	\$ 20,275.00	\$ -	\$ 20,275.00
S-C	Additional TWDB Bid Phase Support	\$ 19,260.00	\$ -	\$ 19,260.00
S-D	Additional Support	\$ 1	\$ 56,400.00	\$ 56,400.00
S-E	Prepare WIFIA PEA	\$ -	\$ 17,806.00	\$ 17,806.00
S-F	CIP WA2403 Due Diligence Investigation	\$ -	\$ 166,269.00	\$ 166,269.00
	Supplemental Services Subtotals	\$ 55,625.00	\$ 240,475.00	\$ 296,100.00
	Totals	\$ 648,778.00	\$ 957,358.00	\$ 1,606,136.00

SH 130 Waterline Project								
Preliminary Phase, Design Phase, and Bid Phase	Basic Effort	\$ 716,883						
10/9/2024	Supplemental	\$ 240,475						
Detailed Overall Cost Breakdown	Total Effort	\$ 957,358						

			Reviewer	E. Nelson									011	Total Hours	Walker Partners Effort	SWCA	The Rios Group	Schnabel Engineering	Total Sub Effort (w/ 5% mark-	Total Effort
	Classification	Manager VII	Senior Engineer V	Project Manager VIII	Project Engineer III	Professional VI	Technician XII	Support Staff V	Construction Manager IX		Survey Manager II	Technician VII	3 Man Survey Crew				0.046	gg	up)	1
	Hourly Bill Rate	\$300.00	\$290.00	\$230.00	\$160.00	\$130.00	\$185.00	\$100.00	\$300.00	\$225.00	\$170.00	\$115.00	\$225.00							
	ddtions to Project Management	2	0	15	I 6	0	0	2	0	1 0	2	0	0	30	\$ 6,120	\$ 2,604	¢	l e	\$ 2,735	\$ 8,855
	Prepare monthly invoicing, schedule updates, and status reports	3	U	15 9	6	U	U	3	U	U	3	U	U	30 18	\$ 3,780		Φ -	Φ -	\$ 2,735	\$ 6,515
	Prepare for, attend/conduct, and summarize/document progress meetings			6	6						J			12	\$ 2,340	Ψ 2,004			\$ -	\$ 2,340
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B A	addtions to Agency/Stakeholder Coordination Meetings/Workshops	0	0	8	8	8	12	4	0	0	0	0	0	40	\$ 6,780	\$ -	\$ -	\$ -	\$ <u>-</u>	\$ 6,780
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C A	Additions to Preliminary Phase	1	14	40	60	136	100	44	0	11	42	48	70	566	\$ 94,625	\$ 2,850	\$ -	\$ -	\$ 2,993	\$ 97,618
C	Constraint investigation, determination, and mapping																			
	Collect/review GIS data and set up base files					8	16							24	\$ 4,000				\$ -	\$ 4,000
	Review record drawings and surveys provided by City					4	4							8	\$ 1,260	1			\$ -	\$ 1,260
	Control survey		1			1				1	2	8	20	31	\$ 5,985	1			\$ -	\$ 5,985
	Boundary verification survey		1		 			40		10	40	40	50	180	\$ 28,900				\$ -	\$ 28,900
	Complete desktop studies		2	8	8	20		1						38	\$ 6,300	\$ 2,850			\$ 2,993	\$ 9,293
	lignment Evaluation		1		1	4.0													\$ -	\$ -
	Evaluate alignment		2	8	16	16	00	1						42	\$ 7,060	1	ļ		\$ -	\$ 7,060
	Prepare schematic plan and profile		2	8	16	24	60							110	\$ 19,200				\$ -	\$ 19,200
	Prepare permanent and temporary easement cross-sections	1		8		16								25	\$ 4,220				\$ -	\$ 4,220
	Identify potential regulatory approvals to develop project		8	8	20	8 40	20	4						8 100	\$ 1,040 \$ 16,660				\$ -	\$ 1,040 \$ 16.660
	Prepare technical memorandum		8	8	20	40	20	4						100	\$ 16,660				\$ -	\$ 16,660
D A	Additions to Design Phase	0	32	91	301	442	441	18	12	73	240	512	210	2,372	\$ 386,170	\$ 24,237	\$ 82,977	\$ 99,888	\$ 217,460	\$ 603,630
Si	ite Visit			4	8	8	4							24	\$ 3,980			,	\$ -	\$ 3,980
Eı	invironmental Studies																			
	Aquatic Resources Delineation			2	4	8	8							22	\$ 3,620	\$ 5,411			\$ 5,682	\$ 9,302
	Cultural Resources			4	8	16	8							36	\$ 5,760	\$ 17,139			\$ 17,997	\$ 23,757
I	Phase I Environmental Assessment			1	2	4	4							11	\$ 1,810	\$ 1,687			\$ 1,772	\$ 3,582
	Seotechnical Investigation and Reporting			4	8	16	8			1	3	6	30	76	\$ 13,935			\$ 99,888	\$ 104,883	\$ 118,818
	UE Investigations			8	15	15	30			1	3	16	30	118	\$ 21,065		\$ 82,977		\$ 87,126	\$ 108,191
	opographic/Tree Survey				8		8			8	16	120	150	310	\$ 54,830				\$ -	\$ 54,830
	asement Descriptions and Exhibits				8		8	18		63	218	370		685	\$ 98,345				\$ -	\$ 98,345
	Coordinate with utilities			4	10	20	8							42	\$ 6,600				\$ -	\$ 6,600
	Prepare 60% Interim Design Documents		8	20	120	180	180		4					512	\$ 84,020				\$ -	\$ 84,020
	Prepare 90% Interim Design Documents		8	20 16	60	90 45	90 45		2					272 146	\$ 46,070 \$ 25,575				\$ -	\$ 46,070 \$ 25,575
	Prepare 100% Interim Design Documents		8 4	4	30 10	20	20		1					59	\$ 25,575 \$ 10,280				\$ -	\$ 25,575 \$ 10,280
	repare Bidding Documents inalize Bidding Documents		4	4	10	20	20		1					59 59	\$ 10,280				\$ - \$ -	\$ 10,280
	maize bluding bocuments		4		10	20	20							39	φ 10,200				φ -	φ 10,260
					1		S	upplemental	Services	1										
A	Additions to Supplemental Services	0	8	140	179	183	259	27	0	28	90	144	30	1.088	\$ 182,475	\$ 55,236	\$ -	\$ -	\$ 58,000	\$ 240,475
	dditional Support			80	80	80	80							320	\$ 56,400	. 00,200			\$ -	\$ 56,400
	Prepare WIFIA PEA			8	8	8	8							32	\$ 5,640	\$ 11,586			\$ 12,166	\$ 17,806
	CIP WA2403 Due Diligence Investigation			-			-								.,	,.,,			,	,
	Project management and coordination			8										8	\$ 1,840	\$ 1,627			\$ 1,709	\$ 3,549
	Prepare for, attend/conduct, and summarize/document up to 5 meetings			15	15	15	15	5						65	\$ 11,075				\$ -	\$ 11,075
	Update constraints memo			1	4		4							9	\$ 1,610				\$ 8,187	\$ 9,797
	Update aquatic resources report			1	4		4							9	\$ 1,610				\$ 5,654	\$ 7,264
	Update threatened and endangered species report			1	4		4							9	\$ 1,610				\$ 2,179	\$ 3,789
	Cultural resources investigation and reporting			1	4		4							9	\$ 1,610				\$ 25,404	\$ 27,014
	Update P!ESA			1	4	1	4	1						9	\$ 1,610				\$ 2,701	\$ 4,311
	Control and boundary survey			2	8		8	8		8	10	24	30	98	\$ 17,030				\$ -	\$ 17,030
	Prepare PER		8	20	40	80	120	4						272	\$ 46,320				\$ -	\$ 46,320
	Easement Descriptions and Exhibits			2	8		8	10		20	80	120		248	\$ 36,120		ļ		\$ -	\$ 36,120
						<u> </u>		<u> </u>		1				0 17 : :	0 0 1 ==	0 0105=	0 00 05-		00110	
Ц														Grand Total	\$ 676,170	\$ 84,927	\$ 82,977	\$ 99,888	\$ 281,188	\$ 957,358

SCHNABEL ENGINEERING FEE ESTIMATE - SUMMARY (ADDITIONAL SCOPE OF SERVICES - AMENDMENT 1)

 PROJECT:
 SH 130 Waterline

 DATE:
 8/30/2024

 REFERENCE NO.:
 23320018.00P Rev 1

		TA	SK			
	_	Task 01 - Seotechnical Sestigation and Reporting	Co	k 02 - Well Data bllection, Data eduction and Reporting	то	TAL COST
Labor	\$	40,627.00	\$	10,946.00	\$	51,573.00
	 	10,027.00	۳	10,010.00	_	01,070.00
Expenses and Unit Billings	\$	3,806.00	\$	-	\$	3,806.00
Subcontractors	\$	33,322.00	\$	-	\$	33,322.00
Laboratory Testing	\$	11,187.00	\$	-	\$	11,187.00
Total Cost	\$	88,942.00	\$	10,946.00	\$	99,888.00

SCHNABEL ENGINEERING FEE ESTIMATE - LABOR (AMENDMENT 1)

PROJECT: SH 130 Waterline

DATE: 8/30/2024

REFERENCE NO.: 23320018.00P

				CI	LASSIFICATI	ON					
DESCRIPTION OF TASK	P \$	rincipal (Hrs) 303.00	Senior Associate (Hrs) \$ 275.00	Associate (Hrs) \$ 244.00	Senior Engineer (Hrs) \$205	Project Engineer (Hrs) \$ 186.00	Senior Staff (Hrs) \$ 165.00	Admin (Hrs) \$88	TOTAL HOURS		TOTAL COST
Task 01 - Geotechnical Investigation and Reporting				•							
a) Review existing geotechnical info				4		8			12	\$	2,464
b) Layout and stake borings				4	4		1:	2	20	\$	3,776
c) Coordinate with drilling and laboratory testing assignment					4		1:	2	16	\$	2,800
d) Logging Borings							5	-	50	\$	8,250
e) Draft Boring Logs				2	4		1:	2	18	\$	3,288
f) Geotechnical Analysis			2		4	8			14	\$	2,858
g) Geotechnical Report Preparation		4			12		2	2	38	\$	7,148
h) Trenchless Excavation Support		6		8		12			26	\$	6,002
i) Project Meetings				9	9				18	\$	4,041 ****
Subtotal Hour	_	10						-	212	<u> </u>	
Subtotal Labor Fe	e: \$	3,030	\$ 550	\$ 6,588	\$ 7,585	\$ 5,208	\$ 17,490	\$ 176	****	\$	40,627
Task 02 - Well Data Collection, Data Reduction and Reporting					1.0			2.1		_	10.010
a) Long term monitoring of piezometers				4			4		62	<u>\$</u>	10,946
Subtotal Hour	_	0		_	. •				62 ****	<u> </u>	
Subtotal Labor Fe	e: \$	-	\$ -	\$ 976	\$ 2,050		\$ 7,920	-	****	\$	10,946
Total Hours	$\overline{}$	10	2	31	47	28	154	41 2	274	$\overline{}$	****
Total Labor Fee	\$	3,030							****	\$	51,573
		,		, , , , , , , , , , , , , , , , , , , ,			. ,	NTINGENCY:	0.0%	\$	-

THE RIOS GROUP

Estimate for Subsurface Utility Engineering APPENDIX 1

CoPf SH 130 Water Line Supplemental Pflugerville, Texas

		Assumed	Unit of		
	Rate	Quantity	Measure		Sub-Total
\$	316.28	6	HR	\$	1,897.68
\$	190.86		HR	\$	-
\$	169.71	16	HR	\$	2,715.36
\$	165.19		HR	\$	-
\$	118.30	20	HR	\$	2,366.00
\$	110.49		HR	\$	-
\$	74.84	60	HR	\$	4,490.40
\$	74.67		HR	\$	-
\$	127.23	10	HR		1,272.30
\$	81.39		HR	\$	
				\$	12,741.74
	Rate	Assumed	Unit of		Sub-Total
		•			
					4,500.00
\$	1,500.00	5	DAY		7,500.00
				\$	12,000.00
	Pata	Assumed	Unit of		Sub-Total
	Kute	Quantity	Measure		3ub-10tui
\$	160.00	65	HR	\$	10,400.00
\$	250.00	20	HR	\$	5,000.00
				\$	15,400.00
	Outside	Assumed	Unit Of		
Pa	vement Rate	Quantity	Measure		Sub-Total
\$	1,315.00	12	EA	\$	15,780.00
\$	1,600.00	8	EA	\$	12,800.00
\$	1,995.00	4	EA	\$	7,980.00
\$	2,575.00	1	EA		2,575.00
\$	3,025.00	0	EA	\$	-
\$	370.00	10	EA	\$	3,700.00
		25			
				\$	42,835.00
				\$	82,976.74
	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ 190.86 \$ 169.71 \$ 165.19 \$ 118.30 \$ 110.49 \$ 74.84 \$ 74.67 \$ 127.23 \$ 81.39	Rate Quantity \$ 316.28 6 \$ 190.86 165.19 \$ 165.19 20 \$ 110.49 40 \$ 74.67 40 \$ 127.23 10 \$ 81.39 40 Rate Assumed Quantity \$ 750.00 6 \$ 1,500.00 5 * 160.00 65 \$ 250.00 20 * 1,315.00 12 \$ 1,600.00 8 \$ 1,995.00 4 \$ 2,575.00 1 \$ 3,025.00 0 \$ 370.00 10	\$ 316.28 6 HR \$ 190.86 HR \$ 169.71 16 HR \$ 165.19 HR \$ 118.30 20 HR \$ 110.49 HR \$ 74.84 60 HR \$ 127.23 10 HR \$ 81.39 HR \$ 81.39 HR **Rate** **Assumed** Unit of Quantity** **Rate** **Assumed** Quantity** **Rate** **Assumed** Quantity** **Passumed** Quantity** **	\$ 316.28 6 HR \$ \$ 190.86 HR \$ \$ 169.71 16 HR \$ \$ 165.19 HR \$ \$ 111.30 20 HR \$ \$ 110.49 HR \$ \$ 74.84 60 HR \$ \$ 127.23 10 HR \$ \$ 81.39 HR \$ \$ 81.39 HR \$ \$ 81.39 HR \$ \$ \$ \$ 250.00 20 HR \$ \$ \$ \$ \$ 250.00 1 EA \$ \$ 1,995.00 6 EA \$ \$ 1,995.00 6 EA \$ \$ 1,995.00 6 EA \$ \$ 1,995.00 10 EA \$ \$ 370.00 10 EA \$ \$ 370.00 10 EA \$ \$ \$

APPENDIX 1

Project Budget Summary

Project Name:	SH 130 Waterline - Supplemental 1
Project No.:	075060-000-AUS
Annual Rate Escalation:	0%



			Tota	s	Phase	01		Phase 02		Phase	03	Phase	04	Phase 05		Phase	06
			Total All	Phases	Meetings, Coo	ordinatio	on, PM	Constraints	Analysis Cultural R		Cultural Resources		of WIFIA PEA	Aquatic Resources Delineation		PIE	SA
LABOR																	
Discipline	Level	Rate	Hours	Charge	Hours	Ch	narge	Hours	Charge	Hours	Charge	Hours	Charge	Hours	Charge	Hours	Charge
Accounting - Billing		\$ 104.00	1.00	104.00	-	\$	-	- \$	-	1.00	\$ 104.00	-	\$ -	- \$	-	-	\$ -
Technical Writer/Editor		\$ 169.00	-	-	-	\$	-	- \$	-		\$ -	-	\$ -	- \$	-	-	\$ -
Environmental Resources	Specialist VIII	\$ 158.00	51.00	8,058.00	16.00	\$ 2	2,528.00	5.00 \$	790.00	2.00	\$ 316.00	28.00	\$ 4,424.00	- \$	-	-	\$ -
Environmental Resources	Subject Matter Expert I	\$ 230.00	-	-	-	\$	-	- \$	-	-	\$ -	-	\$ -	- \$	-	-	\$ -
Cultural Resources	Subject Matter Expert II	\$ 242.00	-	-	-	\$	-	- \$	-	-	\$ -	-	\$ -	- \$	-	-	\$ -
Environmental Resources	Specialist XI	\$ 207.00	29.00	6,003.00	-	\$	-	- \$	-	-	\$ -	29.00	\$ 6,003.00	- \$	-	-	\$ -
Cultural Resources	Specialist IX	\$ 169.00	-	-	-	\$	-	- \$	-	-	\$ -	-	\$ -	- \$	-	-	\$ -
GIS/CADD	Specialist VI	\$ 137.00	29.00	\$ 3,973.00	-	\$	-	4.00 \$	548.00	16.00	\$ 2,192.00	6.00	\$ 822.00	2.00 \$	274.00	1.00	\$ 137.00
Technical Writer/Editor	Specialist V	\$ 123.00	4.00	\$ 492.00	-	\$	-	- \$	-	4.00	\$ 492.00	-	\$ -	- \$	-	-	\$ -
Environmental Resources	Specialist V	\$ 123.00	15.00	1,845.00	-	\$	-	5.00 \$	615.00	-	\$ -	-	\$ -	- \$	-	10.00	\$ 1,230.00
Cultural Resources	Specialist III	\$ 104.00	38.00	3,952.00	-	\$	-	5.00 \$	520.00	33.00	\$ 3,432.00	-	\$ -	- \$	-	-	\$ -
Cultural Resources	Specialist VII	\$ 147.00	24.00	3,528.00	-	\$	-	2.00 \$	294.00	22.00	\$ 3,234.00	-	\$ -	- \$	-	-	\$ -
Cultural Resources	Specialist II	\$ 91.00	-	-	•	\$	-	- \$	-	-	\$	-	\$ -	- \$	-	-	\$ -
Cultural Resources	Specialist V	\$ 123.00	16.00	1,968.00	-	\$	-	- \$	-	16.00	\$ 1,968.00	-	\$ -	- \$	-	-	\$ -
Cultural Resources	Specialist V	\$ 123.00	33.00	\$ 4,059.00	•	\$	-	- \$	-	33.00	\$ 4,059.00	-	\$ -	- \$	-	-	\$ -
Environmental Resources	Specialist IX	\$ 169.00	16.00	\$ 2,704.00	-	\$	-	- \$	-	-	\$ -	-	\$ -	16.00 \$	2,704.00	-	\$ -
Environmental Resources	Specialist III	\$ 104.00	20.00	\$ 2,080.00	-	\$	-	- \$	-	-	\$ -	-	\$ -	20.00 \$	2,080.00	-	\$ -
Administration	Specialist V	\$ 123.00	1.00	123.00	-	\$	-	- \$	-	-	\$ -	-	\$ -	0.50 \$	61.50	0.50	\$ 61.50
Labor Subtotal			277.00	38,889.00	16.00	\$ 2	2,528.00	21.00 \$	2,767.00	127.00	\$ 15,797.00	63.00	\$ 11,249.00	38.50 \$	5,119.50	11.50	\$ 1,428.50
Communication Fee - % of Labor		3%		\$ 1,166.67		\$	75.84	\$	83.01		\$ 473.91		\$ 337.47	\$	153.59		\$ 42.86
Labor Total			277.00	\$ 40,055.67	16.00	\$ 2	2,603.84	21.00 \$	2,850.01	127.00	\$ 16,270.91	63.00	\$ 11,586.47	38.50 \$	5,273.09	11.50	\$ 1,471.36
TOTAL EXPENSES				1,221.99		\$	-	\$	-		\$ 868.25		\$ -	\$	138.23		\$ 215.51
Subcontractor Fee Total				-		\$	-	\$	-		\$ -		\$ -	\$	-		\$ -
Project Phase Total				41,277.66		\$ 2	2,603.84	\$	2,850.01		\$ 17,139.16		\$ 11,586.47	\$	5,411.32		\$ 1,686.87

Note: Communication expense is not subject to 15% administrative fee.

TOTAL PROJECT	Charges
SWCA Labor Total	\$ 40,055.67
Expenses Total	1,221.99
Subcontractors Total	\$ -
Total Project	41,277.66
Tax Total	\$ -
Total Including Taxes	\$ 41,277.66
-	

APPENDIX 1

Project Budget Summary

Project Name:	SH 130 Waterline - Supplemental 2
Project No.:	00075060-000-AUS
Annual Rate Escalation:	0%



Annual Rate Escalation:	0%																
				Totals		Phase 01		Phase 02		Phase 03		Phase 04		Phase 05		Phase 06	
				Total All	Phases	Meetings, coordi	nation, PM work	Constraints	s Memo	Aquatic Resources I	Delineation T&E		Cultural Resources		PIESA		
LABOR																	
Discipline	Level		Rate	Hours	Charge	Hours	Charge	Hours	Charge	Hours	Charge	Hours	Charge	Hours	Charge	Hours	Charge
Accounting - Billing		\$	104.00	-	\$ -	-	\$ -	- (-	- \$	-	- \$	-	- \$	-	- (-
Technical Writer/Editor		\$	169.00	-	\$ -	-	\$ -	-	-	- \$	-	- \$	-	- \$	-	- (-
Environmental Resources	Specialist VIII	\$	158.00	22.00		10.00	\$ 1,580.00	5.00	790.00	3.00 \$	474.00	- \$	-	4.00 \$	632.00	- !	-
Environmental Resources	Subject Matter Expert I	\$	230.00	4.00	•	-	\$ -	2.00	460.00	1.00 \$	230.00	1.00 \$	230.00	- \$	-	- !	-
Environmental Resources	Specialist VIII	\$	158.00	8.00	\$ 1,264.00	-	\$ -	- 9	-	- \$	-	8.00 \$	1,264.00	- \$	-	- !	-
Environmental Resources	Specialist IX	\$	169.00	15.00	\$ 2,535.00	-	\$ -	- 9	-	15.00 \$	2,535.00	- \$	-	- \$	-	- !	-
Environmental Resources	Specialist III	\$	104.00	22.00	. ,	-	\$ -	7.00	728.00	15.00 \$	1,560.00	- \$	-	- \$	-	- !	-
Environmental Resources	Subject Matter Expert I	\$	230.00	2.00	•	-	\$ -	- 9	-	- \$	-	- \$	-	- \$	-	2.00	460.00
	Specialist VI	\$	137.00	14.00	• /	-	\$ -	7.00		- \$	-	- \$	-	- \$	-	7.00	959.00
Technical Writer/Editor	Specialist V	\$	123.00	15.00	· /	-	\$ -	3.00		- \$	-	2.00 \$	246.00	8.00 \$	984.00	2.00	246.00
GIS/CADD	Specialist VI	\$	137.00	28.25	· /	-	\$ -	12.00	1,644.00	2.00 \$	274.00	2.00 \$	274.00	10.25 \$	1,404.25	2.00	274.00
Administration	Specialist V	\$	123.00	4.50	•	-	\$ -	- 9	-	0.50 \$	61.50	- \$	-	4.00 \$	492.00	- ;	-
Cultural Resources	Specialist IX	\$	169.00	11.00	\$ 1,859.00	-	\$ -	2.00	338.00	- \$	-	- \$	-	9.00 \$	1,521.00	- !	-
Cultural Resources	Specialist VI	\$	137.00	20.50	. ,	-	\$ -	2.00		- \$	-	- \$	-	18.50 \$	2,534.50	- !	-
Cultural Resources	Specialist V	\$	123.00	7.00	•	-	\$ -	7.00		- \$	-	- \$	-	- \$	-	- !	-
Cultural Resources	Specialist VII	\$	147.00	36.00	\$ 5,292.00	-	\$ -	4.00	588.00	- \$	-	- \$	-	32.00 \$	4,704.00	- !	-
Cultural Resources	Specialist V	\$	123.00	30.00	• /	-	\$ -	- 9	-	- \$	-	- \$	-	30.00 \$	3,690.00	- !	-
Cultural Resources	Specialist III	\$	104.00	22.00	\$ 2,288.00	-	\$ -	- 9	-	- \$	-	- \$	-	22.00 \$	2,288.00	- !	-
Cultural Resources	Specialist IV	\$	114.00	36.00	\$ 4,104.00	-	\$ -	- 9	-	- \$	-	- \$	-	36.00 \$	4,104.00	- !	-
Labor Subtotal				297.25	\$ 40,032.25	10.00	\$ 1,580.00	51.00	7,011.00	36.50 \$	5,134.50	13.00 \$	2,014.00	173.75 \$	22,353.75	13.00	1,939.00
Communication Fee - % of Labor			3%		\$ 1,200.97		\$ 47.40		\$ 210.33	\$	154.04	\$	<i>60.4</i> 2	\$	670.61		\$ 58.17
Labor Total		•		297.25	\$ 41,233.22	10.00	\$ 1,627.40	51.00	7,221.33	36.50 \$	5,288.54	13.00 \$	2,074.42	173.75 \$	23,024.36	13.00	1,997.17
TOTAL EXPENSES			\$ 2,415.86		\$ -	(575.00	\$	96.08	\$	-	\$	1,169.78		575.00		
Subcontractor Fee Total	-				\$ -		\$ -	(-	\$	-	\$	-	\$	-		-
Project Phase Total					\$ 43,649.08		\$ 1,627.40		7,796.33	\$	5,384.62	\$	2,074.42	\$	24,194.14	:	2,572.17

Note: Communication expense is not subject to 15% administrative fee.

TOTAL PROJECT	Charges
SWCA Labor Total	41,233.22
Expenses Total	\$ 2,415.86
Subcontractors Total	\$ -
Total Project	43,649.08
Tax Total	\$ -
Total Including Taxes	\$ 43,649.08



Standard Hourly Rates Schedule

Standard Hourly Rates are subject to annual review and adjustment. Hourly rates for services in effect on the date of the Agreement are:

Classification	Rate	Classification	Rate
Managing Principal	\$350/hour	Project Surveyor I	\$85/hour
Manager VII	\$300/hour	Professional VII	\$150/hour
Manager VI	\$290/hour	Professional VI	\$130/hour
Manager V	\$270/hour	Professional V	\$125/hour
Manager IV	\$255/hour	Professional IV	\$123/hour
Manager III	\$240/hour	Professional III	\$120/hour
Manager II	\$225/hour	Professional II	\$115/hour
Manager I	\$205/hour	Professional I	\$105/hour
Senior Engineer V	\$290/hour	Construction Manager X	\$315/hour
Senior Engineer IV	\$275/hour	Construction Manager IX	\$300/hour
Senior Engineer III	\$250/hour	Construction Manager VIII	\$180/hour
Senior Engineer II	\$225/hour	Construction Manager VII	\$150/hour
Senior Engineer I	\$200/hour	Construction Manager VI	\$140/hour
Survey Manager IV	\$225/hour	Construction Manager V	\$115/hour
Survey Manager III	\$210/hour	Construction Manager IV	\$105/hour
Survey Manager II	\$170/hour	Construction Manager III	\$100/hour
Project Manager IX	\$245/hour	Construction Manager II	\$95/hour
Project Manager VIII	\$230/hour	Construction Manager I	\$80/hour
Project Manager VII	\$215/hour	Technician XII	\$185/hour
Project Manager VI	\$200/hour	Technician XI	\$160/hour
Project Manager V	\$185/hour	Technician X	\$150/hour
Project Manager IV	\$175/hour	Technician IX	\$140/hour
Project Manager III	\$165/hour	Technician VIII	\$125/hour
Project Manager II	\$150/hour	Technician VII	\$115/hour
Project Manager I	\$140/hour	Technician VI	\$100/hour
Senior Design Engineer III	\$150/hour	Technician V	\$95/hour
Senior Design Engineer II	\$140/hour	Technician IV	\$80/hour
Senior Design Engineer I	\$125/hour	Technician III	\$75/hour
Project Engineer IV	\$165/hour	Technician II	\$65/hour
Project Engineer III	\$160/hour	Technician I	\$60/hour
Project Engineer II	\$150/hour	Support Staff VI	\$120/hour
Project Engineer I	\$140/hour	Support Staff V	\$100/hour
Project Surveyor X	\$185/hour	Support Staff IV	\$90/hour
Project Surveyor IX	\$175/hour	Support Staff III	\$80/hour
Project Surveyor VIII	\$160/hour	Support Staff II	\$75/hour
Project Surveyor VII	\$150/hour	Support Staff I	\$60/hour
Project Surveyor VI	\$140/hour	4-Man Crew	\$240/hour
Project Surveyor V	\$130/hour	3-Man Crew	\$225/hour
Project Surveyor IV	\$120/hour	2-Man Crew	\$165/hour
Project Surveyor III	\$110/hour	1-Man Crew	\$145/hour
Project Surveyor II	\$100/hour		

APPENDIX 3

