

**PROFESSIONAL SERVICES
SUPPLEMENTAL AGREEMENT # 2
FOR
Wilbarger Wastewater Interceptor**

**STATE OF TEXAS §
 §
COUNTY OF TRAVIS §**

This Supplemental Agreement No. 2 to a contract for Professional Services is made by and between the City of Pflugerville, Texas ("City") and Kimley-Horn and Associates, Inc. ("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 10th day of November 2020 for the Wilbarger Wastewater Interceptor project ("Project") in the amount of \$858,059.35; and

WHEREAS, the City and Consultant executed Supplemental Agreement #1 for Professional Services for the Project on the 20th day of April 2021 in the amount of \$36,694.35 to add additional scope of services for LIDAR, photography, digital orthophotos, and aerial mapping of the project; and

WHEREAS, the City and Consultant desire to enter into a Supplemental Agreement # 2 for Professional Services for the Project in the amount of \$1,130,833.20, to add 60%, 90%, 100% Design, and Bid phase services to the Agreement.

WHEREAS, it has become necessary to amend the Agreement to modify the provisions for the Scope of Services Compensation and Subcontracting; 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 Attachment A, shall be amended as set forth in the attached addendum to Attachment A.

Article IV. Compensation to Consultant and Attachment B (Fee Schedule), shall be amended by increasing by \$1,130,833.20 the amount payable under the Agreement for a total of \$2,025,586.90 as shown by the attached Addendum to Attachment B.

2.

Article XI. Assignment and Subcontracting, Section 11.2 shall be amended to add Macias & Associates, L.P. except as amended hereby and as previously amended as indicated above, 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: Jeff Farnsworth


Title: City Manager

Title: Vice President

Date: _____

Date: June 9th, 2021

APPROVED AS TO FORM:



Charles E. Zech

City Attorney

DENTON NAVARRO ROCHA BERNAL & ZECH, P.C.

Addendum to Attachment A

Wilbarger Wastewater Interceptor Scope of Services – Supplemental #2

Project Understanding

Kimley-Horn understands the project to be the Wilbarger Creek Wastewater Interceptor Project, which is approximately 13,000 linear foot (“LF”) of 54-inch diameter wastewater interceptor that will connect upstream of the Carmel Lift Station to Future Wilbarger Creek Regional Wastewater Treatment Facility (WC RWWTF). The following supplemental services are for the 60%, 90%, 100% Design, and Bid phase services.

Scope of Services – Basic Services

Task 1 – Design Management and Data Collection

Design Management

The Kimley Horn team will manage the design and work associated with the work described in subsequent sections and provide the following communication and reporting:

- a) Project Schedule and Work Plan – Kimley-Horn will develop the project schedule and work plan for executing the project scope of services.
- b) Coordination with the Program Manager– Assumes ongoing coordination efforts with the Program Manager and the Kimley-Horn team; in the form of answering questions, adhering to coordination standards, and providing documents as they are requested.
- c) Invoicing and Progress Reports – Assume this project task will have a duration of 22 Months and includes monthly invoicing, progress reports, and updated project schedule with notification of slip. This task includes design and bid phases.
- d) Up to twenty-two (22) progress meetings – This assumes a monthly meeting with the City of Pflugerville and Owners Representatives. Kimley-Horn will develop the agenda for reviewing the progress, project deliverable status, current schedule and potential schedule treats/risks, outstanding action items, budget status, outstanding decisions and decisions made. Meeting agenda will be uploaded to SharePoint and email with attachment to Project Team one week prior to progress meeting. Kimley-Horn will produce meeting minutes for each progress meetings.
- e) Team Meetings – Biweekly Project Team meetings including Kimley-Horn and Subconsultants. Assumes 44, 30-minute biweekly meetings.
- f) Land Acquisition Meetings – Biweekly meetings including Kimley-Horn and 7Arrow. Assumes 40, 30-minute biweekly meetings.
- g) Travis County Meeting – Assumes two (2) meeting with Travis County to discuss the project before and after the environmental review.
- h) Wilbarger Creek Regional Wastewater Treatment Facility Coordination – Kimley-Horn coordination includes four (4) coordination calls.
- i) Data Management – Kimley-Horn will upload meeting agenda to SharePoint and email with

attachment to Project Team one week prior to progress meeting. Kimley-Horn will record and upload each Progress meeting Teams video, excel sheet with action items and decision log to SharePoint. Kimley-Horn will update and upload the project schedule if required due to schedule slip one (1) day following progress meeting to SharePoint. Kimley-Horn will upload draft meeting minutes two (2) weeks following progress meeting and upload final progress meeting minutes and meeting presentation one (1) week following receipt of review comments to SharePoint. Kimley-Horn will upload each deliverables and milestone submittals to SharePoint.

- j) Data Collection, Research, and Electronic File Creation– Kimley-Horn will update electronic base files by downloading and converting different electronic files provided by the City of Pflugerville into useable files for this project. The City will be responsible for making the following data available in the vicinity of the projects for Kimley-Horn:
 - o Updated Floodplain Study of Wilbarger Creek and Tributaries that has modeled Atlas-14 rainfall intensities.
 - o Wilbarger Creek Regional Wastewater Treatment Facility (WC RWWTF) data from plant consultant, including flow information and criteria.
 - Downstream flow condition.
 - ADWF, PDWF, and PWWF at Critical operating conditions for short term (all flow goes to the RWWTF), intermediate term (splitting between Carmel LS and RWWTF), and long term when all flow will go to the interceptor and the gate will remain closed.
 - o Information regarding future lines coming into the manhole upstream of the diversion box that should be considered.

Task 2 –60% Design

The Kimley-Horn team will work towards the completion of 60% plans, specs, and estimates.

- a) Field Visit – Kimley-Horn will complete two (2) site visits to observe the field conditions accessible at the time.
- b) 60% Design Plans, Specifications, and Estimates – Kimley-Horn will prepare design plans, specifications, and estimates for the wastewater lines and document all the design changes. These plans will be prepared on 22”x34”. Plans will consist of:
 - i. Cover Sheet
 - ii. Project Notes and Sheet Index (1 Sheet)
 - iii. Project Control Sheet (2 Sheets)
 - iv. Erosion and Sedimentation Control Sheets (16 Sheets)
 - v. Erosion and Sedimentation Details (4 Sheets)
 - vi. Traffic Control Plan (2 Sheets)
 - vii. Traffic Control Details (2 Sheets)
 - viii. Diversion Structure Preliminary Plan – See Plummer Scope and Fee
 - ix. Project Access and Easement Plans (16 Sheets)
 - x. Wastewater Plan Sheets, plan and profile at 22”x34” at 1” =40’ (11”x17” at 1” =80’) (20 Sheets Total – 4 Plummer and 16 Kimley-Horn)

- xi. Wastewater Detail Sheets (4 sheets)
- xii. Specifications – Including Table of Content, all standard specifications, special provisions, special specifications.
- xiii. Opinion of Probable Construction Cost (OPCC) – Kimley-Horn will prepare an opinion of probable construction cost for the project with a 15% contingency. The Consultant has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided are based on the information known to Consultant at the time and represent only the Consultant judgment as a design professional familiar with the construction industry. The Consultant cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.
- xiv. QA/QC – Kimley-Horn shall perform a quality control check of the alignment study, calculations, modeling, and cost estimate prior to submittal to the City of Pflugerville.
- xv. Revisions from the QA/QC – Kimley-Horn and team shall address the comments from the QA/QC.
- xvi. Deliverable: Compilation of the Task 2 work products into the required deliverables to the City of Pflugerville, including compiling PDFs, uploading to owner's SharePoint and printing 3 hard copies of 11"x17" plans.

Task 3 –90% Design

- a) 90% Design Plans, Specifications, and Estimates – Kimley-Horn will prepare design plans, specifications, and document all the design changes. These plans will be prepared on 22"x34". Plans will consist of:
 - i. Cover Sheet
 - ii. Project Notes and Sheet Index (1 Sheet)
 - iii. Project Control Sheet (2 Sheets)
 - iv. Erosion and Sedimentation Control Sheets (16 Sheets)
 - v. Erosions and Sedimentation Details (4 Sheets)
 - vi. Traffic Control Plan (2 Sheets)
 - vii. Traffic Control Details (2 Sheets)
 - viii. Diversion Structure Preliminary Plan – See Plummer Scope and Fee
 - ix. Project Access and Easement Plans (16 Sheets)
 - xvii. Wastewater Plan Sheets, plan and profile at 22"x34" at 1" =40' (11"x17" at 1" =80') (20 Sheets Total – 4 Plummer and 16 Kimley-Horn)
 - x. Wastewater Detail Sheets (4 sheets)
 - xi. Specifications – Full specifications including all standard specifications, special provisions, special specifications, and City of Pflugerville Front End Docs, TWDB requirements.
 - xii. Opinion of Probable Construction Cost (OPCC) – Kimley-Horn will prepare an opinion of probable construction cost for the project with a 10% contingency. The Consultant has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions.

Opinions of probable costs provided are based on the information known to Consultant at the time and represent only the Consultant judgment as a design professional familiar with the construction industry. The Consultant cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

- xiii. QA/QC – Kimley-Horn shall perform a quality control check of the alignment study, calculations, modeling, and cost estimate prior to submittal to the City of Pflugerville.
- xiv. Revisions from the QA/QC – Kimley-Horn and team shall address the comments from the QA/QC.
- xv. Deliverable: Compilation of the Task 3 work products into the required deliverables to the City of Pflugerville, including compiling PDFs, uploading to owner’s SharePoint and printing 3 hard copies of 11”x17” plans.

Task 4 – 100% Design

- a) 100% Design Plans, Specifications, and Estimates – Kimley-Horn will prepare design plans, specifications, and estimates for the wastewater lines and document all the design changes. These plans will be prepared on 22”x34”. Plans will consist of:
 - i. Cover Sheet
 - ii. Project Notes and Sheet Index (1 Sheet)
 - iii. Project Control Sheet (2 Sheets)
 - iv. Erosion and Sedimentation Control Sheets (16 Sheets)
 - v. Erosions and Sedimentation Details (4 Sheets)
 - vi. Traffic Control Plan (2 Sheets)
 - vii. Traffic Control Details (2 Sheets)
 - viii. Diversion Structure Preliminary Plan – See Plummer Scope and Fee
 - ix. Project Access and Easement Plans (16 Sheets)
 - x. Wastewater Plan Sheets, plan and profile at 22”x34” at 1” =40’ (11”x17” at 1” =80’) (20 Sheets Total – 4 Plummer and 16 Kimley-Horn)
 - xi. Wastewater Detail Sheets (4 sheets)
 - xii. Specifications – Full specifications including all standard specifications, special provisions, special specifications, City of Pflugerville Front End Docs and Statement of Bidders Experience, TWDB requirements.
 - xiii. Opinion of Probable Construction Cost (OPCC) – Kimley-Horn will prepare an opinion of probable construction cost for the project with a 5% contingency. The Consultant has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided are based on the information known to Consultant at the time and represent only the Consultant judgment as a design professional familiar with the construction industry. The Consultant cannot and does

- not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.
- xiv. QA/QC – Kimley-Horn shall perform a quality control check of the alignment study, calculations, modeling, and cost estimate prior to submittal to the City of Pflugerville.
 - xv. Revisions from the QA/QC – Kimley-Horn and team shall address the comments from the QA/QC.
 - xvi. Deliverable: Compilation of the Task 4 work products into the required deliverables to the City of Pflugerville, including compiling PDFs, uploading to owner’s SharePoint and printing 3 hard copies of 11”x17” plans.

Task 5 – Permitting – Consultant will provide support for the Client to obtain agreements and/or permits normally required, as follows:

- a) Texas Commission on Environmental Quality (TCEQ)
 - a. The Consultant shall submit summary of transmittal letter to TCEQ for approval, and notify TCEQ upon TWDB approval to go to construction.
- b) Travis County
 - a. Submittal for Travis County Permit. The Consultant shall submit up to three (3) times for Travis County review and Comment. This task includes responding to comments from the Travis County reviews from each submittal.
- c) Texas Water Development Board (TWDB)
 - a. Submittal for TWDB Acceptance. The Consultant shall submit the permitting review set to the City/Owner’s Representative for their submittal to TWDB for acceptance. This task includes responding to comments from the TWDB reviews from each submittal.

Task 6 -Subconsultant Services – See the attached scope of service for the following sub-consultants.

- a) Macias and Associates – Additional Metes and Bounds in addition to the original contract, up to 4 additional easements were determined; Original scope of services included up to 14 boundary survey and metes and bounds. After the preliminary engineering phase, total of 15 metes and bounds were identified. 3 more metes and bounds were scoped for any potential alignment change. Metes and Bounds to be paid on a per easement basis. Field survey at 2 creek crossings; Manhole and top of wet well survey at around the lift station; Tree survey.
- b) JQ Engineering – Structural Engineering Design.
- c) The Rios Group – Subsurface Utility Engineering Services.
- d) Arias Geoprosessionals – Additional 320 vertical feet drilling footage and construction material testing.
- e) Plummer Associates – Pipe and diversion structure hydraulic modeling and design, and 4 sheets of plan and profile.

Task 7 – Land Acquisition Coordination – Hourly Task

- a) Coordination with landowners during easement negotiation phase. Time on this task is an estimate, level of effort could vary. This assumes one exhibit to be created per property owner for use in coordination. This also assumes 1 meeting per property owner. This assumes 10 separate property owners will be required to meet. This scope does not include eminent domain services. Once the negotiation has failed with the landowner, we will hand over the acquisition back to the City and City’s attorney to start with condemnation.

Task 8 – Bid Phase Services

It is anticipated that this project will contain one (1) set of Construction Documents. The Consultant will perform the following professional services for the bidding phase of the project:

- a) Notice to Bidders – The Consultant will prepare a notice to bidders and/or assist the Client with preparation.
- b) Pre-Bid Conference – The Consultant will develop draft agenda for distribution to the City in advance of meeting, facilitate pre-bid conference, and summarize meeting and questions for posting to CivCast.
- c) Respond to Contractor Questions – the Consultant will respond to contractor questions regarding clarifications to the plans.
- d) Addenda – The Consultant will answer contractor questions during the bid process. The Consultant will issue up to four (4) addenda as required.
- e) Bid Opening – The Consultant will attend the bid opening, review prepare a tabulation of bids, and assist with competitive sealed proposal bid evaluation scoring as needed.
- f) Recommendation for Award – The Consultant will prepare a letter with a recommendation for award.
- g) Final Conformed Contract Documents – The Consultant will print and issue a PDF set of plans and specifications for distribution to the Client.

Task Deliverables:

- a) Bid tabulation
- b) Recommendation for Award
- c) Conformed Documents

Additional Services & Assumptions

The Engineer's compensation is a not-to-exceed fee for services described in the Agreement. The Engineer will submit a written estimate of fees to the City and obtain the City's authorization before initiating any additional services. Services not specifically provided for in the above scope will be billed as additional services and performed at our then current hourly rates. Additional services we can provide include, but are not limited to, the following:

- This proposal assumes that 7 Arrow Land Consultants will be billed on an hourly basis.
- If additional landowner meetings or coordination is necessary and exceeds what is outlined in the basic services, then additional services can be provided to the City of Pflugerville.
- Basic services assume the City of Pflugerville will order the property appraisals with information provided by the project team: Kimley-Horn and 7 Arrow Land Consultants. If Kimley-Horn is to order the appraisals, then this would be additional services.
- Basic services for this scope assume up to 4 additional metes and bounds will be needed.

- Basic services in this scope does not include Eminent Domain services. If condemnation services are required, then additional services will be requested.
- Construction phase services are not included in this scope of services, at the request of the City, will be negotiated in the future.
- It is assumed that the City of Pflugerville will provide the most recent floodplain study for Wilbarger creek for us in design. If floodplain study is required, then this would be an additional service.
- Establish new survey monuments for any of the proposed sites is not included in basic services.
- Sampling, testing, or analysis beyond that specifically included in the Scope of Services referenced herein above.
- Assisting Client or Contractor in the defense or prosecution of litigation in connection with or in addition to those services contemplated by this Agreement. Such services, if any, will be furnished by the consultants on a fee basis negotiated by the respective parties outside of and in addition to this Agreement.
- Franchise Utility Design is not included in basic services.
- Appearing before regulatory agencies or courts as an expert witness in any litigation with third parties or condemnation proceedings arising from the development or construction of the Project, including the preparation of engineering data and reports for assistance to the OWNER.
- Any services not listed in the basic Scope of Services

Original Professional Service Agreement = \$858,059.35

Total Add Service #1 = \$36,694.35

Total Add Service #2 = \$1,130,833.20

Total under Supplement Agreement #2 = \$2,025,586.90

Key Deliverable Dates/Milestone

30% Design Submittal	- 5/31/21
60% Design Submittal	- 12/7/21
90% Design Submittal	- 3/16/22
100% Design Submittal	- 3/16/22
Permitting	- 9/15/22
Easement Acquisition	- 11/21/22
TWDB Funds Approval	- 2/13/23
Bid Phase Completion	- 5/2/23



MACIAS & ASSOCIATES, L.P.

LAND SURVEYORS
FIRM REGISTRATION NO 10114100

April 22, 2021

Kimley-Horn

2600 Via Fortuna, Bldg. 1, Suite 300
Austin, TX 78746

ATTN: Mr. Lance Parisher, P.E.

RE: City of Pflugerville – Wilbarger WWTP Interceptor (Survey Proposal)

Mr. Parisher,

On September 24, 2020 a proposal was sent to Kimley-Horn for professional surveying services in connection with the City of Pflugerville – Wilbarger WWTP Interceptor. This proposal addresses additional services not addressed in the previous proposal. As we understand the project Macias is to prepare 1 sketch and 1 legal description of a permanent wastewater easement and 1 temporary construction easements. The sketch for the permanent easement will show the temporary easement. The sketch for the temporary easement will not include a legal description.

The location and configuration for the easements are shown on an exhibit emailed to our office on April 14, 2021, which is made a part of this proposal.

SCOPE OF SERVICES EASEMENT, TREE AND MANHOLE DETAILS

1. Meet with you and your staff to review the scope, schedule and priorities for the project.
2. Macias will prepare additional permanent easements and temporary construction easement documents as needed.
3. No topographic mapping will be conducted with this proposal. Take 2 cross-sections at 2 creek crossings where the alignment crosses the existing 2 creeks.
4. Deliverables will be the easement drawings with legal descriptions. These drawings will be signed and sealed by a Registered Professional Land Surveyor. All digital file will not be guaranteed for any purpose. Our guarantee of accuracy will be based on the .pdf file submitted to you.
5. Provide field crew to locate approximately 5 manholes near the lift station. Manholes will be opened and detailed. We will attempt to identify the pipe material, size the pipes and take flowline elevations of each pipe in the manhole. Take elevations on the top of slab of the lift station wet well.

6. Locate trees in the areas that the proposed wastewater line alignment will cross the creek. Trees to be located are based on 8" trunk diameter and larger. A tree tag will be nailed on the tree with an identification number. A tree table will be prepared and placed on the drawing. Cedar trees will not be located unless it is a protected tree.

BASIS FOR COMPENSATION FOR EASEMENT

We propose to provide the above scope of services on a time and material basis based on the following estimates per easement as needed:

Easement

RPLS	4 Hrs.	@	\$200.00 per hour	=	\$ 800.00
Surveying Associate	4 Hrs.	@	\$140.00 per hour	=	\$ 560.00
CADD Technician	16 Hrs.	@	\$110.00 per hour	=	\$1,760.00
Field Crew	4 Hrs.	@	\$190.00 per hour	=	\$ 760.00
Administrative Assistant IV	2 Hrs.	@	\$ 98.00 per hour	=	<u>\$ 196.00</u>
					\$4,076.00

BASIS FOR COMPENSATION FOR TREE SURVEY AND MANHOLE DETAILS

RPLS	4 Hrs.	@	\$200.00 per hour	=	\$ 800.00
Surveying Associate	8 Hrs.	@	\$140.00 per hour	=	\$ 1,120.00
CADD Technician	40 Hrs.	@	\$110.00 per hour	=	\$ 4,400.00
Field Crew	50 Hrs.	@	\$190.00 per hour	=	<u>\$ 9,500.00</u>
					\$15,820.00

If additional services are required for this project, Macias will remain available to assist you with any surveying related activities utilizing the below rates:

RPLS	\$200.00 per hour
Surveying Associate	\$140.00 per hour
CADD Technician	\$110.00 per hour
Field Crew	\$190.00 per hour
Administrative Assistant IV	\$ 98.00 per hour

The Texas Board of Professional Engineers and Land Surveyors regulates all Registered Professional Land Surveyors in the State of Texas. They may be contacted at 1917 S. Interstate 35, Austin, TX 78741, 512.440.7723.

If this proposal is acceptable, please issue a notice to proceed by signing below and return to me at carmelo.macias@macsurv.com. Please call me if you have any questions or comments at 512-689-4746.

Sincerely,



Carmelo L. Macias, RPLS, VP

shaping the built environment



100 GLASS STREET, SUITE 201, DALLAS, TEXAS 75207

972.392.7340 PHONE

JQIENG.COM

04.20.2021

REV 1 05.05.2021

Trevor Renn, PE
 Kimley-Horn and Associates, Inc.
 10814 Jollyville Road Campus IV, Suite 200
 Austin, TX 78759

Re: Proposal – Scope of Structural Engineering Services and Compensation
 City of Pflugerville, Texas
 Wilbarger Wastewater Interceptor

Dear Trevor,

We are pleased to express our interest in providing structural engineering services for the referenced project and offer the following proposal for your consideration.

We understand the scope of the project to be the structural engineering for the following:

- Structural design of a conventionally reinforced concrete diversion structure. The structure is to have approximate plan dimensions of 15 feet by 10 feet with an approximate depth of 35 feet.
- Structural design of a conventionally reinforced concrete equipment pad to support SCADA control. It is assumed that the equipment pad will be grade supported.
- Structural design of a conventionally reinforced concrete manhole upper slab to sit atop an FRP riser.
- Structural design of a conventionally reinforced concrete junction structure. The structure is to have approximate plan dimensions of 10 feet by 10 feet with an approximate depth of 43 feet.
- Project deliverables include 60%, 90% and 100% construction document packages with opinion of probable construction costs provided with each submittal.
- Services will include Final Design, Bid and Construction Phase services. A Preliminary Design Report is not expected.

PHASE I – PRELIMINARY DESIGN PHASE

PRELIMINARY DESIGN PHASE is not included.

PHASE II – FINAL DESIGN PHASE

JQ will perform the following during the FINAL DESIGN PHASE:

Task II.A: General Management, Meetings, QA/QC and Administrative

JQ will perform duties necessary to coordinate and complete the work which includes:

- Attend thirty-six (36) internal coordination meetings.
- Perform QA/QC as required.
- Perform general management and administrative duties necessary to complete the work.
- Submit monthly invoicing.
- Deliverables:
 - 60%, 90% and 100% structural design drawings and specifications in electronic DWG or PDF format
 - 60%, 90% and 100% structural specifications in electronic DOC or PDF format
 - 60%, 90% and 100% OPCC in electronic format

Task II.B: 60% Design Documents

- Perform structural analysis for all scoped items.
- Provide detailed 60% structural design drawings for all scoped items.
- Provide detailed 60% structural specifications for all scoped items.
- Provide 60% OPCC for structural related costs.

Task II.C: 90% Design Documents

- Provide detailed 90% structural design drawings for all scoped items.
- Provide detailed 90% structural specifications for all scoped items.
- Provide 90% OPCC for structural related costs.

Task II.D: 100% Design Documents

- Provide detailed 100% structural design drawings for all scoped items.
- Provide detailed 100% structural specifications for all scoped items.
- Provide 100% OPCC for structural related costs.

PHASE III – BID PHASE

JQ will perform the following during the BID PHASE:

- Review and respond to Bidder inquiry and issue addenda as required.
- Assist PRIME in review of the bids as required.
- Issue conformed documents after successful award of the bid

PHASE IV – CONSTRUCTION ADMINISTRATION PHASE

CONSTRUCTION ADMINISTRATION PHASE is not included.

EXCLUSIONS

Services excluded from scope:

- Materials or geotechnical testing. Any lead and asbestos testing will be performed by others.
- Architectural, mechanical, site civil, surveying, piping, or electrical design or specification services.

- Meetings or site visits beyond the number defined in the scope above.
- Confined space entries of any kind. Special services are required to accommodate any required entries identified during the course of the assessment.
- Design of excavation protection or retention systems.
- Design and detailing of sitework including paving, sidewalks, retaining walls with less than four feet of retained earth, bollards, etc., unless specifically included above.
- Special inspections of responsibility for special inspections as the registered design professional in responsible charge (as defined by the International Building Code).

FEES, PAYMENT AND REIMBURSABLES

We propose to provide BASIC engineering services on a LUMP SUM basis as per the table below. Special services will be performed on a time and materials basis only where authorized.

BASIC SERVICES	
PHASE I – PRELIMINARY DESIGN AND EVALUATION	\$ 0
PHASE II – FINAL DESIGN PHASE	\$ 60,235
PHASE III – BID PHASE	\$ 1,755
PHASE IV – CONSTRUCTION PHASE	\$ 0
TOTAL STRUCTURAL DESIGN BASIC SERVICES	\$ 61,990

The fee development and authorized additional or special services are based on the following hourly rates.

Partner	\$275.00 / hour
Principal	\$235.00 / hour
Senior Project Manager	\$195.00 / hour
Engineering Technical Lead	\$205.00 / hour
Project Manager	\$165.00 / hour
Senior Project Engineer	\$150.00 / hour
Project Engineer	\$135.00 / hour
Senior Technician	\$130.00 / hour
Technician	\$100.00 / hour
Administrative	\$90.00 / hour
Senior Registered Professional Land Surveyor	\$180.00 / hour
Registered Professional Land Surveyor	\$150.00 / hour
Survey Crew (2 Man)	\$180.00 / hour
Survey Crew (1 Man)	\$135.00 / hour

Reimbursable expenses for authorized additional services will be invoiced at 1.10 times net cost to JQ.


Reimbursable expenses include:

- Travel expenses including mileage at \$0.50 per mile.
- Reproduction

Invoices for progress payments of the basic fee will be billed each month for services performed during the prior month on a time and material basis. The terms and conditions of the PRIME professional services agreement with the CITY shall apply.

We appreciate your consideration and look forward to working with you.

Sincerely,
JQ Infrastructure, LLC

A handwritten signature in black ink that reads "Chris Story". The signature is written in a cursive, flowing style.

Chris Story, PE
Partner

Enclosure:
Exhibit A – Structural Fee Backup

JQ Infrastructure, LLC																					
City of Pflugerville Wilbarger WW Interceptor																					
Structural Design Fee																					
Labor													Non-Labor Fee								
Hours													Non-Labor								
Rate: \$275 \$235 \$205 \$195 \$165 \$150 \$135 \$130 \$100 \$90													1.00 8.25%								
Partner Principal Engr Senior Project Senior Proj Sr Tech Tech Admin													Sub-Labor Non-Labor Total								
Task Description													Repro Trav Deliver Sub-Total Tax Total Total Fee								
PHASE I - PRELIMINARY DESIGN AND EVALUATION PHASE																					
No Scope Included													0 0 0 0 0 0 0 0 0 0 0								
Subtotal Phase I													0								
PHASE II - FINAL DESIGN PHASE																					
Task II.A: General Mgmt, Meetings, QA/QC, Admin																					
Attend Internal Coordination Meetings (36 by teleconference)													0 0 0 0 0 0 0 0 0 0 0								
Perform QA/QC													8 0 0 0 0 0 0 0 0 0 0								
General Management and Administration													2 4 0 0 0 0 0 0 0 0 0								
Subtotal Task II.A													0 10 0 22 0 0 0 0 0 0 4 36 0.0% 7,000 0 0 0 0 0 0 7,000								
Task II.B: 60% Design Documents																					
60% Design Drawings													0 0 0 0 0 0 0 0 0 0 0								
Notes and Typical Details													4 8 0 0 0 0 0 0 0 0 0								
Diversion Structure													32 32 0 0 0 0 0 0 0 0 0								
SCADA Pad													12 10 0 0 0 0 0 0 0 0 0								
Manhole Upper Slab													12 10 0 0 0 0 0 0 0 0 0								
Junction Structure													24 24 0 0 0 0 0 0 0 0 0								
60% Specifications													6 1,170 0 0 0 0 0 0 0 0 0								
60% OPCC													8 1,560 0 0 0 0 0 0 0 0 0								
Subtotal Task II.B													0 0 0 98 0 0 0 84 0 0 182 0.0% 30,030 0 0 0 0 0 0 30,030								
Task II.C: 90% Design Documents																					
90% Design Drawings													0 0 0 0 0 0 0 0 0 0 0								
Notes and Typical Details													2 4 0 0 0 0 0 0 0 0 0								
Diversion Structure													12 20 0 0 0 0 0 0 0 0 0								
SCADA Pad													8 10 0 0 0 0 0 0 0 0 0								
Manhole Upper Slab													8 10 0 0 0 0 0 0 0 0 0								
Junction Structure													10 16 0 0 0 0 0 0 0 0 0								
90% Specifications													4 780 0 0 0 0 0 0 0 0 0								
90% OPCC													8 1,560 0 0 0 0 0 0 0 0 0								
Subtotal Task II.C													0 0 0 52 0 0 0 60 0 0 112 0.0% 17,940 0 0 0 0 0 0 17,940								
Task II.D: 100% Design Documents																					
100% Design Drawings													0 0 0 0 0 0 0 0 0 0 0								
Notes and Typical Details													1 2 0 0 0 0 0 0 0 0 0								
Diversion Structure													6 4 0 0 0 0 0 0 0 0 0								
SCADA Pad													2 1 0 0 0 0 0 0 0 0 0								
Manhole Upper Slab													2 1 0 0 0 0 0 0 0 0 0								
Junction Structure													4 4 0 0 0 0 0 0 0 0 0								
100% Specifications													2 390 0 0 0 0 0 0 0 0 0								
100% OPCC													2 390 0 0 0 0 0 0 0 0 0								
Subtotal Task II.D													0 0 0 19 0 0 0 12 0 0 31 0.0% 5,265 0 0 0 0 0 0 5,265								

JQ Infrastructure, LLC																					
City of Pflugerville Wilbarger WW Interceptor																					
Structural Design Fee																					
Labor												Non-Labor Fee									
Hours												Non-Labor									
Rate:		\$275	\$235	\$205	\$195	\$165	\$150	\$135	\$130	\$100	\$90						1.00	8.25%			
Task Description		Partner	Principal	Engr	Senior	Project	Senior	Proj	Sr	Tech	Tech	Admin	Total	Infl	Labor	Repro	Trav	Deliver	Sub-	Non-	
				Technical	PM	Mgr	Proj	Engr					Hours	Fact	Fee				Total	Labor	Total
				Lead			Engr														Fee
Subtotal Phase II																					60,235
PHASE III - BID PHASE																					
Review and Respond to Bidder Inquiries and Issue Addenda					4					2			0		0				0		0
Issue Conformed Documents					1					4			6		1,040				0		0
													5		715				0		0
													0		0				0		0
Subtotal Phase III		0	0	0	5	0	0	0	6	0	0	11	0.0%	1,755	0	0	0	0	0	0	1,755
Subtotal Phase III																					1,755
PHASE IV - CONSTRUCTION PHASE																					
No Scope Included													0		0				0		0
													0		0				0		0
Subtotal Phase IV		0	0	0	0	0	0	0	0	0	0	0	0.0%	0	0	0	0	0	0	0	0
Subtotal Phase IV																					0
TOTAL BASIC SERVICES FEE																					\$ 61,990

April 15, 2021

Trevor Renn, P.E.
Kimley-Horn
10814 Jollyville
Camous IV, Suite 200
Austin, Texas 78759
737-263-2033
Trevor.Renn@kimley-horn.com

**RE: Subsurface Utility Engineering
Wilbarger Creek Wastewater Interceptor Test Holes**

Dear Mr. Renn:

The Rios Group, Inc. (TRG) is pleased to submit a cost proposal for Subsurface Utility Engineering (SUE) for the above referenced project. This proposal is based on information provided via email on April 13, 2021.

Introduction

TRG will perform SUE services for this project in general accordance with the recommended practices and procedures described in ASCE publication CI/ASCE 38-02 “Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data.” As described in the publication, four levels have been established to describe and depict the quality of subsurface utility information. The four quality levels are as follows:

- Quality Level D (QL“D”) – Information obtained from existing utility records.
- Quality Level C (QL“C”) – Surveyed data depicting visible above-ground features supplemented with QL“D” information.
- Quality Level B (QL“B”) – Two-dimensional horizontal information obtained through the application and interpretation of non-destructive surface geophysical methods. Also known as “designating,” this level incorporates QL“C” information and provides horizontal positioning of subsurface utilities to within approximately 1.0 foot.
- Quality Level A (QL“A”) – Three-dimensional horizontal and vertical information obtained through non-destructive vacuum excavation equipment to expose utilities at critical points. Also known as “locating,” this level incorporates QL“B” information and provides horizontal and vertical positioning of subsurface utilities to within approximately 0.05 feet.

Scope of Work

Based on information provided by Kimley-Horn (Client), TRG has developed a preliminary scope for the SUE work on this project. This scope of work may be modified, with the Client’s concurrence, during the performance of work if warranted by actual field findings.

The scope of this proposal includes six (6) QL“A” SUE test holes at locations identified by the client along the proposed alignment of the City of Pflugerville Wilbarger Creek Wastewater Interceptor. Four of the six test holes are identified in red on Exhibit B; the remaining two test holes will be

completed at the direction of the client as needed. To layout the test holes, TRG will attempt to designate the target utility 10-feet either side of the test hole location. No other utility investigation or designation is included in this scope of work.

The survey of SUE field markings is also included in this scope of work. It is assumed that the Client will provide the necessary survey control information.

Any necessary Right-Of-Entry (ROE) permits, including railroad ROE, will be provided by the Client prior to the start of field work.

TRG Procedures

QL "B" – Designating

To layout test holes, TRG will utilize a suite of geophysical equipment that includes magnetic and electromagnetic induction to designate conductive utilities. Where access is available, a sonde will be inserted into non-conductive utilities to provide a medium for transmission, which can then be designated using geophysical equipment. Non-conductive utilities can also be designated using other proven methods, such as rodding and probing.

QL "A" – Locating

TRG will utilize non-destructive vacuum excavation equipment to excavate test holes at the requested locations. Once each utility is located, TRG will record the size, type, material, and depth. Test holes will be uniquely marked. Excavations will be backfilled by mechanical means with the appropriate material, and the original surface will be restored. If necessary, TRG can core pavement up to a depth of 12 inches. Asphalt surfaces will be repaired with an asphalt cold patch, and concrete cores will be epoxied in place, flush with the surrounding surface. TRG assumes that flowable fill will not be required when backfilling test holes and that full-section pavement repair (including sidewalks) will not be required to restore the original pavement surface. If requested, these services can be provided at an additional cost.

TRG will establish any necessary routine traffic control measures at no additional cost. However, if non-routine traffic control measures (lane closures, traffic detours, flagpersons, etc.) are required, this service will be invoiced as a direct expense. Due to the risk of damage, TRG will not attempt to probe or excavate test holes on AC water lines unless approval is obtained from the owner in advance. Additionally, excavation in rock, or to a depth greater than 18 feet, is considered beyond the scope of this proposal.

TRG has made the following assumptions with regard to the test holes on this project:

- All test holes will be accessible to truck-mounted vacuum excavation equipment.
- Right-Of-Way (ROW) permits from the City of Pflugerville (COPf) will not be required. If COPf ROW permits are required, it is assumed they will be provided at no cost to TRG.
- Designed traffic control plans will be not required.
- Non-routine traffic control measures will not be required.
- The coring of pavement will not be required.

Deliverables

TRG will provide the following as a final deliverable to the Client:

- A utility file in CAD format depicting all located utilities. The Client will provide TRG with any necessary background files for use in completing the final deliverables.
- A summary sheet of all test hole coordinate data and depth information.
- 8.5" x 11" Test Hole Data Forms for all test hole locations completed. These plans will be signed and sealed by a Professional Engineer and delivered to the Client in electronic PDF form.

Schedule

TRG can mobilize within three (3) weeks of receiving Notice-To-Proceed (NTP). TRG will apply for the required ROW permits immediately following receipt of NTP. TRG estimates that the QL"A" SUE work can be completed in sixteen (16) working days following approval of the ROW permits, broken down as follows:

- Test hole layout – 1 day
- QL"A" field work – 3 days
- Survey and preparation of data – 5 days
- Deliverable preparation – 7 days

Estimated Fee

The total estimated cost to complete the work described herein is **Thirteen Thousand Five Hundred Fifty-One Dollars and 76/100 (\$13,551.76)**. An itemized breakdown of cost is provided in Exhibit A. Please note that these pricings are based on an assumption of quantities, and that only actual quantities will be invoiced – up to the total Contract amount.

We look forward to working with you on this project. If there are any questions, please do not hesitate to call at 512.580.5440.

Respectfully,

The Rios Group, Inc.



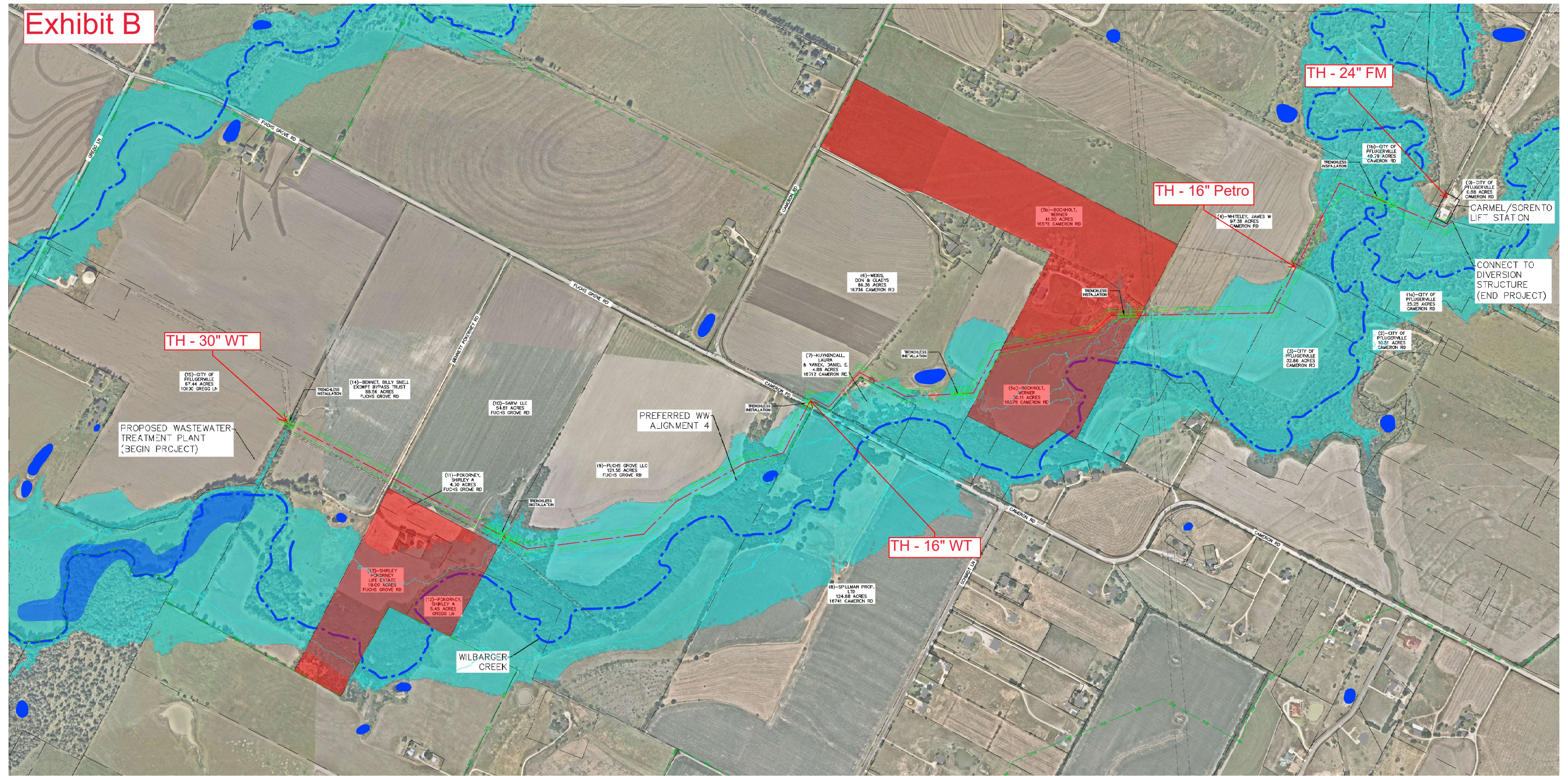
Robby Hub
Project Manager



**Estimate for Subsurface Utility Engineering
Wilbarger Creek Wastewater Interceptor
Test Holes**

Hourly Office Labor	<i>Rate</i>	<i>Assumed Quantity</i>	<i>Unit of Measure</i>	<i>Sub-Total</i>
Supervisory Engineer IV (15-20)	\$ 158.60	2	HR	\$ 317.20
Project Manager / Professional Engineer I (4-8)	\$ 137.27	4	HR	\$ 549.08
Assistant Project Manager / Engineer in Training I (0-5)	\$ 91.81	4	HR	\$ 367.24
Administrative / Records Researcher	\$ 83.96	2	HR	\$ 167.92
CADD Technician	\$ 79.22	6	HR	\$ 475.32
Sub-Total				\$ 1,876.76
Direct Expenses				
	<i>Rate</i>	<i>Assumed Quantity</i>	<i>Unit of Measure</i>	<i>Sub-Total</i>
Survey (RPLS)	\$ 2,500.00	1	DAY	\$ 2,500.00
Sub-Total				\$ 2,500.00
Test Hole Layout				
	<i>Rate</i>	<i>Assumed Quantity</i>	<i>Unit of Measure</i>	<i>Sub-Total</i>
One Designating Person with Truck and Equipment	\$ 145.00	10	HR	\$ 1,450.00
Sub-Total				\$ 1,450.00
QL"A" SUE Test Holes				
	<i>Rate</i>	<i>Assumed Quantity</i>	<i>Unit of Measure</i>	<i>Sub-Total</i>
0 - 5 feet	\$ 1,155.00	3	EA	\$ 3,465.00
5-8 feet	\$ 1,420.00	3	EA	\$ 4,260.00
8 - 13 feet	\$ 1,785.00	0	EA	\$ -
13-20 feet	\$ 2,310.00	0	EA	\$ -
Over 20 feet	\$ 2,875.00	0	EA	\$ -
Pavement Coring	\$ 350.00	0	EA	\$ -
Test Hole Total		6		
Sub-Total				\$ 7,725.00
Total Estimated Cost				\$ 13,551.76

Exhibit B



LEGEND



GRAPHIC SCALE IN FEET
0 125 250 500

	36" SS	EXISTING WASTEWATER		EXISTING STRUCTURE		RECOMMENDED ALIGNMENT		TEMPORARY EASEMENT
	24" FM	EXISTING FORCE MAIN		WILBARGER SEWERSHED		TRENCHLESS INSTALLATION		PERMANENT EASEMENT
	30" W	EXISTING WATER LINE		FEMA 100-YR FLOODPLAIN		ROE DENIED		
	OH	EXISTING OVERHEAD ELECTRIC		EXISTING WETLAND				
	16" PETRO	EXISTING PETROLEUM		WILBARGER CREEK CENTERLINE				
	AT&T	EXISTING UNDERGROUND CABLE		EXISTING UTILITY EASEMENT				

Kimley-Horn
INCORPORATED
4001 E. WILBARGER, SUITE 100, WILBARGER, TX 75162-1000
TEL: 972-382-2222
FAX: 972-382-2223
WWW.KIMLEY-HORN.COM

**WILBARGER CREEK
WASTEWATER INTERCEPTOR**

PFLUGERVILLE
TEXAS
where quality meets life

**RECOMMENDED ALIGNMENT
AND ROE**

DATE: MARCH 2021
DESIGN: SAG/AMU
DRAWN: SAG/AMU
CHECKED: SAG/AMU
INVA. NO.: 098278913
SHEET

May 4, 2021

Arias Geotechnical Job No. 2020-1062

VIA Email: lance.parisher@kimley-horn.com

Mr. Lance Parisher, P.E.
Kimley - Horn
2600 Via Fortuna, Bldg. 1, Suite 300
Austin, TX 78746

**RE: Proposal for Geotechnical Engineering Services – Additional
Wilbarger Creek Wastewater Interceptor
Pflugerville, TX**

Dear Mr. Parisher,

Thank you for choosing Arias & Associates, Inc. (Arias) to join your team to provide additional geotechnical engineering services for the above referenced project. Our understanding of the project is based on the updated information provided by you, including a map of the alignment and the requested field investigation. The following sections present our understanding of the project, proposed additional scope of services, fee compensation requirements, and updated schedule.

Project Information

The project will include the installation of approximately 13,000 linear feet of a new 54-inch diameter wastewater (WW) interceptor in Pflugerville, Texas. The alignment corridor will extend from an existing lift station (Carmel Lift Station) south to a new proposed Wilbarger Wastewater Treatment Plant. The open cut method will be used across the majority of the alignment, but there will be up to five trenchless locations where the interceptor will be installed using trenchless techniques. The anticipated depth of the planned WW Interceptor ranges approximately from 30 to 45 ft below the existing grade. If any the above information is not correct, we should be notified immediately in order to revise our proposal and the depth of the planned borings as necessary.

Additional Scope and Fee

Based on the updated alignment and cross-section profiles provided by the Client, we have adjusted boring locations and depths. We propose additional drilling footage of 320 feet, including one additional soil boring for the diversion structure located at north end of the updated alignment. The updated boring location map is included on the attached Exhibit A.

We propose that the fee to perform the above additional scope of services on a time and materials basis not to exceed (NTE) **\$35,448.00**. A Geotechnical Cost Breakdown for abovementioned

additional scope of service is presented on the attached Exhibit B. If approved, the updated total contract amount will be **\$114,414.00**.

Updated Schedule

Upon receiving written authorization and ROE, and weather and site conditions permitting, we can initiate our field investigation within 1 to 2 weeks. Drilling of the boreholes will take 8 to 9 days. Laboratory testing will take another 10 to 11 weeks. We anticipate submitting a draft report about 13 to 15 weeks following receipt of written authorization and ROE. We will keep you verbally informed of our findings as they become available.

Delays sometime occur due to adverse weather, utility clearance processing, site clearing requirements for drill rig access, obtaining Right of Entries and other factors outside of our control. In this event, we will communicate the nature of the delay with you and provide a revised schedule at the earliest possible date.

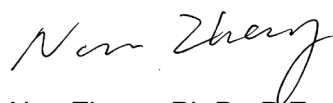
Proposal Acceptance

Should you have any questions, please do not hesitate to contact us. We will begin work upon receipt of a written authorization. Please attach this scope and fee proposal to your Standard Agreement for Professional Services between us.

Should you have any questions, please do not hesitate to contact us. The undersigned will manage and perform the work. Thank you for this opportunity.

Sincerely,

ARIAS & ASSOCIATES, INC.
TBPE Registration No: F-32



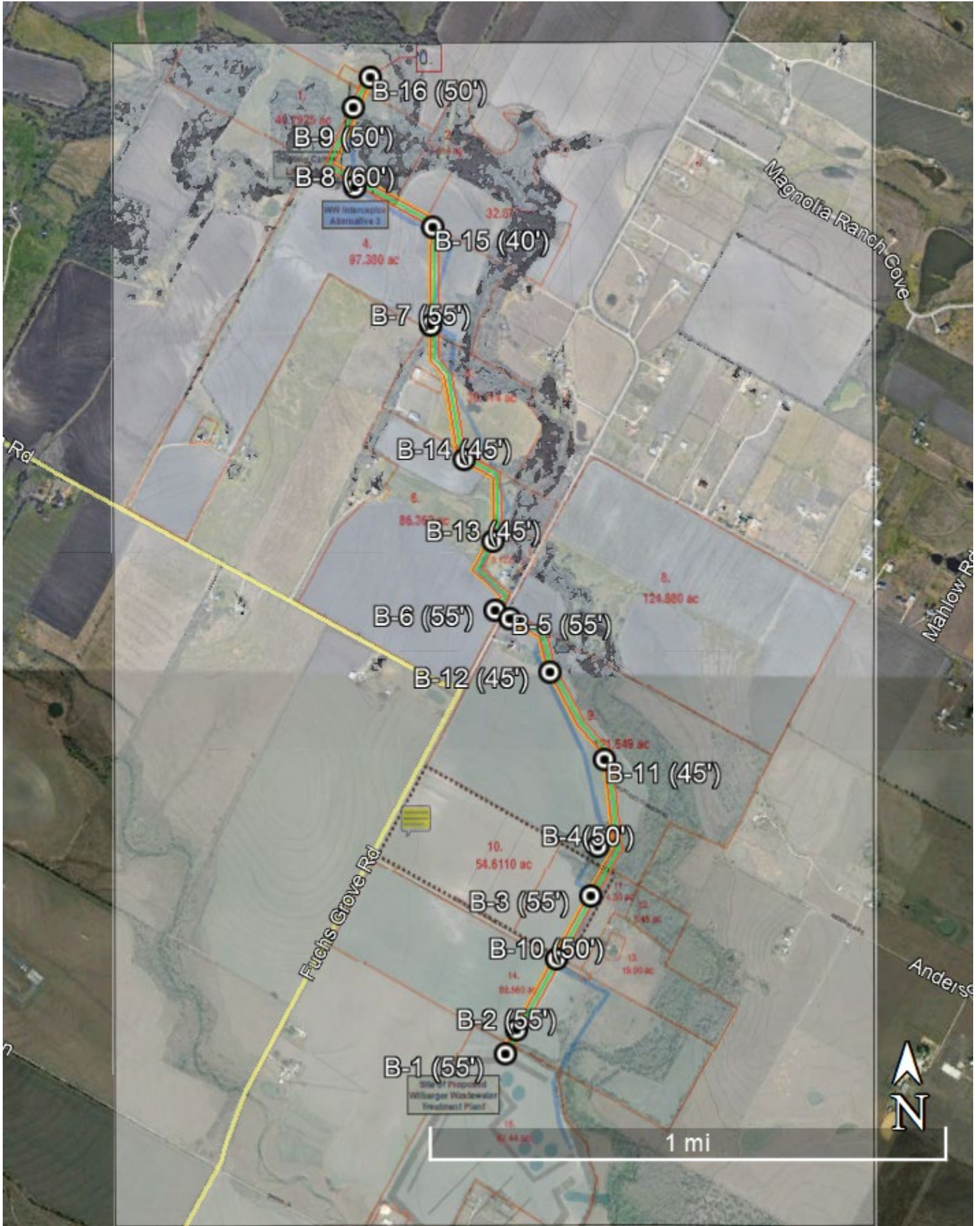
Nan Zhang, Ph.D., P.E.
Project Geotechnical Engineer



John S. Landwermeyer, P.E.
Managing Principal, Austin Operations

Attachments

- Exhibit A – Updated Boring Location Map
- Exhibit B – Geotechnical Cost Estimate – Additional



**Exhibit B - Geotechnical Cost Estimate - Additional
Wilbarger Creek Wastewater Interceptor
Pflugerville, Texas**

Task	Item Description	Est. Qty.	Unit	Unit Price	Est. Total Price
1 Field Exploration					
1.1 Planning and Coordination					
	Engineering Technician (Staking of Borings, One-Call, Drilling Plan)	8	hr	\$ 75.00	\$ 600.00
	Trip Charge	2	ea	\$ 36.00	\$ 72.00
	Geotechnical Project Manager (Management)	6	hr	\$ 115.00	\$ 690.00
	Principal Engineer	2	hr	\$ 195.00	\$ 390.00
				1.1 Subtotal	\$ 1,752.00
1.2 Drilling and Sampling					
	Mobilization (Truck drill rig)	2	ea	\$ 550.00	\$ 1,100.00
	Support Truck (Water truck)	3	ea	\$ 36.00	\$ 108.00
	Air Compressor	3	day	\$ 150.00	\$ 450.00
	Drill Rig Standby Time	6	hr	\$ 175.00	\$ 1,050.00
	Soil Drilling and Sampling - Up to 50 feet	320	ft	\$ 20.00	\$ 6,400.00
	Backfill holes	320	ft	\$ 5.00	\$ 1,600.00
	Drill Logger	36	hr	\$ 75.00	\$ 2,700.00
	Trip Charge (Arias - Logger)	3	ea	\$ 36.00	\$ 108.00
				1.2 Subtotal	\$ 13,516.00
				Field Exploration TOTAL:	\$ 15,268.00
2 Laboratory Soil Testing					
	Moisture Content (ASTM D2216)	50	ea	\$ 15.00	\$ 750.00
	Atterberg Limits (ASTM D4318)	26	ea	\$ 75.00	\$ 1,950.00
	Particle Gradation, Including No. 200 sieve (ASTM D422)	26	ea	\$ 75.00	\$ 1,950.00
	Unconfined Compressive Strength (rock or soil) (ASTM D7012 or D2166)	16	ea	\$ 65.00	\$ 1,040.00
	Controlled Pressure Swell (ASTM D4546)	6	ea	\$ 150.00	\$ 900.00
	Hydrometer Analysis (ASTM D7928)	4	ea	\$ 200.00	\$ 800.00
	Consolidated-Undrained (CU) Triaxial (ASTM D4767)	3	ea	\$ 1,100.00	\$ 3,300.00
	Soluble Sulfate (TEX 145-E)	2	ea	\$ 80.00	\$ 160.00
	Soluble Chloride (ASTM D512)	2	ea	\$ 70.00	\$ 140.00
	Soil pH (TEX-128-E)	2	ea	\$ 65.00	\$ 130.00
	Laboratory Resistivity (ASTM G57)	2	ea	\$ 85.00	\$ 170.00
	Lab Manager	6	hr	\$ 85.00	\$ 510.00
				Laboratory Testing TOTAL:	\$ 11,800.00
3 Engineering and Reporting					
3.1 Geotechnical Data Report (GDR)					
	Principal Engineer	2	hr	\$ 195.00	\$ 390.00
	Geotechnical Project Manager	12	hr	\$ 115.00	\$ 1,380.00
	Engineer in Training	30	hr	\$ 95.00	\$ 2,850.00
	Data Processing	1	hr	\$ 65.00	\$ 65.00
				3.1 Subtotal	\$ 4,685.00
3.2 Geotechnical Data Memorandum (GDM)					
	Principal Engineer	2	hr	\$ 195.00	\$ 390.00
	Geotechnical Project Manager	10	hr	\$ 115.00	\$ 1,150.00
	Engineer in Training	22	hr	\$ 95.00	\$ 2,090.00
	Data Processing	1	hr	\$ 65.00	\$ 65.00
				3.2 Subtotal	\$ 3,695.00
				Engineering TOTAL:	\$ 8,380.00
Project Total					\$ 35,448.00

Exhibit A

Scope of Services

Background

The City of Pflugerville (CITY) is in the process of developing a second wastewater treatment plant to manage wastewater generated in the Wilbarger Basin. As part of the project, a new wastewater interceptor must be constructed to convey flows to the new treatment plant. The CITY has retained Kimley Horn (KH) to complete the engineering for the new wastewater interceptor. KH has retained PLUMMER Associates, Inc. (PLUMMER) to assist with this effort. The first two phases of the project, a Preliminary Engineering Phase and a 30% Design Phase have been completed. The CITY and KH are ready to move forward with the Design and Bidding Phases of the project and desire to continue to have PLUMMER assist with this effort.

Basic Services

Design Phase

Task D1 – Project Management/Meetings

PLUMMER will provide Project Management for its portion of the project, including Quality Control and Quality Assurance for PLUMMER's services. PLUMMER will attend weekly meetings with KH to coordinate and provide updates. These meetings will be virtual. It is anticipated that twelve such meetings will occur during this phase. PLUMMER will provide monthly invoicing for the project.

Task D2 – Plan & Profile Sheets

PLUMMER will develop Plan and Profile sheets for approximately 2,500 linear feet of interceptor at a full size scale of 1"=40'. PLUMMER will coordinate with KH for standard details needed for the portion of the project designed by PLUMMER. Draft sheets will be submitted to KH for review at the 60, 90, and 100% complete stages. Additional plan and profile sheets will be included for the design of the pipelines required to connect the existing interceptors to the new diversion box.

Task D3 – Flow Diversion Design

PLUMMER will develop Plan, Section, and Detail sheets for the flow diversion structure. The sheets will include both Civil and Mechanical details for the improvements associated with the flow diversion and the realignment of existing pipes within the lift station site needed to allow the flow diversion to function as intended. Structural design for the diversion structure will be provided by others. Draft sheets will be submitted to KH for review at the 60, 90, and 100% complete stages.

Task D4 – Electrical, Instrumentation and Control for Diversion Structure

PLUMMER will develop the electrical, instrumentation, and control design for the diversion structure so that the gates can be operated remotely. PLUMMER will coordinate the design for improvements with the CITY and its SCADA system. Draft sheets will be submitted to KH for review at the 60, 90, and 100% complete stages.

PLUMMER will work with the Wilbarger Creek Regional Wastewater Treatment Facility (RWWTF) design consultant and the Owner's Team to evaluate and identify control strategies for the diversion structure. The design will accommodate the identified control strategies for operating the gates relative to managing flow to the Wilbarger RWWTF and into the Carmel Lift Station.

Task D5 – Technical Specifications

PLUMMER will develop Technical Specifications for items unique to the Diversion Structure Design. PLUMMER will coordinate the design of other improvements with technical specifications prepared by KH and will request modifications as appropriate to address PLUMMER's portion of the design. Draft specifications will be submitted to KH for review at the 90 and 100% complete stages.

Task D6 – SewerCad Modeling

PLUMMER will update the previous hydraulic model of the interceptor based on the final design alignment and profile provided by KH. PLUMMER will also work with the City Team to identify and consider alternative flow scenarios and will complete hydraulic analysis of those scenarios for the Wilbarger Interceptor and the Diversion Structure. Alternative flow scenarios to be evaluated will not exceed five (5).

Task D7 – Opinion of Probable Construction Cost

PLUMMER will update the opinion of probable construction cost for the facilities included in our scope at the 60, 90, and 100 percent stages.

Task D8 – Quality Control

PLUMMER will conduct an independent Quality Control review of the design and technical specifications prepared by KH and others at the 60, 90, and 100 percent stages.

Bidding Phase***Task B1 – Prebid Meeting***

PLUMMER will attend the Prebid meeting for the project and be prepared to answer questions concerning the portion of the project designed by PLUMMER.

Task B2 – Respond to Questions

PLUMMER will prepare written responses to questions concerning the intent of the construction drawings and specifications for the portion of the project designed by PLUMMER.

Task B3 – Prepare Addenda

PLUMMER will prepare material to be incorporated into an addenda prepared by KH as necessary to further refine the bidding documents concerning the portion of the project designed by PLUMMER. It is anticipated that no more than one addenda will be required.

Task B-4 – Prepare Conformed Documents

PLUMMER will prepare conformed documents incorporating bidding phase changes into the drawings and specifications where PLUMMER is the primary design professional. These documents will be submitted to KH for incorporation into the complete set of Conformed Documents.

Additional Services

The following services are services that are not included in the Basic Services but may be services that the CITY and KH could choose to authorize. A budget and schedule for these services would be developed and agreed upon at the time of the request.

- A. Meetings or presentations beyond those described in Basic Services.
- B. Services resulting from significant changes in the scope, extent, or character of the portions of the Project.
- C. Services resulting from CITY's request to evaluate additional Study and Report Phase alternative solutions beyond those previously identified.
- D. Preparation of applications and supporting documents (in addition to those furnished under Basic Services) for private or governmental grants, loans, or advances in connection with the Project.
- E. Preparing preliminary engineering documents or studies to support design of improvements beyond those described in Basic Services.
- F. Preparing to serve or serving as a consultant or witness for the CITY in any litigation, arbitration, or other dispute resolution process related to the Project.
- G. Construction phase services.

**Pflugerville Wilbarger Interceptor
Kimley-Horn
Design, Bidding, and Construction**

Level 2 (Phase) No. and Description <i>Level 3 (Task) No. and Description</i>	Principal (hrs)	Proj Mgr (hrs)	Sr. Elec. Engr (hrs)	Proj Engr (hrs)	EIT (hrs)	Technician (hrs)	Clerical (hrs)	QC (hrs)	Total Labor		Percent of Total Fee
									Hours	Fee (\$\$\$)	
Design, Bidding, and Construction	168	178	183	192	281	226	70	165	662	\$ 104,305.00	
Labor Rates per Hour	305	200	280	160	125	120	120	290			
D1 Project Management/Meetings	3	24	0	0	12	0	6	4	49	\$ 9,095	8.7%
1 Progress Meetings (12)	2	12			12				26	\$ 4,510	4.3%
2 Project Management	1	12					6		19	\$ 3,425	3.3%
3 Internal Quality Control								4	4	\$ 1,160	1.1%
D2 Plan & Profile	4	12	0	32	60	60	0	0	168	\$ 23,440	22.5%
1 Plan & Profile (2500 feet of interceptor)	2	8		24	40	40			114	\$ 15,850	15.2%
2 Plan & Profile (Other diversion pipelines)	2	4		8	20	20			54	\$ 7,590	7.3%
D3 Flow Diversion Design	4	12	0	30	40	60	0	0	146	\$ 20,620	19.8%
1 Flow Diversion	4	12		30	40	60			146	\$ 20,620	19.8%
D4 E&IC	1	6	32	0	32	32	0	0	103	\$ 18,305	17.5%
1 E&IC	1	6	32		32	32			103	\$ 18,305	17.5%
D5 Technical Specifications	1	2	6	8	16	0	4	0	37	\$ 6,145	5.9%
1 Technical Specifications	1	2	6	8	16		4		37	\$ 6,145	5.9%
D6 Update SewerCad	0	8	0	24	32	0	0	0	64	\$ 9,440	9.1%
1 Update Model		8		24	32				64	\$ 9,440	9.1%
D7 Opinion of Probable Construction Cost	2	4	0	8	12	0	0	0	26	\$ 4,190	4.0%
1 OPCC	2	4		8	12				26	\$ 4,190	4.0%
D8 Quality Control	0	0	0	0	0	0	0	16	16	\$ 4,640	4.4%
1 QC								16	16	\$ 4,640	4.4%
B1 Prebid Meeting	0	2	0	0	0	0	0	0	2	\$ 400	0.4%
1 Prebid Meeting		2							2	\$ 400	0.4%
B2 Respond to Questions	0	2	2	4	4	0	0	0	12	\$ 2,100	2.0%
1 Respond to Bidders		2	2	4	4				12	\$ 2,100	2.0%
B3 Prepare Addenda	0	2	2	4	6	8	0	0	22	\$ 3,310	3.2%
1 One Addenda		2	2	4	6	8			22	\$ 3,310	3.2%
B4 Prepare Conformed Documents	0	4	1	2	4	6	0	0	17	\$ 2,620	2.5%
1 Conformed Documents		4	1	2	4	6			17	\$ 2,620	2.5%
TOTAL LABOR											
Total Labor Hours	15	78	43	112	218	166	10	20	662		
Total Labor Amount										\$ 104,305	100.0%
Labor Rates per Hour	\$305	\$200	\$280	\$160	\$125	\$120	\$120	\$290			
Total Amounts by Labor Category	\$ 4,575	\$ 15,600	\$ 12,040	\$ 17,920	\$ 27,250	\$ 19,920	\$ 1,200	\$ 5,800		\$ 104,305	
Labor Category Percent of Total Labor	4.4%	15.0%	11.5%	17.2%	26.1%	19.1%	1.2%	5.6%			100.0%
TOTAL EXPENSES (see breakdown below)											
Total Subconsultants										\$ -	
Total Reimbursables										\$ 3,660	
Total Expenses										\$ 3,660	
GRAND TOTAL - Design, Bidding, and Construction										\$ 107,965	

SUBCONSULTANT EXPENSES

Code	Description	Budget (\$)	Markup	Fee (\$\$)
CA	Architect Consultant	\$ -	1.05	\$ -
CC	Civil Engr Consultant	\$ -	1.05	\$ -
CE	Electrical Consultant	\$ -	1.05	\$ -
CG	Geotechnical Consultant	\$ -	1.05	\$ -
CM	Mechanical Consultant	\$ -	1.05	\$ -
CO	Value Engineering	\$ -	1.05	\$ -
CS	Structural Consultant	\$ -	1.05	\$ -
CY	Surveying Consultant	\$ -	1.05	\$ -
C1		\$ -	1.05	\$ -
C2		\$ -	1.05	\$ -
C3		\$ -	1.05	\$ -
C4		\$ -	1.05	\$ -
C5		\$ -	1.05	\$ -
C6		\$ -	1.05	\$ -
TOTAL SUBCONSULTANT EXPENSES		\$ -		\$ -

REIMBURSABLE EXPENSES

Code	Description	Budget (\$)	Markup	Fee (\$\$)
RA	Laboratory Analysis	\$ -	1.00	\$ -
RC	Computer	\$ -	1.00	\$ -
RH	Historical	\$ -	1.00	\$ -
RI	In-House Reproduction	\$ 100	1.00	\$ 100
RL	Long Distance Telephone	\$ -	1.00	\$ -
RM	Employee Mileage	\$ 250	1.00	\$ 250
RO	Other Expenses	\$ -	1.00	\$ -
RP	Purchased Services	\$ -	1.00	\$ -
RR	Reproduction	\$ -	1.00	\$ -
RS	Shipping, Delivery, Postage	\$ -	1.00	\$ -
RT	Travel, Meals, Lodging	\$ -	1.00	\$ -
RU	Technology Fee	\$ 3,310	1.00	\$ 3,310
R1		\$ -	1.00	\$ -
R2		\$ -	1.00	\$ -
TOTAL REIMBURSABLE EXPENSES		\$ 3,660		\$ 3,660

Addendum to ATTACHMENT B

Project Name: Wilbarger Creek Wastewater Interceptor
Prepared By: Kimley-Horn and Associates, Inc.

Task # Subtask Number	Task Name Subtask Name/Description	Assumptions/Notes	Direct Labor (Person-Hours)							Sub Consultants (\$)	Misc. Direct Expense (\$)	
			Senior Prof II	Senior Prof I	Prof IV	EIT	Analyst	Project Controller	Admin			Labor Total (hours)
			\$255.00	240.00	175.00	155.00	125.00	105.00	\$105.00			
1	Design Management and Data Collection											
a	Project Schedule and Work Plan		4	24	24						52	
b	Coordination with Program Manager	Assumes 22 Months	20	40	40						100	
c	Invoicing, Progress Reports, and Schedule update	Assumes 22 Months		11	22				72	8	113	
d	Progress Meetings with City of Pflugerville	Assumes 22 Meetings	8	22	22	44				72	168	
e	Project Team Meetings	Assumes 44		22	22	44					88	
f	Land Acquisitions Meetings	Assumes 40		20	20						40	
g	Travis County Meeting	Assumes 2	2	8	12	12					34	
h	Wilbarger Creek Wastewater Treatment Plant Coordination	Assumes 4	4	16	24	24					68	
i	Data Management	Assume 22 Months			8	44	110				162	
j	Data Collection			8	16	24	16				64	
	Task Total (Hours)		38	171	210	192	126	72	80		889	
	Task Total (Dollars)		\$9,690	\$41,040	\$36,750	\$29,760	\$15,750	\$7,560	\$8,400		\$148,950	\$0
2	60% Design											
a	Field Visit	2 field visits		8	8	8	8				32	
b	60% Plans										0	
i	Prepare Cover Sheet	1 Sheet	1	2	2	4	4				13	
ii	Prepare Project Notes and Sheet Index	1 Sheet		2	4	4	4				14	
iii	Project Control Sheet	2 Sheets		2	4	4	4				14	
iv	Erosion and Sedimentation and Tree Removal Sheets	16 Sheets	2	16	32	48	96				194	
v	Erosion and Sedimentation Details	4 Sheets		4	4	8	8				24	
vi	Traffic Control Plan	2 Sheets	1	4	16	24	24				69	
vii	Traffic Control Details	2 sheets		2	8	8	8				26	
viii	Lift Station Diversion	Plummer		8	8	8	4				28	
ix	Prepare Project Access and Easement Plan	4 sheets	8	16	16	32	32				104	
x	Prepare Plan-Profile Sheets	16 Sheets	4	48	128	256	128				564	
xi	Detail Sheets	4 Sheets + JQ for Structural	2	16	32	32	32				114	
xii	Specifications		2	16	40	40			40		138	
xiii	OPCC		2	16	32	40	20				110	
xiv	QA/QC		40								40	
xv	Revisions per QA/QC			16	40	40	40				136	
xvi	Deliverables			8	16	16	16				56	
	Task Total (Hours)		62	184	390	572	428	0	40		1676	
	Task Total (Dollars)		\$15,810	\$44,160	\$68,250	\$88,660	\$53,500	\$0	\$4,200		\$274,580	\$0
3	90% Design											
a	90% Plans										0	
i	Prepare Cover Sheet	1 Sheet	1	1	1	2	2				7	
ii	Prepare Project Notes and Sheet Index	1 Sheet		1	2	2	1				6	
iii	Project Control Sheet	2 Sheets		1	2	2	2				7	
iv	Erosion and Sedimentation and Tree Removal Sheets	16 Sheets	1	8	16	24	48				97	
v	Erosion and Sedimentation Details	4 Sheets		2	2		8				12	
vi	Traffic Control Plan	2 Sheets	1	2	12	12	12				39	
vii	Traffic Control Details	2 sheets		2	4	4	4				14	
viii	Lift Station Diversion	Plummer		4	8	8	4				24	
ix	Prepare Project Access and Easement Plan	4 sheets	4	8	8	24	24				68	
x	Prepare Plan-Profile Sheets	16 Sheets	4	24	64	128	64				284	
xi	Detail Sheets	4 Sheets + JQ for Structural	2	16	32	32	32				114	
xii	Specifications		2	24	24	40			40		130	
xiii	OPCC		2	8	32	40	20				102	
xiv	QA/QC		40								40	
xv	Revisions per QA/QC			16	24	40	40				120	
xvi	Deliverables			8	16	16	16				56	
	Task Total (Hours)		57	125	247	374	277	0	40		1120	
	Task Total (Dollars)		\$14,535	\$30,000	\$43,225	\$57,970	\$34,625	\$0	\$4,200		\$184,555	\$0

Project Name: Wilbarger Creek Wastewater Interceptor
Prepared By: Kimley-Horn and Associates, Inc.

Task # Subtask Number	Task Name Subtask Name/Description	Assumptions/Notes	Direct Labor (Person-Hours)							Labor Total (hours)	Sub Consultants (\$)	Misc. Direct Expense (\$)
			Senior Prof II	Senior Prof I	Prof IV	EIT	Analyst	Project Controller	Admin			
			\$255.00	240.00	175.00	155.00	125.00	105.00	\$105.00			
4	100% Design											
a	100% Plans									0		
i	Prepare Cover Sheet	1 Sheet		1	1	1	2			5		
ii	Prepare Project Notes and Sheet Index	1 Sheet		1	1	1	1			4		
iii	Project Control Sheet	2 Sheets			1	1	2			4		
iv	Erosion and Sedimentation and Tree Removal Sheets	16 Sheets	1	4	8	24	24			61		
v	Erosion and Sedimentation Details	4 Sheets		2	2		4			8		
vi	Traffic Control Plan	2 Sheets	1	2	8	8	8			27		
vii	Traffic Control Details	2 sheets		1	2	2	2			7		
viii	Lift Station Diversion	Plummer		2	4	4	2			12		
ix	Prepare Project Access and Easement Plan	4 sheets	2	4	4		8			18		
x	Prepare Plan-Profile Sheets	16 Sheets	4	12	32	56	28			132		
xi	Detail Sheets	4 Sheets + JQ for Structural	1	8	16	16	8			49		
xii	Specifications		1	12	24	24	24		40	125		
xiii	OPCC		1	8	16	24	24			73		
xiv	QA/QC		24							24		
xv	Revisions per QA/QC			16	24	32	24			96		
xvi	Deliverables			8	16	16	16			56		
	Task Total (Hours)		35	81	159	209	177	0	40	701		
	Task Total (Dollars)		\$8,925	\$19,440	\$27,825	\$32,395	\$22,125	\$0	\$4,200	\$114,910		\$0
5	Permitting											
a	TCEQ			4	8	16				28		
b	Travis County		4	24	80	80				188		
c	Texas Water Development Board			8	16	24				48		
	Task Total (Hours)		4	36	104	120	0	0	0	264		
	Task Total (Dollars)		\$1,020	\$8,640	\$18,200	\$18,600	\$0	\$0	\$0	\$46,460		\$0
6	Subconsultants - Design Phase											
a	Macias and Associates											
i.	Ground and Tree Survey	With 5% Markup		4	8	8	8				\$16,611.00	
ii.	Additional Metes and Bounds	With 5% Markup - Based on Per Easement Fee, up to 4 additional easements		4	8						\$17,119.20	
b	JQ Engineering	With 5% Markup		8	16	16	16				\$65,089.50	
c	Rios Group SUE	With 5% Markup		4	8	8					\$14,229.35	
d	Arias Geotechnical - Additional Support	With 5% Markup		4	8	8					\$37,220.40	
e	Plummer & Associates	With 5% Markup		4	16	16					\$113,268.75	
	Task Total (Hours)		0	28	64	56	24	0	0	0		
	Task Total (Dollars)		\$0	\$6,720	\$11,200	\$8,680	\$3,000	\$0	\$0	\$29,600	\$263,538.20	\$0
7	Land Acquisition Coordination - Hourly											
a	Coordination with Landowners - 10 Property Owners		20	40	40	80				180		
	Task Total (Hours)		20	40	40	80	0	0	0	180		
	Task Total (Dollars)		\$5,100	\$9,600	\$7,000	\$12,400	\$0	\$0	\$0	\$34,100		\$0

Project Name: Wilbarger Creek Wastewater Interceptor
Prepared By: Kimley-Horn and Associates, Inc.

Task # Subtask Number	Task Name Subtask Name/Description	Assumptions/Notes	Direct Labor (Person-Hours)							Labor Total (hours)	Sub Consultants (\$)	Misc. Direct Expense (\$)
			Senior Prof II	Senior Prof I	Prof IV	EIT	Analyst	Project Controller	Admin			
			\$255.00	240.00	175.00	155.00	125.00	105.00	\$105.00			
8	Bid Phase Services											
a	Notice to Bidders			2	4	4				10		
b	Pre-Bid Conference and supporting services		2	8	16	16				42		
c	Respond to Contractor Questions			8	16	16				40		
d	Addenda	4		8	16	16	8			48		
e	Bid Opening	16 Sheets		4	4					8		
f	Recommendation for Award	4 Sheets		2	4					6		
g	Final Conformed Contract Documents	2 Sheets		2	2	16			16	36		
		Task Total (Hours)		2	34	62	68	8	0	16	190	
		Task Total (Dollars)		\$510	\$8,160	\$10,850	\$10,540	\$1,000	\$0	\$1,680	\$32,740	\$0
	Reimbursable Expenses											
	Plotting and Reproduction - Assumes 5 24x36 plots	Exhibits										\$150
	Mileage	10 Landowner Meetings, 2 County, 2 TWDB, 24 Design, , 1 Pre-Bid, 1 Pre-Con, 1 Substantial, 1 Final Completion - 40 miles round trip										\$750
	Overnight Mail - \$50/delivery	10 Deliveries										\$500
		Task Total (Dollars)										\$1,400
		KIMLEY-HORN TOTAL (Hours)		218	699	1276	1671	1040	72	216	4830	
		KIMLEY-HORN TOTAL (Dollars)		\$55,590	\$167,760	\$223,300	\$259,005	\$130,000	\$7,560	\$22,680	\$865,895	
		SUBCONSULTANT (Task 6)									\$263,538.20	
		Miscellaneous Direct Expenses									\$1,400.00	
		GRAND TOTAL									\$1,130,833.20	

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Qtr 4, 2020			Qtr 1, 2021			Qtr 2, 2021			Qtr 3, 2021			Qtr 4, 2021			Qtr 1, 2022			Qtr 2, 2022			Qtr 3, 2022			Qtr 4, 2022			Qtr 1, 2023			Qtr 2, 2023			Qtr 3, 2023			Qtr 4, 2023			Qtr 1, 2024			Qtr 2, 2024			Qtr 3, 2024		
								Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1		Wilbarger Interceptor	937 days	Tue 11/10/20	Wed 6/12/24			[Gantt bar for Task 1]																																															
2		Analysis, Routing, and Conceptual Design	85 days	Tue 11/10/20	Mon 3/8/21			[Gantt bar for Task 2]																																															
3		NTP	1 day	Tue 11/10/20	Tue 11/10/20			[Gantt bar for Task 3]																																															
4		Right of Entry	82 edays	Tue 11/10/20	Sun 1/31/21	3		[Gantt bar for Task 4]																																															
5		Data Collection	0.5 mons	Wed 11/11/20	Tue 11/24/20	3		[Gantt bar for Task 5]																																															
6		Alternative Alignments	1 mon	Wed 11/11/20	Tue 12/8/20	3		[Gantt bar for Task 6]																																															
7		Profiles	1 wk	Wed 12/2/20	Tue 12/8/20	6FF		[Gantt bar for Task 7]																																															
8		Landowner Meetings/Coordination	25 days	Mon 12/14/20	Fri 1/15/21	6,4FF-2 wks		[Gantt bar for Task 8]																																															
9		Wastewater Interceptor Sizing - From Master Plan	1 mon	Wed 12/9/20	Tue 1/5/21	6		[Gantt bar for Task 9]																																															
10		Environmental Desktop	1 mon	Wed 12/9/20	Tue 1/5/21	6		[Gantt bar for Task 10]																																															
11		Level D SUE	1.75 mons	Wed 11/11/20	Tue 12/29/20	3		[Gantt bar for Task 11]																																															
12		Revisions from Landowner Meetings	5 days	Mon 1/18/21	Fri 1/22/21	8		[Gantt bar for Task 12]																																															
13		Tech Memo	1.5 mons	Mon 12/14/20	Fri 1/22/21	12FF		[Gantt bar for Task 13]																																															
14		Internal QA/QC	3 days	Mon 1/25/21	Wed 1/27/21	13		[Gantt bar for Task 14]																																															
15		Revised QA/QC	4 days	Thu 1/28/21	Tue 2/2/21	14		[Gantt bar for Task 15]																																															
16		Milestone Submittal	0 days	Tue 2/2/21	Tue 2/2/21	15		[Gantt bar for Task 16]																																															
17		Review Meeting with Pflugerville	3 wks	Wed 2/3/21	Tue 2/23/21	16		[Gantt bar for Task 17]																																															
18		City of Pflugerville Review	3 wks	Wed 2/3/21	Tue 2/23/21	16		[Gantt bar for Task 18]																																															
19		Float if needed	9 days	Wed 2/24/21	Mon 3/8/21	18		[Gantt bar for Task 19]																																															
20		30% Design and EFR	471 days	Mon 2/1/21	Mon 11/21/22			[Gantt bar for Task 20]																																															
21		Revision to Conceptual Design Comments	1 wk	Tue 3/9/21	Mon 3/15/21	19		[Gantt bar for Task 21]																																															
22		Survey Boundary	2 mons	Mon 2/1/21	Fri 3/26/21	4		[Gantt bar for Task 22]																																															
23		Geotech Field and Lab	2.5 mons	Tue 6/8/21	Mon 8/16/21	21FS+3 mons		[Gantt bar for Task 23]																																															
24		Environmental Coordination and Acceptance	202 days	Tue 3/16/21	Wed 12/22/21	21		[Gantt bar for Task 24]																																															
25		Environmental Field Work, Report, and Agency Coordination	6 mons	Tue 3/16/21	Mon 8/30/21	21		[Gantt bar for Task 25]																																															
26		TWDB: EID Drafting	1.5 mons	Thu 4/15/21	Wed 5/26/21	25SS+1.1 mons		[Gantt bar for Task 26]																																															
27		TWDB: 15-day City/Team Review Period	12 days	Thu 5/27/21	Fri 6/11/21	26		[Gantt bar for Task 27]																																															
28		TWDB: Respond to City's comments	6 days	Mon 6/14/21	Mon 6/21/21	27		[Gantt bar for Task 28]																																															
29		TWDB: Post Notice and EID	7 days	Tue 6/22/21	Wed 6/30/21	28		[Gantt bar for Task 29]																																															
30		TWDB: Public Review Period(30-day)	1 mon	Thu 7/1/21	Wed 7/28/21	29		[Gantt bar for Task 30]																																															
31		TWDB: Public Meeting	1 day	Thu 7/29/21	Thu 7/29/21	30		[Gantt bar for Task 31]																																															
32		TWDB: Public Meeting Comment Period	7 days	Fri 7/30/21	Mon 8/9/21	31		[Gantt bar for Task 32]																																															
33		Preliminary EID Review by TWDB	1 mon	Tue 8/31/21	Mon 9/27/21	25,32		[Gantt bar for Task 33]																																															
34		Submission of Supplemental Info to TWDB	1 mon	Tue 9/28/21	Mon 10/25/21	33		[Gantt bar for Task 34]																																															
35		TWDB Approval of EID	1 mon	Tue 10/26/21	Mon 11/22/21	34		[Gantt bar for Task 35]																																															
36		30 Day TWDB Comment Period	30 edays	Mon 11/22/21	Wed 12/22/21	35		[Gantt bar for Task 36]																																															
37		Prepare 30% Plans	2 mons	Tue 3/16/21	Mon 5/10/21	21		[Gantt bar for Task 37]																																															
38		QA/QC	1 wk	Tue 5/11/21	Mon 5/17/21	37		[Gantt bar for Task 38]																																															
39		Revise QA/QC	1 wk	Tue 5/18/21	Mon 5/24/21	38		[Gantt bar for Task 39]																																															
40		Deliverable	1 wk	Tue 5/25/21	Mon 5/31/21	39		[Gantt bar for Task 40]																																															
41		Milestone Submittal	0 days	Mon 5/31/21	Mon 5/31/21	40		[Gantt bar for Task 41]																																															
42		City of Pflugerville Review	1 mon	Tue 6/1/21	Mon 6/28/21	40		[Gantt bar for Task 42]																																															
43		Revisions to the Pflugerville Review	5 days	Tue 6/29/21	Mon 7/5/21	42		[Gantt bar for Task 43]																																															
44		Survey Metes and Bounds	1 mon	Tue 7/6/21	Mon 8/2/21	43		[Gantt bar for Task 44]																																															
45		Easement Acquisition Process	340 days	Mon 8/2/21	Mon 11/21/22			[Gantt bar for Task 45]																																															
46		Appraisals	60 edays	Mon 8/2/21	Fri 10/1/21	44SS+1 mon		[Gantt bar for Task 46]																																															

Project: Wilbarger
Date: Mon 5/10/21

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

