PROFESSIONAL SERVICES
SUPPLEMENTAL AGREEMENT # 1
FOR
KELLY LANE INTERCEPTOR & LIFT STATIONS
DECOMMISSIONING/DEMOLITION PROJECT

STATE OF TEXAS §
§
COUNTY OF TRAVIS §

This Supplemental Agreement No. 1 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 2nd day of August, 2022 for the Kelly Lane Interceptor & Lift Stations Decommissioning/Demolition project ("Project") in the amount of Eight Hundred Sixty Thousand Three Hundred Forty Three dollars ($860,343.00).

WHEREAS, the City and Consultant desire to enter into a Supplemental Agreement # 1 for Professional Services for the Project in the amount of $1,668,335.00, 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:

1.

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 $1,668,335.00 the amount payable under the Agreement for a total of $2,528,678.00, as shown by the attached Addendum to Exhibit B (Fee Schedule).

2.

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 PFLUGERVILLE		**CONSULTANT**	
_____		_____	
(Signature)		*(Signature)*	
Printed Name:	Sereniah Breland	Printed Name:	Joseph W. Jenkins, P.E.
Title:	City Manager	Title:	Senior Vice President
Date:	_____	Date:	September 16, 2024

APPROVED AS TO FORM:

_____ Type text here

Charles E. Zech
City Attorney
DENTON NAVARRO RODRIGUEZ BERNAL SANTEE & ZECH, P.C.

Walker Partners
engineers | surveyors
6504 Bridge Point Pkwy., Suite 200
Austin, Texas 78730

Addendum 1 to EXHIBIT A – SCOPE OF SERVICES
Kelly Lane Interceptor & Lift Stations Decommissioning/Demolition Project
City of Pflugerville

Addendum 1 to Project Understanding

We understand that the City no longer intends to utilize the proposed utility easements for reclaimed water systems and or trails/sidewalks and that all lift stations are too be demolished, re-graded to existing conditions, and re-vegetated. The City will provide a list of materials and equipment to be salvaged (and delivered to the City's designated location) from each lift station by the construction contractor.

It is also our understanding that the City intends to 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 CWSRF 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. Continue to prepare monthly invoicing (with detail of hours charged to substantiate payment request), schedule updates, and status reports.
2. Continue to prepare for, attend/conduct, and summarize/document the monthly progress meetings. Each meeting is assumed to last no more than one (1) hour and be attended by no more than two (2) Walker Partners attendees. All meetings are assumed to be virtual. Subconsultants may also be included in some meetings, when necessary.
3. Continue to implement QA/QC plan.

B. Agency/Stakeholder Coordination Meetings and Public Hearing Support.

1. Prepare for, attend/conduct, and summarize/document additional meetings.
2. Up to three (3) additional meetings have been assumed. Each meeting is assumed to last no more than two (2) hours and be attended by no more than three (3) Walker Partners attendees.
3. Public hearing support will no longer be needed unless TWDB funding is pursued by the City. A written request will be submitted to adjust the scope to provide additional agency/stakeholder coordination if City determines TWDB funding will not be pursued at a later date.

C. Alignment Evaluation

1. Walker Partners and Schnabel Engineering to perform two additional site visits to further evaluate geotechnical and construction conditions at locations where trenchless construction methods are planned.
2. Schnabel Engineering to continue next phase of the geotechnical investigation to evaluate the subsurface conditions along the preferred alignment. Provide exhibit with additional test boring locations and depths for City review and approval prior to driller mobilizing to perform additional test borings. A total of 29 additional test borings are assumed, 23 additional borings based on current alignment and 6 additional contingency borings. Each test boring is assumed to be 40-feet-deep.
    a. Soils will be sampled with a truck-mounted drill rig at regular intervals using either a split-spoon sampler while conducting Standard Penetration Test or by using at thin-walled tube sampler. Intact rock will be continuously cored.
    b. Up to five (5) borings will be converted to piezometers for long-term monitoring of groundwater levels consisting of monthly monitoring for one year. Borings in areas of planned open-cut utility installation will be backfilled with soil cuttings and/or bentonite pellets upon completion, and the remaining borings at proposed trenchless locations will be backfilled with a cement-bentonite grout.
    c. Attempt to limit damage to the ground surface, trees, and bushes that may result from the drilling operations, but no restoration is included. For the test borings planned within the golf course area, excavate and remove approximately one (1) square foot of grass before setting up the drill rig for drilling/sampling operations and replace the grass at the original location after backfilling.
    d. Excess drill spoils on the golf course will be collected and disposed of off-site. Excess drill spoils at other locations will be left on-site.
    e. Obtain permits to drill borings in the right-of-way, if needed. One (1) day of traffic control services is included, if needed.
    f. Complete laboratory testing including index classification testing (moisture content, Atterberg limits, unit weight), grain size analysis, unconfined compressive strength, corrosion potential, split tensile testing on one (1) specimen, and Cerchar abrasivity testing.
    g. Update the Preliminary Geotechnical Report and provide a single report with the findings and recommendations for bedding and backfilling of utilities installed via open-cut construction.

h. Perform engineering analysis and provide pavement recommendations for maintenance driveways within the golf course. Pavement types to be considered are a permeable section through grass vegetation and a rigid pavement section for low water crossings.

D. Basis of Design

1. Remobilize to perform environmental studies and investigations on three parcels that were either not accessible or require additional study. Additional studies and updates to reports are required for new route alternatives and the recently encountered archaeological site.
   a. Perform additional aquatic resources delineation (streams, wetlands, and other open waters) that might meet the definition of a waters of the U.S within the project area. Conduct work pursuant to the current U.S. Army Corps of Engineers (USACE) methodologies and in accordance with guidance provided by the USACE Forth Worth District Regulatory Branch. Any waterbodies identified in the field will be characterized with respect to type and condition and the likely jurisdictional boundaries will be captured with GPS equipment. It is assumed that two additional mobilizations will be required to complete this review.
   b. Perform additional field investigation of land features and vegetation communities within the project area to evaluate the potential for federally listed (or proposed for listing) threatened and endangered species habitat. Field investigation methods for identifying potentially suitable habitat for federally listed species will consist primarily of visual reconnaissance of existing conditions within the project area. Field surveys will occur concurrently with aquatic resources delineation field surveys.
   c. Perform additional 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 amendment. Prepare a permit application amendment. Submit the application to the THC. A historic resources viewshed survey for the indirect area of potential effects (APE) and reporting will now be required to comply with Section 106 of the National Historic Preservation Act (NHPA) due to the potential coordination with federal agencies. The additional cultural resources survey assumes additional alignment alternatives for up to 0.96 miles long and a corridor 100-feet-wide, with no more than one (1) new cultural resource site will be identified in the new survey area. Survey efforts will include pedestrian and systematic shovel surveys. Deep mechanical testing with a backhoe for the newly identified cultural resources site will be conducted on parcels P24 and P25. Any deep mechanical testing with a backhoe for new cultural resources sites outside of parcels P24 and P25 would be implemented under a separate work authorization if necessary. It is assumed that seven (7) additional mobilizations will be required to complete these investigations.

E. Final Design

1. Perform up to six (6) additional site visits.
2. Topographic/Tree survey.
   a. Perform an on-the-ground field survey to obtain the topography (terrain data) and other visible and apparent surface features (manmade or natural) such as ditches, swales, channels, embankments, drainage structures, catch basins and inlets, manholes, above-grade utility appurtenances, pavements, significant trees (hardwoods greater than 8 inches in diameter), fences, building structures, water's edge, etc. The survey limits will be determined from the selected alignment and include a 100-foot-wide survey strip of the proposed limits of construction.
   b. Locate geotechnical borings, SUE markings, and SUE test holes.

c. Prepare a topographic map from the topographic survey depicting the physical features as described above and with elevation contours at a 1-foot interval. The 100-year floodplain as identified by FEMA and as depicted on the Flood Insurance Rate Map (FIRM) will be graphically located and drafted on the topographic map.

3. Boundary survey.
   a. Perform a boundary survey based upon North American Datum of 1983 (NAD83) State Plane Coordinates and in accordance with the General Rules of Procedures and Practices as set forth by the Texas Board of Professional Land Surveying and laws of the State of Texas, unless otherwise specified by client.
   b. Prepare a drawing of the boundary survey indicating the measurement and description of the boundary perimeter; the existing survey monuments found in the field; new survey monuments placed; the adjoining property record information; and the acreage of the subject tract.
4. Provide easement metes and bounds survey descriptions with exhibits for wastewater and/or access easements over private property. It is assumed the total number of permanent easements to be prepared will not exceed 18, and the total number of temporary easements to be prepared will not exceed 32. It is assumed the City will provide the legal documents and record any new easements with the County. Walker Partners will provide metes and bounds survey descriptions with exhibits of the proposed easements
5. Coordinate with utilities for design and permitting of utility work to avoid conflicts with existing and proposed utilities.
6. Trenchless and Tunnel Engineering (performed by Schnabel Engineering).
   a. Provide analyses, feasibility-level designs, and calculations related to the development of the design documents and appropriate tunnel methodologies. This may include settlement analyses, feasibility-level shaft designs, feasibility-level tunnel ground support designs, input to instrumentation plans, casing thickness structural design, and ground loading criteria determination. The results of each will be summarized in a basis of design technical memorandum.
   b. Prepare 10-12 applicable specifications related to tunnels and shafts addressing construction of pits, shafts, and tunnels by various methods; groundwater control; instrumentation and monitoring; and carrier pipe installation/grouting.
7. Prepare final Drawings and Specifications indicating the scope, extent, and character of the Work to be performed and furnished by Contractor. Drawings will be submitted at the 60%, 90%, and 100% unsealed stages of completion. A list of specifications and special provisions/specifications will be submitted at the 60% stage of completion and a complete project manual with each subsequent submittal. The Drawings to be prepared with this Phase of the Work, in general, will include the following:
   a. General Condition Drawings (26 sheets anticipated) – these Drawings shall be for informational, permitting, and bidding purposes and shall, in general, consist of the following:
      i) General Notes and Project Specific Notes
      ii) Legends, Abbreviations, and Symbols
      iii) Survey Control Plan
      iv) Sedimentation and Erosion Control and Tree Protection Plan - prepare a Sedimentation and Erosion Control Plan for the limits of construction, including recommendations of "best management practices" for controlling sedimentation and erosion on the site during construction activities. Include tree protection measures, also.
   b. Wastewater Interceptor System Plans (30 sheets anticipated) – prepare drawings for the wastewater interceptor and connections to the lift stations identified in the Basis of Design phase. Plans to be plotted on 22"x34" paper with a horizontal scale of 1"=20'.

c. Lift Station Demolition Plans (20 sheets anticipated) – prepare drawings to demolish four (4) existing lift stations. The City will provide a list of materials and equipment to be salvaged (and delivered to the City's designated location) from each lift station by the construction contractor. Walker Partners will include photos of equipment to be salvaged and record drawings in the plans for information purposes only.

d. Details (24 sheets anticipated) – provide project-specific details, municipality standard details, and state agency (TxDOT) standard details as required for permitting, bidding, and construction purposes. It is assumed that standard City and/or TXDOT traffic control details will be sufficient for permitting and constructing this project. Preparation of project-specific engineered traffic control plan(s) would be implemented under a separate work authorization if necessary. Details will be included with the 60% design submittal and each subsequent submittal.

8. Update Engineer's opinion of probable construction cost (OPCC) (60% - Class 2; 90/100% - Class 1) and advise City of any adjustments to the OPCC known to Engineer at the time of each submittal.
9. Provide technical criteria, written descriptions, and design data and file applications for permits from or approvals of governmental authorities having jurisdiction to review or approve the final design of the Project; assist City in consultations with such authorities; and revise the Drawings and Specifications in response to directives from such authorities. (Includes Travis County and City floodplain permitting efforts).
10. Prepare and submit a summary transmittal letter to the TCEQ executive director and a copy to the appropriate regional office. If we requested by TCEQ, 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 assumed that requests for variances/deviations from 30 TAC Chapter 217 Design Criteria for Domestic Wastewater Systems will not be necessary because no variances have been identified at this time.
11. Prepare and furnish signed and sealed Bidding Documents for review by City, its legal counsel, and other advisors, and assist City in the preparation of other related documents. Bidding Documents will include the City's standard front end documents (bidding and contract documents and capital improvement project requirements and specifications).
12. Revise the Bidding Documents in accordance with comments and instructions from the City, as appropriate, and submit electronic final copies of the Bidding Documents, a revised OPCC, and any other deliverables to City.
13. Conduct 60/90/100% review meetings with City Staff. Meeting minutes will be provided, and responses to comments will be provided with the next deliverable.

F. Bid Phase

1. Assist City in advertising for and obtaining bids for the Work and attend one (1) pre-Bid conference (including support from Schnabel Engineering). Fees for advertising will be paid by the City.
2. Issue Addenda as appropriate to clarify, correct, or change the Bidding Documents (including support from Schnabel Engineering).
3. Provide information or assistance needed by City in the course of any negotiations with prospective contractors.
4. Consult with City as to the acceptability of subcontractors, suppliers, and other individuals and entities proposed by prospective contractors for those portions of the Work as to which such acceptability is required by the Bidding Documents.

5. Attend the Bid opening, prepare Bid tabulation sheets, assist City in evaluating Bids, and prepare a Recommendation of Award letter. Conforming Contract Documents for execution by incorporating information from the selected bid and preparing a Notice of Award will be performed via supplemental amendment after acceptance of a prospective bidder by the City.

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.

A. Removed: Develop lift station decommissioning/demolition/repurposing plans

1. Demolition plans will be provided with basic services, as previously described in this scope of services.

B. Phase 1 Environmental Site Assessment

1. Remobilize one (1) time to complete the Phase 1 Environmental Site Assessment (ESA) (on parcels P3 and P19) following the guidelines in the American Society for Testing and Materials Standard E1527-21 Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process.
2. A refresh of the Phase I ESA is also included because the date of intended use is within 180 days of the date of the regulatory database report, the site visit, or the landowner interviews, whichever comes first, so the report would expire January 19, 2025.

C. Low Water Crossings

1. Conduct a hydraulic study to determine the potential rise in flood stage for no more than five (5) new low water crossings using the City's adopted floodplain model (the standard step-backwater computer model used to develop the 100-year floodplain).
2. Utilize the delineations of the waters of the U.S. (WOTUS) (performed under a separate task) to calculate the loss of WOTUS. A loss greater than 1/10-acre requires a pre-construction notification (PCN) to the USACE district engineer per Nationwide Permit 58 Utility Line Activities for Water and Other Substances. PCN services would be provided under Task G, if necessary.
3. Prepare draft and final technical memorandum summarizing results of the hydraulic study and WOTUS loss calculations.
4. Conduct two virtual meetings with the City to review results of hydraulic study and WOTUS loss calculations.
5. Prepare plans, specifications, and no-rise certification for no more than five (5) new low water crossings if the hydraulic study indicates no-rise in flood stage and the City's Floodplain Administrator permits the low water crossings.
6. Authorization of a supplemental amendment would be required for any low water crossing that could increase flood heights based on the hydraulic study or if additional coordination with FEMA or USACE is required to satisfy floodplain management rules.

D. Pre-Construction Notification (PCN)

1. The City may install up to five low water crossings over an unnamed intermittent tributary near the western project terminus. A budget is provided for a pre-construction notification (PCN) in case a trigger for the PCN is encountered. If a PCN trigger is encountered, a virtual pre-application meeting with the USACE will be hosted by Walker Partners' team to determine the best path forward with regards to Clean Water Act 404 permitting of potentially jurisdictional waterways.
2. Prepare a Nationwide Permit (NWP) PCN package for the City's review and subsequent submittal to the USACE to request authorization for the project. The PCN will include a description of aquatic resources that would be impacted, provide an assessment of permanent and temporary adverse effects the project would have on the aquatic environment, and provide a brief discussion and documentation whether any species listed as threatened or endangered under the Endangered Species Act might be affected by, or found in the vicinity of, the project.
3. Coordinate with the appropriate mitigation credit bank to purchase credits, if necessary.

4. The following are assumed for this task:
    a. No in-person meetings or site visits with the USACE.
    b. No agency coordination with agencies other than the USACE and the Texas Historical Commission will be required. Significant agency-level coordination beyond emails or brief phone calls is not included. In-person meetings or extended phone calls could require additional services.
    c. No species-specific presence/absence surveys will be required.
    d. No Approved Jurisdictional Determination is required.
    e. No aquatic resources functional assessment, restoration design, mitigation, and/or post-construction inspection will be required.

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

1. 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. SWCA also anticipates some agency coordination 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. In-person meetings or extended phone calls could require additional services.

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 wastewater modeling of the wastewater collection 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.
- 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.
- Preparation of project-specific engineered traffic control plan(s).
- Providing traffic control services not detailed in this scope of services or the original scope of services.
- Water, drainage, structural, electrical, or retaining wall designs.
- Floodplain map revisions.
- Floodway mapping.
- Design work related to LEEDS certification(s).
- Landscape architectural services.
- Construction phase services. After acceptance by City of a prospective bidder, construction administration services shall be provided via supplemental amendment.
- Abstracting fee title, easements, restrictions or other encumbrances.
- Abandonment of private or public easements.
- Design of any "dry" utility facilities (i.e. gas, electric, phone, cable TV, fiber optic, etc.).
- 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 variances/deviations from 30 TAC Chapter 217 Design Criteria for Domestic Wastewater Systems.
- Competitive sealed proposal procurement.

Addendum 1 to EXHIBIT B – COMPENSATION TO CONSULTANT

Total compensation for Basic Services set forth in Exhibit A is estimated not to exceed $1,548,522 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 $168,143 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 $1,548,522 based on the following estimated distribution of compensation:

1.	Task A - Project Management	$ 54,708
2.	Task B - Agency/Stakeholder/Public Hearing Support	$ 18,660
3.	Task C - Alignment Evaluation	$ 330,359
4.	Task D - Basis of Design	$ 71,764
5.	Task E – Design Phase	$1,042,370
6.	Task F – Bid Phase	$ 30,661

- **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.

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 $168,143 based on the following estimated distribution of compensation:

1.	Task S-D - Phase I ESA	$ 6,331
2.	Task S-F – Low Water Crossings	$102,900
3.	Task S-G – Pre-Construction Notification	$ 42,346
4.	Task S-H – WIFIA Programmatic Environmental Assessment	$ 16,566

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.

Addendum 1 to EXHIBIT C – WORK SCHEDULE

The 60% Design Documents will be submitted within four months of execution of Agreement.

The 90% Design Documents will be submitted within two months of receiving City comments.

The 100% Design Documents will be submitted within two months of receiving City comments.

The Final Documents for Advertisement will be submitted within one month 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 Appendix 3.

Appendix 1

Kelly Lane Interceptor and Lift Stations Decommissioning/Demolition Project
PSSA #1 - Summary
9/11/2024

Task	Description	PSA	PSSA #1	Total
A	Project Management	$ 67,551.00	$ 54,708.00	$ 122,259.00
B	Agency/Stakeholder Coordination Meetings and Public Hearing Support	$ 47,646.00	$ 18,660.00	$ 66,306.00
C	Alignment Evaluation	$ 373,047.00	$ 330,359.00	$ 703,406.00
D	Basis of Design	$ 206,828.00	$ 71,764.00	$ 278,592.00
E	Design Phase	$ -	$ 1,042,370.00	$ 1,042,370.00
F	Bid Phase	$ -	$ 30,661.00	$ 30,661.00
	Basic Services Subtotals	**$ 695,072.00**	**$ 1,548,522.00**	**$ 2,243,594.00**
S-A	SUE QL "A" locates	$ 74,620.00	$ -	$ 74,620.00
S-B	Lift station decommissioning/demolition plans	$ 48,330.00	$ (48,330.00)	$ -
S-C	TWDB Engineering Feasibility Report	$ 17,090.00	$ -	$ 17,090.00
S-D	Phase I Environmental Assessment	$ 8,278.00	$ 6,331.00	$ 14,609.00
S-E	TWDB Environmental Information Document	$ 16,953.00	$ -	$ 16,953.00
S-F	Low Water Crossings	$ -	$ 102,900.00	$ 102,900.00
S-G	Pre-Construction Notification to USACE	$ -	$ 42,346.00	$ 42,346.00
S-H	Prepare WIFIA Programmatic Environmental Assessment	$ -	$ 16,566.00	$ 16,566.00
	Supplemental Services Subtotals	**$ 165,271.00**	**$ 119,813.00**	**$ 285,084.00**
	Totals	**$ 860,343.00**	**$ 1,668,335.00**	**$ 2,528,678.00**

APPENDIX 1

Kelly Lane Interceptor and Lift Stations Decommissioning/Demolition Project
PSSA #1
9/11/2024
Detailed Overall Cost Breakdown

Project Fee Summary	
Basic Effort	$ 1,548,522.00
Supplemental	$ 168,143.00
Total Effort	$ 1,716,665.00

Task	Employee	J. Jenkins	Erosion Hazard QC Reviewer	Civil Design QC Reviewer	E. Nelson													Total Hours	Walker Partners Effort	SWCA	The Rios Group	Schnabel Engineering	JRSA Engineering	Total Sub Effort (w/ 5% mark-up)	Total Effort
	Project Role	Manager VII	Manager VI	Senior Engineer V	Project Manager VIII	Project Manager VII	Project Manager IV	Project Engineer III	Professional VI	Technician XII	Technician VIII	Support Staff V	Construction Manager IX	Survey Manager IV	Survey Manager II	Technician VII	3 Man Survey Crew								
	Hourly Bill Rate	$300.00	$290.00	$290.00	$230.00	$215.00	$175.00	$160.00	$130.00	$185.00	$125.00	$100.00	$300.00	$225.00	$170.00	$115.00	$225.00								
A	**Project Management**	14	8	8	84	3	3	3	36	0	0	44	0	8	0	0	0	211	$ 40,690	$ 6,510	$ -	$ 6,840	$ -	$ 14,018	$ 54,708
	Prepare monthly invoicing, schedule updates, and status reports				48							12						60	$ 12,240	$ 6,510		$ 2,580		$ 9,545	$ 21,785
	Prepare for, attend/conduct, and summarize/document monthly meetings	6			36	3	3	3	36			12						99	$ 17,610			$ 4,260		$ 4,473	$ 22,083
	Implement QA/QC plan	8	8	8								20		8				52	$ 10,840					$ -	$ 10,840
B	**Agency/Stakeholder Coordination Meetings and Public Hearing Support**	6	0	0	24	6	6	6	24	12	12	12	0	0	0	0	0	108	$ 18,660	$ -	$ -	$ -	$ -	$ -	$ 18,660
	Prepare for, attend/conduct, and summarize/document up to 3 meetings	6			24	6	6	6	24	12	12	12						108	$ 18,660					$ -	$ 18,660
C	**Alignment Evaluation**	2	0	0	32	0	0	32	0	0	24	0	0	2	8	8	12	120	$ 21,510	$ -	$ -	$ 294,141	$ -	$ 308,849	$ 330,359
	Site Visits for Trenchless Engineering				8			8										16	$ 3,120			$ 4,560		$ 4,788	$ 7,908
	Phase 2 Geotechnical Investigation	2			24			24			24			2	8	8	12	104	$ 18,390			$ 289,581		$ 304,061	$ 322,451
D	**Basis of Design**	3	0	0	12	0	0	24	0	0	0	0	0	0	0	0	0	39	$ 7,500	$ 61,203	$ -	$ -	$ -	$ 64,264	$ 71,764
	Aquatic Resources Delineation	1			4			8										13	$ 2,500	$ 7,717				$ 8,103	$ 10,603
	Threatened and Endangered Species Assessment	1			4			8										13	$ 2,500	$ 1,627				$ 1,709	$ 4,209
	Cultural Resources	1			4			8										13	$ 2,500	$ 51,859				$ 54,452	$ 56,952
E	**Design Phase**	21	29	85	297	8	8	866	1,340	766	950	100	0	70	266	712	500	6,018	$ 949,360	$ -	$ -	$ 88,580	$ -	$ 93,010	$ 1,042,370
	Site Visits		16		16	8	8	24	24									96	$ 18,400					$ -	$ 18,400
	Topographic/Tree Survey			8	8			8	8	8				24		120	270	454	$ 87,910					$ -	$ 87,910
	Boundary Survey			8	8			8	8	8		60		20	120	160	180	580	$ 97,760					$ -	$ 97,760
	Easement Descriptions and Exhibits			25	25			50	50	50		40		26	146	432	50	894	$ 132,350					$ -	$ 132,350
	Coordinate with utilities							40	80	40								160	$ 24,200					$ -	$ 24,200
	Prepare 60% Interim Design Documents	4	4	12	48			300	400	300	400							1,468	$ 222,380			$ 47,880		$ 50,274	$ 272,654
	Update Engineer's OPCC (Class 2) for 60% Interim Design	2		2	8			8	16									36	$ 6,380					$ -	$ 6,380
	Prepare 90% Interim Design Documents	4	4	8	32			180	270	180	270							948	$ 142,990			$ 28,690		$ 30,125	$ 173,115
	Update Engineer's OPCC (Class 1) for 90% Interim Design	2		2	8			8	16									36	$ 6,380					$ -	$ 6,380
	Prepare 100% Interim Design Documents	4	2	6	24			120	160	120	160							596	$ 91,240			$ 12,010		$ 12,611	$ 103,851
	Update Engineer's OPCC (Class 1) for 100% Interim Design	2		2	8			8	16									36	$ 6,380					$ -	$ 6,380
	Agency Permitting Coordination and Support				40			40	160									240	$ 36,400					$ -	$ 36,400
	Prepare Bidding Documents	2	2	8	40			40	80	40	80							292	$ 46,900					$ -	$ 46,900
	Address Bidding Document comments and provide final documents	1	1	4	20			20	40	20	40							146	$ 23,450					$ -	$ 23,450
	Meetings																								
	60/90/100% review meetings				12			12	12									36	$ 6,240					$ -	$ 6,240
F	**Bid Phase**	4	0	4	22	4	4	22	36	16	16	38	0	0	0	0	0	166	$ 25,940	$ -	$ -	$ 4,495	$ -	$ 4,721	$ 30,661
	Pre-Bid Assistance and Pre-Bid Conference				4			4	4			4						16	$ 2,480			$ 925		$ 972	$ 3,452
	Issue Addenda	2		2	8	4	4	16	16	16	16	16						100	$ 15,780			$ 3,570		$ 3,749	$ 19,529
	Attend Bid Opening				2			2				2						6	$ 980					$ -	$ 980
	Prepare Bid Tabulations, Evaluate Bids, and Recommendation of Award	2		2	8				16			16						44	$ 6,700					$ -	$ 6,700
	Supplemental Services																								
	Supplemental Services	6	56	0	48	28	48	72	84	160	0	60	20	8	20	40	80	730	$ 135,340	$ 31,240	$ -	$ -	$ -	$ 32,803	$ 168,143
S-A	SUE QL "A" locates																	0	$ -					$ -	$ -
S-B	Lift station decommissioning/demolition plans																	0	$ -					$ -	$ -
S-C	TWDB Engineering Feasibility Report																	0	$ -					$ -	$ -
S-D	Phase I Environmental Assessment				4			8										12	$ 2,200	$ 3,934				$ 4,131	$ 6,331
S-E	TWDB Environmental Information Document																	0	$ -					$ -	$ -
S-F	Low Water Crossings	4	40		20	20	40	40	60	120		40	20	8	20	40	80	552	$ 102,900					$ -	$ 102,900
S-G	Pre-Construction Notification to USACE	2	16		16	8	8	8	24	40		20						142	$ 25,840	$ 15,720				$ 16,506	$ 42,346
S-H	Prepare WIFIA Programmatic Environmental Assessment				8			16										24	$ 4,400	$ 11,586				$ 12,166	$ 16,566
	Grand Total																	6,730	$ 1,199,000	$ 98,953	$ -	$ 394,056	$ -	$ 517,665	$ 1,716,665

Project Budget Summary

Project Name:	Kelly Lane Wastewater Line
Project No.:	00071412-000-AUS

SWCA ENVIRONMENTAL CONSULTANTS
Sound Science. Creative Solutions.

	Totals	Phase 01	Phase 02	Phase 03	Phase 04	Phase 05	Phase 06	Phase 07
	Total All Phases	**Meetings, Coordination, PM**	**AR Delineation**	**T&E Assessment**	**CR**	**PIESA**	**PCN**	**WIFIA**
LABOR								
Discipline	Level	Rate	Hours / Charge	Hours / Charge	Hours / Charge	Hours / Charge	Hours / Charge	Hours / Charge	Hours / Charge	Hours / Charge
Technical Writer/Editor		$ 169.00	4.00 $ 676.00	- $ -	- $ -	- $ -	4.00 $ 676.00	- $ -	- $ -	- $ -
Environmental Resources	Specialist VIII	$ 158.00	82.00 $ 12,956.00	40.00 $ 6,320.00	- $ -	10.00 $ 1,580.00	4.00 $ 632.00	- $ -	- $ -	28.00 $ 4,424.00
Environmental Resources	Subject Matter Expert I	$ 230.00	5.00 $ 1,150.00	- $ -	3.00 $ 690.00	- $ -	- $ -	- $ -	2.00 $ 460.00	- $ -
Cultural Resources	Subject Matter Expert II	$ 242.00	2.00 $ 484.00	- $ -	- $ -	- $ -	2.00 $ 484.00	- $ -	- $ -	- $ -
Cultural Resources	Specialist IX	$ 169.00	65.00 $ 10,985.00	- $ -	- $ -	- $ -	65.00 $ 10,985.00	- $ -	- $ -	- $ -
Environmental Resources	Specialist XI	$ 207.00	29.00 $ 6,003.00	- $ -	- $ -	- $ -	- $ -	- $ -	- $ -	29.00 $ 6,003.00
Environmental Resources	Subject Matter Expert I	$ 230.00	2.00 $ 460.00	- $ -	- $ -	- $ -	- $ -	2.00 $ 460.00	- $ -	- $ -
Environmental Resources	Specialist IV	$ 114.00	20.00 $ 2,280.00	- $ -	- $ -	- $ -	- $ -	20.00 $ 2,280.00	- $ -	- $ -
Cultural Resources	Specialist VI	$ 137.00	98.00 $ 13,426.00	- $ -	- $ -	- $ -	98.00 $ 13,426.00	- $ -	- $ -	- $ -
Cultural Resources	Specialist VII	$ 147.00	4.00 $ 588.00	- $ -	- $ -	- $ -	- $ -	- $ -	4.00 $ 588.00	- $ -
Cultural Resources	Specialist IV	$ 114.00	68.00 $ 7,752.00	- $ -	- $ -	- $ -	64.00 $ 7,296.00	- $ -	4.00 $ 456.00	- $ -
Cultural Resources	Specialist VII	$ 147.00	28.00 $ 4,116.00	- $ -	- $ -	- $ -	28.00 $ 4,116.00	- $ -	- $ -	- $ -
Environmental Resources	Specialist III	$ 104.00	32.00 $ 3,328.00	- $ -	30.00 $ 3,120.00	- $ -	- $ -	- $ -	2.00 $ 208.00	- $ -
Environmental Resources	Specialist IX	$ 169.00	39.00 $ 6,591.00	- $ -	20.00 $ 3,380.00	- $ -	- $ -	- $ -	19.00 $ 3,211.00	- $ -
GIS/CADD	Specialist VI	$ 137.00	35.00 $ 4,795.00	- $ -	- $ -	- $ -	19.00 $ 2,603.00	2.00 $ 274.00	8.00 $ 1,096.00	6.00 $ 822.00
Technical Writer/Editor	Specialist V	$ 123.00	11.00 $ 1,353.00	- $ -	- $ -	- $ -	4.00 $ 492.00	1.00 $ 123.00	6.00 $ 738.00	- $ -
Administration	Specialist V	$ 123.00	4.00 $ 492.00	- $ -	1.00 $ 123.00	- $ -	2.00 $ 246.00	1.00 $ 123.00	- $ -	- $ -
Environmental Resources	Specialist X	$ 189.00	45.00 $ 8,505.00	- $ -	- $ -	- $ -	- $ -	- $ -	45.00 $ 8,505.00	- $ -
Cultural Resources	Specialist V	$ 123.00	4.00 $ 492.00	- $ -	- $ -	- $ -	4.00 $ 492.00	- $ -	- $ -	- $ -
Cultural Resources	Specialist III	$ 104.00	4.00 $ 416.00	- $ -	- $ -	- $ -	4.00 $ 416.00	- $ -	- $ -	- $ -
Labor Subtotal			581.00 $ 86,848.00	40.00 $ 6,320.00	54.00 $ 7,313.00	10.00 $ 1,580.00	298.00 $ 41,864.00	26.00 $ 3,260.00	90.00 $ 15,262.00	63.00 $ 11,249.00
Communication Fee - % of Labor		*3%*	*$ 2,605.44*	*$ 189.60*	*$ 219.39*	*$ 47.40*	*$ 1,255.92*	*$ 97.80*	*$ 457.86*	*$ 337.47*
Labor Total			581.00 $ 89,453.44	40.00 $ 6,509.60	54.00 $ 7,532.39	10.00 $ 1,627.40	298.00 $ 43,119.92	26.00 $ 3,357.80	90.00 $ 15,719.86	63.00 $ 11,586.47
TOTAL EXPENSES			$ 2,299.20	$ -	$ 184.46	$ -	$ 1,538.82	$ 575.92	$ -	$ -
Subcontractor Fee Total			$ 7,200.00	$ -	$ -	$ -	$ 7,200.00	$ -	$ -	$ -
Project Phase Total			**$ 98,952.64**	**$ 6,509.60**	**$ 7,716.85**	**$ 1,627.40**	**$ 51,858.74**	**$ 3,933.72**	**$ 15,719.86**	**$ 11,586.47**

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

TOTAL PROJECT	Charges
SWCA Labor Total	**$ 89,453.44**
Expenses Total	**$ 2,299.20**
Subcontractors Total	**$ 7,200.00**
Total Project	**$ 98,952.64**
Tax Total	**$ -**
Total Including Taxes	**$ 98,952.64**

SCHNABEL ENGINEERING FEE ESTIMATE - SUMMARY

PROJECT: Kelly Lane WW Interceptor Final Design and Procurement **Attachment 2**
DATE: 9/10/2024
REFERENCE NO.: 24720030

	TASK							
	Tasks 01 & 02 - PM and meetings	**Task 03 - Site Visits**	**Task 04 - Phase 2 Geotechnical Investigation and Reporting**	**Task 11 - 60% Trenchless Design**	**Task 12 - 90% Trenchless Design**	**Task 13 - 100% Trenchless Design**	**Task 14 - Procurement**	**TOTAL COST**
Labor	$ 6,840.00	$4,560.00	$ 136,030.00	$ 47,880.00	$ 28,690.00	$ 12,010.00	$ 4,495.00	**$ 240,505.00**
Expenses and Unit Billings	$ -	$ -	$ 7,751.00	$ -	$ -	$ -	$ -	**$ 7,751.00**
Subcontractors - Geotechnical Drilling and 1 day of Traffic Control	$ -	$ -	$ 107,462.00	$ -	$ -	$ -		**$ 107,462.00**
Laboratory Testing	$ -	$ -	$ 38,338.00	$ -	$ -	$ -		**$ 38,338.00**
Total Cost	$ 6,840.00	$4,560.00	$ 289,581.00	$ 47,880.00	$ 28,690.00	$ 12,010.00	$ 4,495.00	**$ 394,056.00**

SCHNABEL ENGINEERING FEE ESTIMATE - LABOR

PROJECT: Kelly Lane WW Interceptor Fi
DATE: 9/10/2024
REFERENCE NO.: 24720030

Attachment 3

DESCRIPTION OF TASK	CLASSIFICATION									TOTAL HOURS	TOTAL COST
	Senior Consultant (Hrs)	Senior Associate (Hrs)	Associate (Hrs)	Senior Engineer (Hrs)	Project Engineer (Hrs)	Senior Staff Engineer (Hrs)	Staff Engineer (Hrs)	Senior CADD Technician (Hrs)	Admin (Hrs)		
	$ 325.00	$ 280.00	$ 250.00	$ 215.00	$ 185.00	$ 165.00	$145	$ 155.00	$ 95.00		
Tasks 01 & 02 - PM and meetings											
a) Monthly invoice and status report				12						12	$ 2,580
b) Monthly progress meetings		6		12						18	$ 4,260
										0	$ -
										0	$ -
Subtotal Hours:	0	6	0	24	0	0	0	0	0	30	****
Subtotal Labor Fee:	$ -	$ 1,680	$ -	$ 5,160	$ -	$ -	$ -	$ -	$ -	****	$ 6,840
Task 03 - Site Visits											
a) 2 site visits		2		10	10					22	$ 4,560
										0	$ -
Subtotal Hours:	0	2	0	10	10	0	0	0	0	22	****
Subtotal Labor Fee:	$ -	$ 560	$ -	$ 2,150	$ 1,850	$ -	$ -	$ -	$ -	****	$ 4,560
Task 04 - Phase 2 Geotechnical Investigation and Reporting											
a) Review existing geotechnical info			3		6					9	$ 1,860
b) Layout and stake borings			4	4		24				32	$ 5,820
c) Coordinate with drilling and laboratory testing assignment				12		20				32	$ 5,880
d) Logging Borings						240				240	$ 39,600
e) Draft and Final Boring Logs		4		16		60				80	$ 14,460
f) Geotechnical Analysis,			2	4	16					22	$ 4,320
g) Geotechnical Report Preparation		8		12	40			8	2	70	$ 13,650
h) Bedding and Backfilling Recommendations				4	8					12	$ 2,340
i) Project Meetings			12	12						24	$ 5,580
										0	$ -
Task 04.2 - Long Term Piezometer Monitoring										0	$ -
j) Well Data Collection						120				120	$ 19,800
k) Data Reduction			8	24		24				56	$ 11,120
										0	$ -
Task 04.3 - Pavement Design for Golf Course Maintenance Drive										0	$ -
a) Permeable Pavement Research, Vendor Outreach, and Design		4		8	16					28	$ 5,800
b) Rigid Pavement Secton for Low Water Crossing		4		8	16					28	$ 5,800
										0	$ -
Subtotal Hours:	0	20	29	104	102	488	0	8	2	753	****
Subtotal Labor Fee:	$ -	$ 5,600	$ 7,250	$ 22,360	$ 18,870	$ 80,520	$ -	$ 1,240	$ 190	****	$ 136,030
Task 11 - 60% Trenchless Design											
a) Trenchless Engineering and Calculations		12		20	40			4		76	$ 15,680
b) 60% Design Deliverables (plans and specifications)		8		24	60					92	$ 18,500
c) 60% Opinion of Probable Construction Costs	4	32		16						52	$ 13,700
c)										0	$ -
Subtotal Hours:	4	52	0	60	100	0	0	4	0	220	****
Subtotal Labor Fee:	$ 1,300	$ 14,560	$ -	$ 12,900	$ 18,500	$ -	$ -	$ 620	$ -	****	$ 47,880
Task 12 - 90% Trenchless Design											
a) Technical Memorandum		4		8	24			4		40	$ 7,900
b) 90% Design Deliverables (plans and specifications)		6		12	40					58	$ 11,660
c) 90% Opinion of Probable Construction Costs	2	18		16						36	$ 9,130
Subtotal Hours:	2	28	0	36	64	0	0	4	0	134	****
Subtotal Labor Fee:	$ 650	$ 7,840	$ -	$ 7,740	$ 11,840	$ -	$ -	$ 620	$ -	****	$ 28,690
Task 13 - 100% Trenchless Design											
a) Not used.										0	$ -
b) 90% Design Deliverables (plans and specifications)		6		16						22	$ 5,120
c) 90% Opinion of Probable Construction Costs	2	10		16						28	$ 6,890
Subtotal Hours:	2	16	0	32	0	0	0	0	0	50	****
Subtotal Labor Fee:	$ 650	$ 4,480	$ -	$ 6,880	$ -	$ -	$ -	$ -	$ -	****	$ 12,010
Task 14 - Procurement											
a) Pre-proposal Conference		1		3						4	$ 925
b) Brepare Addenda and Clarifications		2		14						16	$ 3,570
										0	$ -
										0	$ -
Subtotal Hours:	0	3	0	17	0	0	0	0	0	20	****
Subtotal Labor Fee:	$ -	$ 840	$ -	$ 3,655	$ -	$ -	$ -	$ -	$ -	****	$ 4,495

Total Hours	8	127	29	283	276	488	0	16	2	1221	****
Total Labor Fee	$ 2,600	$ 35,560	$ 7,250	$ 60,845	$ 51,060	$ 80,520	$ -	$ 2,480	$ 190	****	$ 240,505
										CONTINGENCY: 0.0%	$ -
										TOTAL LABOR:	$ 240,505

Appendix 2

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

2024 LABOR CATEGORIES AND BILLING RATES

Environmental Consulting Services

Cultural Resources
Environmental Resources
Paleontology
Scientific Resources
Planning Resources
Graphics/Media Production
GIS/CADD Resources
Technical Writing/Editing
Training/Facilitating
Air Quality

Specialist I	$77.00	Specialist IX	$169.00
Specialist II	$91.00	Specialist X	$189.00
Specialist III	$104.00	Specialist XI	$207.00
Specialist IV	$114.00	Specialist XII	$226.00
Specialist V	$123.00	Subject Matter Expert I	$230.00
Specialist VI	$137.00	Subject Matter Expert II	$242.00
Specialist VII	$147.00	Subject Matter Expert III	$268.00
Specialist VIII	$158.00	Subject Matter Expert IV	$293.00

Engineering and Special Services (Tier 1)

Specialist IV	$123.00	Specialist X	$207.00
Specialist V	$137.00	Specialist XI	$226.00
Specialist VI	$147.00	Specialist XII	$242.00
Specialist VII	$158.00	Subject Matter Expert I	$242.00
Specialist VIII	$169.00	Subject Matter Expert II	$252.00
Specialist IX	$189.00	Subject Matter Expert III	$278.00
		Subject Matter Expert IV	$305.00

Direct expenses are subject to a 15% administrative markup and subcontractor expenses are subject to a 20% administrative markup. These rates do not apply to depositions or testimonies at administrative hearings and trials. Such activities fall under our Expert Witness rates, which vary by state.

A communication/data fee is invoiced at a rate of 3% of labor to cover such expenses (i.e.: cell phones, data plans, faxes, etc.).

Overtime is invoiced at 1.2 times standard rates. All overtime must be approved in writing by client. Client shall pay overtime for all hours worked in excess of forty hours per week. Client shall not pay overtime rates for Contractor's salaried employees.

Per Diem is billed at the GSA rate in place at the time of billing. Mileage is billed at the IRS mileage rate in place at the time of billing.

Schnabel ENGINEERING

TUNNEL BUSINESS UNIT

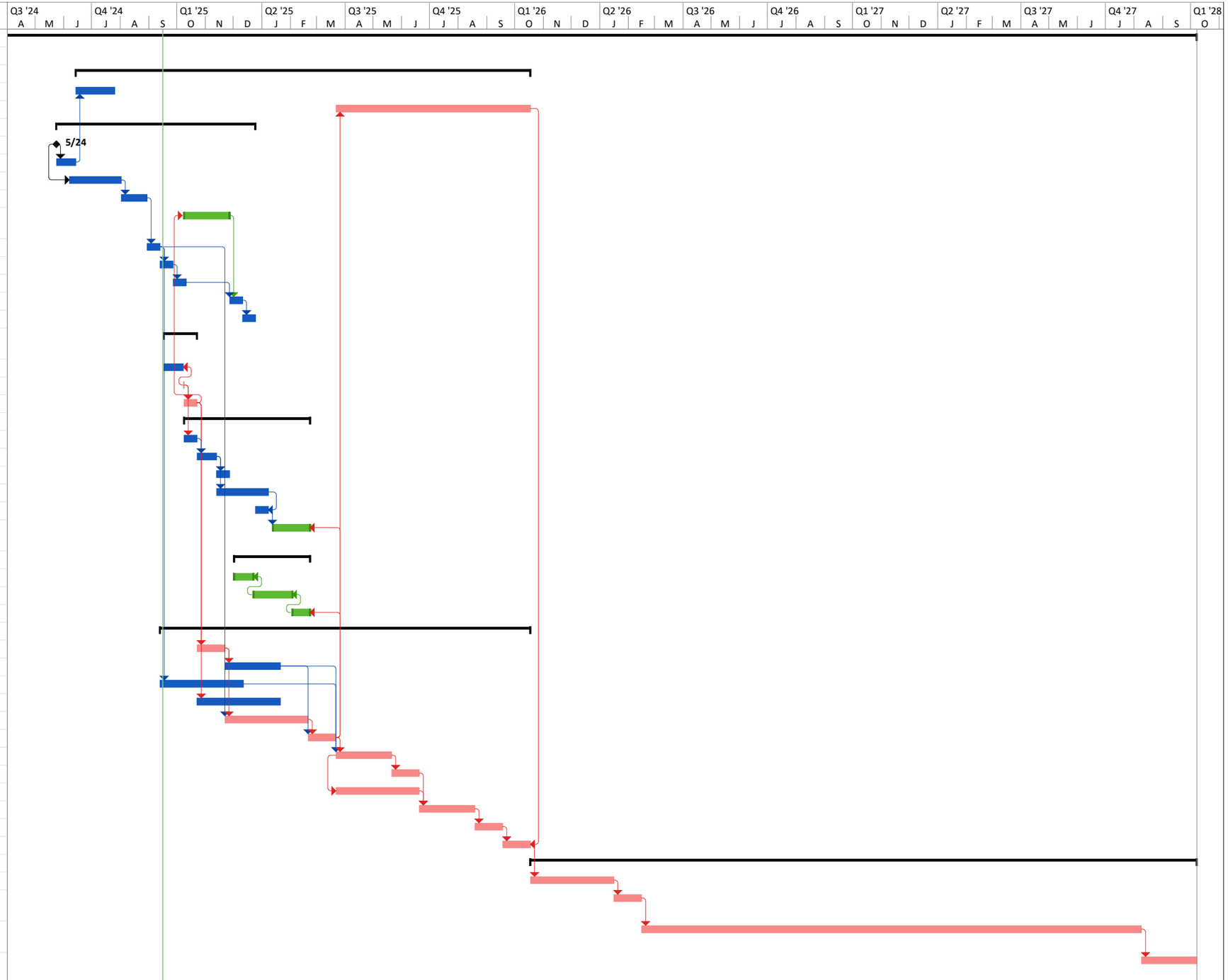
SCHEDULE OF FEES FOR PERSONNEL

Effective January 1, 2024

Senior Consultant	$325.00/hr
Senior Associate	280.00/hr
Associate	250.00/hr
Senior Engineer / Scientist	215.00/hr
Project Engineer / Scientist	185.00/hr
Senior Staff Engineer / Scientist / Technologist	165.00/hr
Staff Engineer / Scientist / Technologist	145.00/hr
Senior CADD Technician	155.00/hr
Associate Technician / Technician / Engineering Intern	110.00/hr
Administrative	95.00/hr
Clerical	85.00/hr

Appendix 3

ID	Task Name	Duration	Start	Finish	Predecessors
1	**Kelly Lane WWI & LS Dec/Dem**	**1346 days**	**Thu 8/11/22**	**Thu 10/7/27**	
2	**Alignment Evaluation**	**309 days**	**Thu 8/11/22**	**Tue 10/17/23**	
9	**Land Acquisition (7 Arrows)**	**351 days**	**Fri 6/14/24**	**Fri 10/17/25**	**4**
10	Title Commitments	6 wks	Fri 6/14/24	Thu 7/25/24	14
11	Easement Acquisition	7 emons	Fri 3/21/25	Fri 10/17/25	44
12	**Basis of Design**	**153 days**	**Fri 5/24/24**	**Tue 12/24/24**	
13	Update Recommended Route	0 days	Fri 5/24/24	Fri 5/24/24	
14	City Review/Concurrence	3 wks	Fri 5/24/24	Thu 6/13/24	13
15	THC Antiquities Permit	40 days	Fri 6/7/24	Thu 8/1/24	13SS+2 wks
16	Field Investigations and Reporting	1 mon	Fri 8/2/24	Thu 8/29/24	15
17	Field Investigations and Reporting - P25	7 wks	Wed 10/9/24	Tue 11/26/24	26
18	Alignment Adjustments	2 wks	Fri 8/30/24	Thu 9/12/24	16
19	Draft Basis of Design Report	2 wks	Fri 9/13/24	Thu 9/26/24	18
20	City Review	2 wks	Fri 9/27/24	Thu 10/10/24	19
21	Finalize Basis of Design Report	2 wks	Wed 11/27/24	Tue 12/10/24	20,17
22	City Acceptance	2 wks	Wed 12/11/24	Tue 12/24/24	21
23	**Professional Services Supplemental Agreement**	**26 days**	**Tue 9/17/24**	**Tue 10/22/24**	
24	PSSA for City Council Packet	3 wks	Tue 9/17/24	Tue 10/8/24	25SF
25	City Council Approval	1 day	Tue 10/8/24	Tue 10/8/24	
26	Execute PSSA and Issue NTP	2 wks	Wed 10/9/24	Tue 10/22/24	25
27	**Golf Course Coordination**	**98 days**	**Wed 10/9/24**	**Fri 2/21/25**	
28	Site Visit with Landowner and City	2 wks	Wed 10/9/24	Tue 10/22/24	25
29	Waters Delineation and Reporting	3 wks	Wed 10/23/24	Tue 11/12/24	28
30	Review with City	2 wks	Wed 11/13/24	Tue 11/26/24	29
31	Cultural Investigation and Reportin	8 wks	Wed 11/13/24	Tue 1/7/25	29
32	Final Adjustments with City	2 wks	Wed 12/25/24	Tue 1/7/25	31FF
33	Landowner Discussions and Easement Description	6 wks	Mon 1/13/25	Fri 2/21/25	44FF,32
34	**P19 Coordination**	**60 days**	**Mon 12/2/24**	**Fri 2/21/25**	
35	Field Investigations	3 wks	Mon 12/2/24	Mon 12/23/24	36SF
36	Environmental and Cultural Report	6 wks	Mon 12/23/24	Mon 2/3/25	37SF
37	Easement Description	3 wks	Mon 2/3/25	Fri 2/21/25	44FF
38	**Final Design**	**286 days**	**Thu 9/12/24**	**Fri 10/17/25**	
39	Boundary and Topographic Surveys	1 emon	Tue 10/22/24	Thu 11/21/24	26
40	Easement Descriptions	2 emons	Thu 11/21/24	Mon 1/20/25	39
41	SUE Investigations	3 emons	Thu 9/12/24	Wed 12/11/24	18
42	Geotech Investigations Phase 2	3 emons	Tue 10/22/24	Mon 1/20/25	26
43	60%	3 emons	Thu 11/21/24	Wed 2/19/25	39,18
44	City Review	1 emon	Wed 2/19/25	Fri 3/21/25	43,40
45	90%	2 emons	Fri 3/21/25	Tue 5/20/25	44,40,41
46	City Review	1 emon	Tue 5/20/25	Thu 6/19/25	45
47	Permitting	3 emons	Fri 3/21/25	Thu 6/19/25	45SS
48	100%	2 emons	Thu 6/19/25	Mon 8/18/25	47,46
49	City Review	1 emon	Mon 8/18/25	Wed 9/17/25	48
50	Final for Advertisement	1 emon	Wed 9/17/25	Fri 10/17/25	11FF,49
51	**Procurement and Construction**	**514 days**	**Fri 10/17/25**	**Thu 10/7/27**	
52	Procurement	3 emons	Fri 10/17/25	Thu 1/15/26	50
53	Conform Documents and Issue Notice to Proceed	1 emon	Thu 1/15/26	Sat 2/14/26	52
54	Final Completion - Interceptors In Service	18 emons	Sat 2/14/26	Sun 8/8/27	53
55	Final Completion - LS Demo and Close Out	2 emons	Sun 8/8/27	Thu 10/7/27	54



Project: Kelly Lane WWI & LS Dec/Dem
Date: Mon 9/16/24

Task	Summary	External Milestone	Inactive Summary	Manual Summary Rollup	Finish-only	Critical Split
Split	Project Summary	Inactive Task	Manual Task	Manual Summary	Deadline	Progress
Milestone	External Tasks	Inactive Milestone	Duration-only	Start-only	Critical	Manual Progress