

**PROFESSIONAL SERVICES AGREEMENT
FOR
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STATE OF TEXAS §
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COUNTY OF TRAVIS §

This Agreement is entered into by and between the City of Pflugerville, a Texas Municipal Corporation (“City”), acting by and through its City Manager, and K Friese & Associates, LLC (“Consultant”), both of which may be referred to herein singularly as “Party” or collectively as the “Parties.”

The Parties hereto severally and collectively agree, and by the execution hereof are bound, to the mutual obligations herein contained and to the performance and accomplishment of the tasks hereinafter described.

I. DEFINITIONS

As used in this Agreement, the following terms shall have meanings as set out below:

“City” is defined in the preamble of this Agreement and includes its successors and assigns.

“Consultant” is defined in the preamble of this Agreement and includes its successors.

“City Manager” shall mean the City Manager and/or his designee.

II. TERM

2.1 This agreement shall become effective upon execution by the City and shall remain in effect until satisfactory completion of the Scope of Work unless terminated as provided for in this Agreement.

2.2 If funding for the entire Agreement is not appropriated at the time this Agreement is entered into, City retains the right to terminate this Agreement at the expiration of each of City’s budget periods, and any subsequent contract period is subject to and contingent upon such appropriation

III. SCOPE OF SERVICES AND PROJECT SCHEDULE

Consultant agrees to provide the services described in this Article III entitled Scope of Services and Project Schedule in exchange for the compensation described in Article IV. Compensation. Scope of Services and Project Schedule are detailed in Exhibit A and Exhibit C, respectively, which are incorporated by reference as if written and copied herein. The terms and conditions of this Agreement shall control in the event of a conflict with any terms and conditions set forth therein.

All work performed by Consultant hereunder shall be performed to the satisfaction of the City Manager. The determination made by City Manager shall be final, binding and conclusive on all Parties hereto. City shall be under no obligation to pay for any work performed by

Consultant, which is not satisfactory to City Manager. City shall have the right to terminate this Agreement, in accordance with Article VII. Termination, in whole or in part, should Consultant's work not be satisfactory to City Manager; however, City shall have no obligation to terminate and may withhold payment for any unsatisfactory work, as stated herein, even should City elect not to terminate.

IV. COMPENSATION TO CONSULTANT

4.1 In consideration of Consultant's performance in a satisfactory and efficient manner, as determined solely by City Manager, of all services and activities set forth in this Agreement, City agrees to pay Consultant an amount not to exceed One Million Fifty Six Thousand Six Hundred and Eighty-Eight Dollars and Seventy Cents (\$1,056,688.70) as total compensation, to be paid to Consultant as further detailed in Exhibit B.

4.2 No additional fees or expenses of Consultant shall be charged by Consultant nor be payable by City. The parties hereby agree that all compensable expenses of Consultant have been provided for in the total payment to Consultant as specified in section 4.1 above. Total payments to Consultant cannot exceed that amount set forth in section 4.1 above, without prior approval and agreement of all parties, evidenced in writing and approved by the City.

4.3 Final acceptance of work products and services require written approval by City. The approval official shall be the City Manager. Payment will be made to Consultant following written approval of the final work products and services by the City Manager. City shall not be obligated or liable under this Agreement to any party, other than Consultant, for the payment of any monies or the provision of any goods or services.

V. OWNERSHIP OF DOCUMENTS

5.1 Any and all writings, documents or information in whatsoever form and character produced by Consultant pursuant to the provisions of this Agreement is the exclusive property of City; and no such writing, document or information shall be the subject of any copyright or proprietary claim by Consultant.

5.2 Consultant understands and acknowledges that as the exclusive owner of any and all such writings, documents and information, City has the right to use all such writings, documents and information as City desires, without restriction. Any use of such writings, documents and information on extensions of this project or on any other project without specific adaptation by Consultant shall be at the City's sole risk and without liability to the Consultant.

VI. RECORDS RETENTION

6.1 Consultant and its subcontractors, if any, shall properly, accurately and completely maintain all documents, papers, and records, and other evidence pertaining to the services rendered hereunder (hereafter referred to as "documents"), and shall make such materials available to the City at their respective offices, at all reasonable times and as often as City may deem necessary during the Agreement period, including any extension or renewal hereof, and the record retention period established herein, for purposes of audit, inspection, examination, and making excerpts or copies of same by City and any of its authorized representatives.

6.2 Consultant shall retain any and all documents produced as a result of services provided hereunder for a period of four (4) years (hereafter referred to as “retention period”) from the date of termination of the Agreement. If, at the end of the retention period, there is litigation or other questions arising from, involving or concerning this documentation or the services provided hereunder, Consultant shall retain the records until the resolution of such litigation or other such questions. Consultant acknowledges and agrees that City shall have access to any and all such documents at any and all times, as deemed necessary by City, during said retention period. City may, at its election, require Consultant to return said documents to City prior to or at the conclusion of said retention.

6.3 Consultant shall notify City, immediately, in the event Consultant receives any requests for information from a third party, which pertain to the documentation and records referenced herein. Consultant understands and agrees that City will process and handle all such requests.

VII. TERMINATION

7.1 For purposes of this Agreement, "termination" of this Agreement shall mean termination by expiration of the Agreement term as stated in Article II. Term, or earlier termination pursuant to any of the provisions hereof.

7.2 *Termination Without Cause.* This Agreement may be terminated by either Party upon 15 calendar days’ written notice, which notice shall be provided in accordance with Article VIII. Notice.

7.3 *Termination For Cause.* Upon written notice, which notice shall be provided in accordance with Article VIII. Notice, City may terminate this Agreement as of the date provided in the notice, in whole or in part, upon the occurrence of one (1) or more of the following events, each of which shall constitute an Event for Cause under this Agreement:

7.3.1 The sale, transfer, pledge, conveyance or assignment of this Agreement without prior approval, as provided in Article XII. Assignment and Subcontracting.

7.4 *Defaults With Opportunity for Cure.* Should Consultant default in the performance of this Agreement in a manner stated in this section 7.4 below, same shall be considered an event of default. City shall deliver written notice of said default specifying such matter(s) in default. Consultant shall have fifteen (15) calendar days after receipt of the written notice, in accordance with Article VIII. Notice, to cure such default. If Consultant fails to cure the default within such fifteen-day cure period, City shall have the right, without further notice, to terminate this Agreement in whole or in part as City deems appropriate, and to contract with another consultant to complete the work required in this Agreement. City shall also have the right to offset the cost of said new Agreement with a new consultant against Consultant’s future or unpaid invoice(s), subject to the duty on the part of City to mitigate its losses to the extent required by law.

7.4.1 Bankruptcy or selling substantially all of company’s assets

7.4.2 Failing to perform or failing to comply with any covenant herein required

7.4.3 Performing unsatisfactorily

7.5 *Termination By Law.* If any state or federal law or regulation is enacted or promulgated which prohibits the performance of any of the duties herein, or, if any law is interpreted to prohibit such performance, this Agreement shall automatically terminate as of the effective date of such prohibition.

7.6 Regardless of how this Agreement is terminated, Consultant shall affect an orderly transfer to City or to such person(s) or firm(s) as the City may designate, at no additional cost to City, all completed or partially completed documents, papers, records, charts, reports, and any other materials or information produced as a result of or pertaining to the services rendered by Consultant, or provided to Consultant, hereunder, regardless of storage medium, if so requested by City, or shall otherwise be retained by Consultant in accordance with Article VI. Records Retention. Any record transfer shall be completed within thirty (30) calendar days of a written request by City and shall be completed at Consultant's sole cost and expense. Payment of compensation due or to become due to Consultant is conditioned upon delivery of all such documents, if requested.

7.7 Within forty-five (45) calendar days of the effective date of completion, or termination or expiration of this Agreement, Consultant shall submit to City its claims, in detail, for the monies owed by City for services performed under this Agreement through the effective date of termination. Failure by Consultant to submit its claims within said forty-five (45) calendar days shall negate any liability on the part of City and constitute a **Waiver** by Consultant of any and all right or claims to collect monies that Consultant may rightfully be otherwise entitled to for services performed pursuant to this Agreement.

7.8 Upon the effective date of expiration or termination of this Agreement, Consultant shall cease all operations of work being performed by Consultant or any of its subcontractors pursuant to this Agreement.

7.9 *Termination not sole remedy.* In no event shall City's action of terminating this Agreement, whether for cause or otherwise, be deemed an election of City's remedies, nor shall such termination limit, in any way, at law or at equity, City's right to seek damages from or otherwise pursue Consultant for any default hereunder or other action.

VIII. NOTICE

Except where the terms of this Agreement expressly provide otherwise, any election, notice or communication required or permitted to be given under this Agreement shall be in writing and deemed to have been duly given if and when delivered personally (with receipt acknowledged), or three (3) days after depositing same in the U.S. mail, first class, with proper postage prepaid, or upon receipt if sending the same by certified mail, return receipt requested, or upon receipt when sent by a commercial courier service (such as Federal Express or DHL Worldwide Express) for expedited delivery to be confirmed in writing by such courier, at the addresses set forth below or to such other address as either Party may from time to time designate in writing.

If intended for City, to:

City of Pflugerville
Attn: Brad Lammi
Project Manager
P.O Box 589
Pflugerville, Texas 78660

IX. INSURANCE

9.1 Prior to the commencement of any work under this Agreement, Consultant shall furnish copies of all required endorsements and an original completed Certificate(s) of Insurance to the City, which shall be clearly labeled "*Weiss Lane from E Pecan St to Pleasanton Pkwy*" in the Description of Operations block of the Certificate. The original Certificate(s) shall be completed by an agent and signed by a person authorized by that insurer to bind coverage on its behalf. The City will not accept Memorandum of Insurance or Binders as proof of insurance. The original certificate(s) or form must have the agent's original signature, including the signer's company affiliation, title and phone number, and be mailed, with copies of all applicable endorsements, directly from the insurer's authorized representative to the City. The City shall have no duty to pay or perform under this Agreement until such certificate and endorsements have been received and approved by the City. No officer or employee, other than the City Attorney, shall have authority to waive this requirement.

9.2 The City reserves the right to review the insurance requirements of this Article during the effective period of this Agreement and any extension or renewal hereof and to modify insurance coverages and their limits when deemed necessary and prudent by City Attorney based upon changes in statutory law, court decisions, or circumstances surrounding this Agreement. In no instance will City allow modification whereupon City may incur increased risk.

9.3 A Consultant's financial integrity is of interest to the City; therefore, subject to Consultant's right to maintain reasonable deductibles in such amounts as are approved by the City, Consultant shall obtain and maintain in full force and effect for the duration of this Agreement, and any extension hereof, at Consultant's sole expense, insurance coverage written on an occurrence basis, by companies authorized and admitted to do business in the State of Texas and with an A.M Best's rating of no less than A- (VII), in the following types and for an amount not less than the amount listed below:

City of Pflugerville

Insurance Requirements

Consultant performing work on City property or public right-of-way for the City of Pflugerville shall provide the City a certificate of insurance evidencing the coverage provisions identified herein. Consultant shall provide the City evidence that all subcontractors performing work on the project have the same types and amounts of coverage as required herein or that the subcontractors are included under the contractor's policy. The City, at its own discretion, may require a certified copy of the policy.

All insurance companies and coverage must be authorized by the Texas Department of Insurance to transact business in the State of Texas and must be acceptable to the City of Pflugerville.

Listed below are the types and amounts of insurance required. The City reserves the right to amend or require additional types and amounts of coverage or provisions depending on the nature of the work.

| Type of Insurance | Amount of Insurance | Provisions |
|---|--|--|
| Commercial (Public) Liability to include coverage for: Premises/Operations | General 1,000,000 per occurrence, 2,000,000 general aggregate Or | City to be listed as additional insured and provide 30 days' notice of cancellation or material change in coverage |
| Products/ Completed Operations | 2,000,000 combined single coverage limit | City to be provided a waiver of subrogation |
| Independent Contractors | | City prefers that insurer be rated B+V1 or higher by A.M. Best or A or higher by Standard & Poors |
| Personal Injury | | |
| Contractual Liability | | |
| Business Auto Liability | 1,000,000 combined single limit | City to be provided a waiver of subrogation |
| Workers' Compensation & Employers Liability | Statutory Limits 1,000,000 each accident | City to be provided a waiver of subrogation |
| Professional Liability | 1,000,000 | |

Questions regarding this insurance should be directed to the City of Pflugerville (512) 990-6100. A contract will not be issued without evidence of Insurance. City will only accept the ACORD 25 or ISO certificate of insurance forms.

9.4 The City shall be entitled, upon request and without expense, to receive copies of the policies, declaration page and all endorsements thereto as they apply to the limits required by the City, and may require the deletion, revision, or modification of particular policy terms, conditions, limitations or exclusions (except where policy provisions are established by law or regulation binding upon either of the Parties hereto or the underwriter of any such policies). Consultant shall be required to comply with any such requests and shall submit a copy of the replacement certificate of insurance to City at the address provided below within 10 days of the requested change. Consultant shall pay any costs incurred resulting from said changes.

City of Pflugerville
Capital Improvement Program
P.O. Box 589
Pflugerville, Texas 78691-0589

9.5 Consultant agrees that with respect to the above required insurance, all insurance policies are to contain or be endorsed to contain the following provisions:

- Name the City, its officers, officials, employees, volunteers, and elected representatives as ***additional insured by endorsement under terms satisfactory to the City***, as respects operations and activities of, or on behalf of, the named insured performed under contract with the City, with the exception of the workers' compensation and professional liability policies;
- Provide for an endorsement that the "other insurance" clause shall not apply to the City of Pflugerville where the City is an additional insured shown on the policy;
- Workers' compensation and employers' liability policies will provide a waiver of subrogation in favor of the City.
- Provide thirty (30) calendar days advance written notice directly to City of any suspension, cancellation, non-renewal or material change in coverage, and not less than ten (10) calendar days advance notice for nonpayment of premium.

9.6 Within five (5) calendar days of a suspension, cancellation or non-renewal of coverage, Consultant shall provide a replacement Certificate of Insurance and applicable endorsements to City. City shall have the option to suspend Consultant's performance should there be a lapse in coverage at any time during this Agreement. Failure to provide and to maintain the required insurance shall constitute a material breach of this Agreement.

9.7 In addition to any other remedies the City may have upon Consultant's failure to provide and maintain any insurance or policy endorsements to the extent and within the time herein required, the City shall have the right to order Consultant to stop work hereunder, and/or withhold any payment(s) which become due to Consultant hereunder until Consultant demonstrates compliance with the requirements hereof.

9.8 Nothing herein contained shall be construed as limiting in any way the extent to which Consultant may be held responsible for payments of damages to persons or property resulting from Consultant's or its subcontractors' performance of the work covered under this Agreement.

9.9 It is agreed that, excepting Professional Liability, Consultant's insurance shall be deemed primary and non-contributory with respect to any insurance or self-insurance carried by the City of Pflugerville for liability arising out of operations under this Agreement.

9.10 It is understood and agreed that the insurance required is in addition to and separate from any other obligation contained in this Agreement.

9.11 Consultant and any of its Subcontractors are responsible for all damage to their own equipment and/or property.

X. INDEMNIFICATION

10.1 CONSULTANT covenants and agrees to INDEMNIFY and HOLD HARMLESS, the CITY and the elected officials, employees, officers, directors, volunteers and representatives of the CITY, individually and collectively, from and against any and all costs, claims, liens, damages, losses, expenses, fees, fines, penalties, proceedings, actions, demands, causes of action, or liability for damages caused by or resulting from an act of

negligence, intentional tort, intellectual property infringement, or failure to pay a subcontractor or supplier committed by the CONSULTANT or the CONSULTANT's agent, CONSULTANT under contract, or another entity over which the CONSULTANT exercises control. Such acts may include personal or bodily injury, death and property damage, made upon the CITY directly or indirectly arising out of, resulting from or related to CONSULTANT'S activities under this Agreement, including any negligent or intentional acts or omissions of CONSULTANT, any agent, officer, director, representative, employee, consultant or subcontractor of CONSULTANT, and their respective officers, agents employees, directors and representatives while in the exercise of the rights or performance of the duties under this Agreement. The indemnity provided for in this paragraph shall not apply to any liability resulting from the negligence of CITY, its elected officials, employees, officers, directors, volunteers and representatives, in instances where such negligence causes personal injury, death, or property damage. In no event shall the indemnification obligation extend beyond the date with when the institution of legal or equitable proceedings for the professional negligence would be barred by any applicable statute of repose or statute of limitations.

10.2 The provisions of this INDEMNITY are solely for the benefit of the Parties hereto and not intended to create or grant any rights, contractual or otherwise, to any other person or entity. CONSULTANT shall advise the CITY in writing within 24 hours of any claim or demand against the CITY or CONSULTANT known to CONSULTANT related to or arising out of CONSULTANT's activities under this AGREEMENT.

10.3 Duty to Defend – Consultant covenants and agrees to hold a DUTY TO DEFEND the CITY and the elected officials, employees, officers, directors, volunteers and representatives of the CITY, individually and collectively, from and against any and all claims, liens, proceedings, actions or causes of action, other than claims based wholly or partly on the negligence of, fault of, or breach of contract by the CITY, the CITY'S agent, the CITY'S employee or other entity, excluding the CONSULTANT or the CONSULTANT'S agent, employee or sub-consultant, over which the CITY exercises control. CONSULTANT is required under this provision and fully satisfies this provision by naming the CITY and those representatives listed above as additional insured under the CONSULTANT'S general liability insurance policy and providing any defense provided by the policy upon demand by CITY.

10.4 CONSULTANT is required to perform services to the City under the standard of care provided for in Texas Local Government Code § 271.904 (d)(1-2).

10.5 Employee Litigation – In any and all claims against any Party indemnified hereunder by any employee of CONSULTANT, any subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the indemnification obligation herein provided shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for CONSULTANT or any subcontractor under worker's compensation or other employee benefit acts.

10.6 Force Majeure - City agrees that the CONSULTANT is not responsible for damages arising from any circumstances such as strikes or other labor disputes; severe weather disruptions, natural disasters, fire or other acts of God; riots, war or other emergencies; or failure of any third party governmental agency to act in timely manner not caused or contributed to by CONSULTANT.

XI. ASSIGNMENT AND SUBCONTRACTING

11.1 Consultant shall supply qualified personnel as may be necessary to complete the work to be performed under this Agreement. Persons retained to perform work pursuant to this Agreement shall be the employees or subcontractors of Consultant. Consultant, its employees or its subcontractors shall perform all necessary work.

11.2 It is City's understanding and this Agreement is made in reliance thereon, that Consultant intends to use the following subcontractors in the performance of this Agreement: H.W. Lochner, Inc.; SAM Inc.; Raba-Kistner Consultants, Inc.; The Rios Group, LLC. Any deviation from this subcontractor list, whether in the form of deletions, additions or substitutions shall be approved by City prior to the provision of any services by said subcontractor.

11.3 Any work or services approved for subcontracting hereunder shall be subcontracted only by written contract and, unless specific waiver is granted in writing by the City, shall be subject by its terms to each and every provision of this Agreement. Compliance by subcontractors with this Agreement shall be the responsibility of Consultant. City shall in no event be obligated to any third party, including any subcontractor of Consultant, for performance of services or payment of fees. Any references in this Agreement to an assignee, transferee, or subcontractor, indicate only such an entity as has been approved by the City.

11.4 Except as otherwise stated herein, Consultant may not sell, assign, pledge, transfer or convey any interest in this Agreement, nor delegate the performance of any duties hereunder, by transfer, by subcontracting or any other means, without the consent of the City Council, as evidenced by passage of an ordinance. As a condition of such consent, if such consent is granted, Consultant shall remain liable for completion of the services outlined in this Agreement in the event of default by the successor Consultant, assignee, transferee or subcontractor.

11.5 Any attempt to transfer, pledge or otherwise assign this Agreement without said written approval, shall be void ab initio and shall confer no rights upon any third person. Should Consultant assign, transfer, convey, delegate, or otherwise dispose of any part of all or any part of its right, title or interest in this Agreement, City may, at its option, cancel this Agreement and all rights, titles and interest of Consultant shall thereupon cease and terminate, in accordance with Article VII. Termination, notwithstanding any other remedy available to City under this Agreement. The violation of this provision by Consultant shall in no event release Consultant from any obligation under the terms of this Agreement, nor shall it relieve or release Consultant from the payment of any damages to City, which City sustains as a result of such violation.

XII. INDEPENDENT CONTRACTOR

Consultant covenants and agrees that he or she is an independent contractor and not an officer, agent, servant or employee of City; that Consultant shall have exclusive control of and exclusive right to control the details of the work performed hereunder and all persons performing same, and shall be responsible for the acts and omissions of its officers, agents, employees, contractors, subcontractors and consultants; that the doctrine of respondent superior shall not apply as between City and Consultant, its officers, agents, employees, contractors, subcontractors and consultants, and nothing herein shall be construed as creating the relationship of employer-employee, principal-agent, partners or joint venturers between City and Consultant. The Parties hereto understand and agree that the City shall not be liable for any claims which may be asserted by

any third party occurring in connection with the services to be performed by the Consultant under this Agreement and that the Consultant has no authority to bind the City.

XIII. CONFLICT OF INTEREST

13.1 Consultant acknowledges that it is informed that the Charter of the City of Pflugerville and its Ethics Code prohibit a City officer or employee, as those terms are defined in Section 11.06 of the Ethics Code, from having a financial interest in any contract with the City or any City agency such as city owned utilities. An officer or employee has a “prohibited financial interest” in a contract with the City or in the sale to the City of land, materials, supplies or service, if any of the following individual(s) or entities is a Party to the contract or sale: a City officer or employee; his parent, child or spouse; a business entity in which the officer or employee, or his parent, child or spouse owns ten (10) percent or more of the voting stock or shares of the business entity, or ten (10) percent or more of the fair market value of the business entity; a business entity in which any individual or entity above listed is a subcontractor on a City contract, a partner or a parent or subsidiary business entity.

13.2 Pursuant to the subsection above, Consultant warrants and certifies, and this Agreement is made in reliance thereon, that it, its officers, employees and agents are neither officers nor employees of the City. Consultant further warrants and certifies that it will comply with the City’s Ethics Code.

13.3 Certificate of Interested Parties (TEC Form 1295). For contracts needing City Council approval, or any subsequent changes thereto requiring City Council approval, the City may not accept or enter into a contract until it has received from the Consultant a completed, signed, and notarized TEC Form 1295 complete with a certificate number assigned by the Texas Ethics Commission (“TEC”), pursuant to Texas Government Code § 2252.908 and the rules promulgated thereunder by the TEC. The Consultant understands that failure to provide said form complete with a certificate number assigned by the TEC may prohibit the City from entering into this Agreement. Pursuant to the rules prescribed by the TEC, the TEC Form 1295 must be completed online through the TEC’s website, assigned a certificate number, printed, signed and notarized, and provided to the City. The TEC Form 1295 must be provided to the City prior to the award of the contract. The City does not have the ability to verify the information included in a TEC Form 1295, and does not have an obligation or undertake responsibility for advising Consultant with respect to the proper completion of the TEC Form 1295.

XIV. AMENDMENTS

Except where the terms of this Agreement expressly provide otherwise, any alterations, additions, or deletions to the terms hereof, shall be effected by amendment, in writing, executed by both City and Consultant, and, if applicable, subject to formal approval by the City Council.

XV. SEVERABILITY

If any clause or provision of this Agreement is held invalid, illegal or unenforceable under present or future federal, state or local laws, including but not limited to the City Charter, City Code, or ordinances of the City of Pflugerville, Texas, then and in that event it is the intention of the Parties hereto that such invalidity, illegality or unenforceability shall not affect any other clause or

provision hereof and that the remainder of this Agreement shall be construed as if such invalid, illegal or unenforceable clause or provision was never contained herein; it is also the intention of the Parties hereto that in lieu of each clause or provision of this Agreement that is invalid, illegal, or unenforceable, there be added as a part of the Agreement a clause or provision as similar in terms to such invalid, illegal or unenforceable clause or provision as may be possible, legal, valid and enforceable.

XVI. LICENSES/CERTIFICATIONS

Consultant warrants and certifies that Consultant and any other person designated to provide services hereunder has the requisite training, license and/or certification to provide said services, and meets all competence standards promulgated by all other authoritative bodies, as applicable to the services provided herein.

XVII. COMPLIANCE

Consultant shall provide and perform all services required under this Agreement in compliance with all applicable federal, state and local laws, rules and regulations.

XVIII. NONWAIVER OF PERFORMANCE

Unless otherwise specifically provided for in this Agreement, a waiver by either Party of a breach of any of the terms, conditions, covenants or guarantees of this Agreement shall not be construed or held to be a waiver of any succeeding or preceding breach of the same or any other term, condition, covenant or guarantee herein contained. Further, any failure of either Party to insist in any one or more cases upon the strict performance of any of the covenants of this Agreement, or to exercise any option herein contained, shall in no event be construed as a waiver or relinquishment for the future of such covenant or option. In fact, no waiver, change, modification or discharge by either Party hereto of any provision of this Agreement shall be deemed to have been made or shall be effective unless expressed in writing and signed by the Party to be charged. In case of City, such changes must be approved by the City Council, as described in Article XVI. Amendments. No act or omission by a Party shall in any manner impair or prejudice any right, power, privilege, or remedy available to that Party hereunder or by law or in equity, such rights, powers, privileges, or remedies to be always specifically preserved hereby.

XIX. LAW APPLICABLE

19.1 THIS AGREEMENT SHALL BE CONSTRUED UNDER AND IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS AND ALL OBLIGATIONS OF THE PARTIES CREATED HEREUNDER ARE PERFORMABLE IN TRAVIS COUNTY, TEXAS.

19.2 Venue for any legal action or proceeding brought or maintained, directly or indirectly, as a result of this Agreement shall be heard and determined in a court of competent jurisdiction in Travis County, Texas.

XX. LEGAL AUTHORITY

The signer of this Agreement for Consultant represents, warrants, assures and guarantees that he has full legal authority to execute this Agreement on behalf of Consultant and to bind Consultant to all of the terms, conditions, provisions and obligations herein contained.

XXI. PARTIES BOUND

This Agreement shall be binding on and inure to the benefit of the Parties hereto and their respective heirs, executors, administrators, legal representatives, and successors and assigns, except as otherwise expressly provided for herein.

XXII. CAPTIONS

The captions contained in this Agreement are for convenience of reference only, and in no way limit or enlarge the terms and/or conditions of this Agreement.

XXIII. INCORPORATION OF EXHIBITS

Each of the Exhibits listed below is an essential part of the Agreement, which governs the rights and duties of the Parties, and shall be incorporated herein for all purposes:

Exhibits "A - C" - Scope of Services, including Project Description/Scope of Services; Fee Summary for Professional Services and Proposed Project Schedule

XXIV. ENTIRE AGREEMENT

This Agreement, together with its authorizing ordinance and its exhibits, if any, constitute the final and entire agreement between the Parties hereto and contain all of the terms and conditions agreed upon. No other agreements, oral or otherwise, regarding the subject matter of this Agreement shall be deemed to exist or to bind the Parties hereto, unless same be in writing, dated subsequent to the date hereto, and duly executed by the Parties, in accordance with Article XIV. Amendments.

XXV. MISCELLANEOUS CITY CODE PROVISIONS

25.1 Representations and Warranties by Consultant. If Consultant is a corporation, partnership or a limited liability company, Consultant warrants, represents, covenants, and agrees that it is duly organized, validly existing and in good standing under the laws of the state of its incorporation or organization and is duly authorized and in good standing to conduct business in the State of Texas.

25.2 Franchise Tax Certification. A corporate or limited liability company Consultant certifies that it is not currently delinquent in the payment of any Franchise Taxes due under Chapter 171 of the *Texas Tax Code*, or that the corporation or limited liability company is exempt from the payment of such taxes, or that the corporation or limited liability company is an out-of-state corporation or limited liability company that is not subject to the Texas Franchise Tax, whichever is applicable.

25.3 Eligibility Certification. Consultant certifies that the individual or business entity named in the Agreement is not ineligible to receive payments under the Agreement and acknowledges that the Agreement may be terminated and payment withheld if this certification is inaccurate.

25.4 Payment of Debt or Delinquency to the State or Political Subdivision of the State. Pursuant to Chapter 38, *City of Pflugerville Code of Ordinances*, Consultant agrees that any payments owing to Consultant under the Agreement may be applied directly toward any debt or delinquency that Consultant owes the City of Pflugerville, State of Texas or any political subdivision of the State of Texas regardless of when it arises, until such debt or delinquency is paid in full.

25.5 Texas Family Code Child Support Certification. Consultant certifies that they are not delinquent in child support obligations and therefore is not ineligible to receive payments under the Agreement and acknowledges that the Agreement may be terminated and payment may be withheld if this certification is inaccurate.

25.6 Texas Government Code Mandatory Provision. The City of Pflugerville may not enter into a contract with a company for goods and services unless the contract contains a written verification from the company that it; (i) does not boycott Israel; (ii) will not boycott Israel during the term of the contract; (iii) does not boycott energy companies; (iv) will not boycott energy companies during the term of the contract; (v) does not have a practice, policy, guidance or directive that discriminates against a firearm entity or firearm trade association; and (vi) will not discriminate during the term of the contract against a firearm entity or firearm trade association (Texas Government Code, Chapter 2271.002; 2274.002).

Company hereby verifies that it does not boycott Israel, and agrees that, during the term of this agreement, will not boycott Israel as this term is defined in the Texas Government Code, Section 808.001, as amended. Company hereby verifies that it does not boycott energy companies, and agrees that, during the term of this agreement, will not boycott energy companies as this term is defined in Texas Government Code, Section 809.001, as amended. Company hereby verifies that it does not have a practice, policy, guidance or directive that discriminates against a firearm entity or firearm trade association, and agrees that, during the term of this agreement, will not discriminate against a firearm entity or firearm trade association as those terms are defined in Texas Government Code, Section 2274.001, as amended.

Further, Company hereby certifies that it is not a company identified under Texas Government Code, Section 2252.152 as a company engaged in business with Iran, Sudan, or Foreign Terrorist Organizations.

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

**CITY OF
PFLUGERVILLE**

K Friese & Associates, LLC

(Signature)

Printed Name: Sereniah Breland

Title: City Manager

Date: _____

Charlotte Gilpin

(Signature)

Printed Name: Charlotte A. Gilpin, PE, CFM

Title: Vice President

Date: December 5, 2024

APPROVED AS TO FORM:



Charles E. Zech

City Attorney

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

Stan Springerley

Senior Associate Attorney

EXHIBIT A
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WORK SUMMARY

K Friese + Associates, LLC. (KFA) will provide the necessary engineering and technical services for the widening of Weiss Lane from E Pecan Street to Pleasanton Parkway, approximately 0.61 miles. KFA will provide the necessary engineering and technical services for the development of the plans, specifications and estimates (PS&E) and contract for construction. KFA will also provide bid phase and construction phase services as described in the Phase III and Phase IV tasks. The plans will include construction of the roadway from an existing two-lane arterial to a four-lane major arterial with 120-ft ROW width and featuring a non-irrigated, drought tolerant, low maintenance landscaped median. The intersection improvements at Pecan Street are not included in the design and connection to the Kimley Horn intersection design will be made. The design will include a 10-foot wide shared use path (SUP) on the west side of Weiss Lane.

KFA will perform design services related to the design and plan production for this project in accordance with the latest available City of Pflugerville requirements, including the Engineering Design Guidelines & Construction Standards, the latest Unified Development Code, and City of Pflugerville Standard Details and Specifications. Special details and specifications will be developed for the projects when necessary.

KFA shall include the tasks and deliverables more fully described in the following task descriptions.

PROJECT DESIGN CRITERIA

All engineering documents released, issued, or submitted by or for a registered engineering firm, including preliminary documents, must clearly indicate the engineering firm name and registration number. Additionally, all completed documents submitted for final approval or issuance or a permit must bear the seal with signature and date adjacent thereto of a Professional Engineer licensed to practice in the State of Texas.

The design standards to be used will include but not be limited to the City of Pflugerville Engineering Design Manual, City of Austin Drainage Criteria Manual, TxDOT Roadway Design Manual, TxDOT Bridge Design Manual – LRFD, TxDOT Hydraulic Design Manual, Highway Capacity Manual, the American Association of State Highway and Transportation Officials (AASHTO) A Policy on Geometric Design of Highways and Streets, AASHTO LRFD Bridge Design Specifications, Texas Manual on Uniform Traffic Control Devices, ADA Accessibility Guidelines, Texas Pollutant Discharge Elimination System (TPDES) Guidelines, required applicable state and federal guidelines or standards.

Project specifications will be developed using the latest City of Pflugerville Technical Standards and Specifications and when needed, City of Austin Technical Standards and Specifications and/or the Texas Department of Transportation Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges.

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PROJECT MANAGEMENT

1. Overall Project Management – KFA will conduct internal meetings, schedule work, and coordinate on an ongoing basis with the City and project team. This task includes coordinating with subconsultants on field work, work products, and deliverables. This task also includes designation of PM in writing, monthly invoicing and progress reports, monthly meetings with the City, and monthly updates to the project schedule. The anticipated duration is twelve (12) months for design and sixteen (16) for construction.
2. City of Pflugerville Meetings – Meetings will be conducted with the City as shown in the project schedule and after each submittal to discuss the City’s comments. Four (4) meetings have been assumed and outlined below. Time is included in this task for meeting preparation and documentation of the meetings. For review meetings, KFA will prepare agendas which will be distributed in advance of each meeting and minutes will be distributed following each meeting.
 - Twelve (12) monthly progress meeting with the City, One (1) attendee
 - One (1) in person/virtual kickoff meeting with the City, Three (3) attendees
 - One (1) in-person/virtual meeting with City following Conceptual Alternatives submittal, Three (3) attendees.
 - One (1) in-person/virtual meeting with City following 60% submittal, Three (3) attendees.
 - One (1) in-person/virtual meeting with City following 90% PS&E submittal, Three (3) attendees.
 - One (1) in-person/virtual meeting for 100% technical review with City, Three (3) attendees
 - City of Pflugerville City Council Meetings – KFA will attend up to three (3) City Council meetings
3. Public Involvement – KFA will prepare materials and attend two (2) public in-person Open House Meetings for the project following the Schematic (30%) and the 90% phase submittals. KFA will provide needed exhibits and assist City staff, or their consultant, and attend to answer questions from the public during the open houses. It is assumed that KFA will provide technical assistance only and not organize or conduct the meetings. Advertisements, public notifications, facility rentals, and catering are not included in this scope.

PHASE I – SCHEMATIC (30%) PHASE

1. **Right-of-Entry Coordination:** Surveying and Mapping, LLC (SAM) proposes to provide a Right-of-Entry (ROE) Coordination services to K Friese & Associates
 - a. SAM shall attempt to obtain ROE for Seven (7) affected properties for the purpose of completing the Design survey and other field services. The Surveyor anticipates that City of Pflugerville will facilitate the resolution of any refusals to grant ROE and/or communication with land owners who are

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hostile with respect to the completion of this scope of services The Surveyor will document any interactions with land owners while performing the work. Gaining ROE from all landowners in a timely manner will be critical to the success and efficiency in meeting deadlines for this project.

2. **Design Survey and Right-of-Way Mapping:** Surveying and Mapping, LLC (SAM) proposes to provide a Design and Right-of-Way (ROW) Survey services to K Friese & Associates. The survey will be approximately 0.6 miles in length along Weiss Lane from East Pecan Street to Pleasanton Parkway located within the City of Pflugerville and Travis County, Texas. Project team will also attend the project kick off meeting and design meetings, as needed.

a. Design Survey:

- Establish horizontal and vertical control (up to three (3)) for this project to be used for all survey work. Horizontal control will be based upon Texas Coordinate System, Central Zone, NAD83, and units will be U.S. Survey Feet, and vertical control will be based upon NAVD 1988 datum, both derived from GPS observations and calculated using Geoid 12B, and/or existing survey control provided by the Client or Owner in the immediate vicinity.
- SAM will provide files in Surface. The Travis County Surface Scale Factor that will be utilized is 1.000100
- Locate visible above ground features along the route and within the public right of way corridor including but not limited to: curbs, pavement, centerlines, sidewalks, fences, street lighting, power poles, fiber optic pedestals, driveways and any other above ground utilities and structures.
- Research the current ownership deeds and/or plats of the subject lot and adjoining properties, locate existing boundary monumentation and analyze the found boundary monumentation to determine the location of the boundary lines. The boundary lines, monuments found or set based upon the current description of the property as shown in current deed and/or plat of record will be shown.
- If a Title Report is provided to SAM by the Client or Owner, SAM will review said Title Reports. The easements listed within the Title Report will be reviewed and if they affect the subject lot, be plotted on the survey. A list of all easements from the title report of commitment will be listed on the survey with a notation confirming if they affect the property.
- Survey shall define the public right of way limits, parcel line and existing easements along the proposed route. (Note: if a title report or title commitment is not provided, SAM will obtain the easements noted in the current deed of record and plot those as best as can be determined. No other title or easement research will be performed.)
- SAM will acquire LiDAR and Imagery for the area provided by the client shown on Exhibit A.
- SAM will plan and target up to 3 ground control and gather ground truthing locations throughout the project area.

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- Horizontal and vertical control will be established using GPS with a tolerance of +/- 0.1 feet in the horizontal and vertical.
 - The project horizontal datum will be relative to the appropriate zone of the State Plane Coordinate System, North American Datum 1983 (NAD83 2011), US Foot. The vertical datum will be relative to the North American Vertical Datum of 1988 (NAVD88) using the National Geodetic Survey (NGS) Geoid 18.
 - SAM will acquire LiDAR data at approximately 50 points per square meter average density or better.
 - SAM will simultaneously collect color imagery suitable to generate 3-inch pixel GSD resolution orthoimagery.
- b. Design Survey:
- Parcel Acquisition Documents (up to 9 parcel documents assumed; no staking assumed):
 - Surveyor shall prepare preliminary parcel descriptions with associated parcel plats for right-of-way parcel acquisition.
 - After receipt of title commitments, set appropriate monumentation (Up to 27 iron rods shall be set) in accordance with County requirements. Prepare signed and sealed documents for right of way parcel and easement acquisition.



Figure A – Survey Extents

3. **Subsurface Utility Engineering (SUE):** The Rios Group (TRG) will provide SUE services, while attending the project kick off meeting and design meetings, as needed.
- a. Quality Level (QL) “B” SUE Services: TRG will perform QL “B” SUE Services for the project.

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- TRG will perform records research and acquire available existing utility records within the project limits. This will include contacting the applicable One Call agency and associated utility owners/municipalities to request records and reviewing available utility record information obtained.
 - TRG will attempt to designate the following utilities within this area: potable water, reclaimed water, chilled water, natural gas/crude oil/refined product pipelines, communication duct banks, fiber optic, cable television, telephone, traffic signal cables, street lighting, TxDOT CTMS cables, and electric.
 - Wastewater and storm drain facilities will be inverted at manholes and will be depicted as QLC information.
 - TRG will attempt to designate utility service lines, however, because these lines are often non-conductive and not shown on records TRG cannot guarantee all service lines will be included in the final deliverables.
 - TRG will prepare an overhead utility inventory.
 - The following facilities/items are specifically excluded from the scope of work of this proposal: private service lines, irrigation lines, detailed vault investigations.
 - TRG will attempt to provide Electronic Depth readings calculated by TRG's geophysical equipment. If Electronic Depth readings can be obtained, they will be provided every 50 feet. However, due to the inconsistency with Electronic Depth readings, TRG cannot guarantee the accuracy of the information. Data will be provided for informational purposes only.
- b. QL "A" SUE Services: (10) QLA SUE test holes at location that will be provided by the Client following a review of the QLB SUE information. TRG has made the following assumptions related to test hole excavations on this project:
- Test holes will be excavated using vacuum excavation equipment.
 - All test holes will be accessible to truck/trailer-mounted vacuum excavation equipment. Any improvements required to access test hole locations (clearing, grading, mat installation, etc.) will be provided by others at no cost to TRG).
 - Right-of-Way (ROW) permits from the City of Pflugerville (City) will be required. TRG will obtain all required City permits and ensure that coordination and compliance with the City is provided.
 - Traffic control measures will be required. TRG will acquire the services of a qualified Maintenance-of-Traffic (MOT) Subcontractor and ensure that adequate traffic control is provided.
 - Pavement coring/repair will be required at three (3) locations. 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.

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- The following items are specifically excluded from this scope of work: flowable fill for backfill of test holes, full-section pavement repair (including sidewalks)
 - 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.
 - Excavation in rock, or to a depth greater than 18 feet, is considered beyond the scope of this proposal.
 - The survey of SUE field markings and test hole locations is also included in this scope of work.
 - 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 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.
 - The following items are specifically excluded from this scope of work: flowable fill for backfill of test holes, full-section pavement repair (including sidewalks)
4. **Geotechnical Services:** Raba Kistner Consulting, Inc. (RKI) scope of services will be to determine subsurface soil conditions at the site and develop flexible pavement design and bridge foundation recommendations and construction guidelines for the widening of Weiss Lane, including a new crossing at Weiss Lane, approximately 800 ft southwest of its intersection with Pleasanton Parkway. The design 18-kip Equivalent Single Axle Loads (ESALs) will be determined by either street classification or anticipated average daily traffic (ADT) counts for a 20 and 30 year design life for flexible pavements in general accordance with the City of Pflugerville Engineering Design Manual & Construction Standards, and/or estimated traffic as provided by the City of Pflugerville. Attend project kick off meeting and design meetings, as needed.
- a. Field Coordination and Exploration:
- Develop soil-boring layout for the City of Pflugerville’s approval prior to mobilization.
 - Submit a Right-of-Way Application permit for the street, which is required for drilling and cut excavations within the street right—of—way. The document will include a cover letter describing the nature of our work, the number of borings and their targeted depths, proposed boring locations vetted against existing utilities (offsets), a traffic and/or pedestrian control plan in conformance with the latest TMUTCD, and a restoration plan (backfill requirements for the boreholes) in accordance with Chapter 96.51 and 96.52. A call to Texas 811 utility locate submission will also be included. We understand not all utilities subscribe to Texas 811; therefore, water line utilities will have their own utility locate submission for final clearance.

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- The boring locations will be located in the field utilizing tape and right-angle measurements from existing benchmarks or using a recreational grade Global Positioning System (GPS) device. Our scope of services does not include surveying of the boring locations. However, RKI will provide field coordinates of all boring locations, which are expected to be surveyed by others. RKI can also be available to restake the borings for surveying if necessary.
 - Subsurface soil conditions will be explored by drilling 5 pavement borings to depths of 15 ft and 2 bridge borings at the creek crossing to depths of 70 ft below the existing ground surface utilizing a truck mounted drilling rig. Samples will be taken on 2 ft intervals to a depth of 10 ft, then every 5 ft below that. The above fieldwork will be supervised by a graduate engineer or geologist familiar with local geology and TxDOT standards for drilling and sampling. We have assumed that the borings can be drilled during the day, right of entry is provided, and that all boring locations will be accessible to a truck-mounted drill rig.
 - Bulk samples will also be taken for sieve analyses for use in scour analyses to be performed by others.
 - Perform dynamic cone penetrometer (DCP) testing at each boring location to evaluate subgrade stiffness.
- b. Laboratory Testing: The testing program may include but not limited to moisture content tests, Atterberg Limits (plasticity tests), unconfined compression, sulfate testing, particle size analysis tests, and lime series. The type and number of tests will be based on subsurface conditions encountered in the field.
- c. Geotechnical Engineering Report (GER):
- Geotechnical Investigation prepared by a professional geotechnical engineer with 15+ years of experience conducting bridge and roadway projects within Travis County.
 - The following items will be included in the geotechnical report: soil-boring locations, boring logs, plan of borings, subsurface exploration procedures, field and laboratory test results, description of surface and subsurface conditions, groundwater conditions, estimated PVR calculations, and drilled pier axial and uplift capacity curves.
 - All pavement design analyses will be performed with TxDOT software FPS-21. At least one option will be considered for a mill and overlay or other recycled pavement design.
 - In addition, RKI will compare the analyzed design to that which was presented in as-built plans from a previous phase. If the recommended section provided in the GER varies from that in the as-built, a comparison of the sections will be presented.
 - A Draft Pavement Report will be submitted for the street and bridge for design team comments and review. Comments will be incorporated in the final deliverable that will be reproduced in one electronic copy for distribution.
 -

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5. **Environmental Services:** Raba Kistner, Inc (RKI) will perform environmental services for the project.

a. Waters of the US Delineation:

- RKI will conduct field investigations and prepare a Waters of the U.S. (WOTUS) (including wetlands) determination and delineation report for the Project Area in accordance with current federal delineation methodology including the 1987 U.S. Army Corps of Engineers (USACE) Wetland Delineation Manual and 2010 Regional Supplement. A determination will be made regarding the presence of potential WOTUS, as defined using prescribed USACE guidance, which may be subject to Clean Water Act Section 404 jurisdiction. Should any potential jurisdictional features be identified, RKI will identify and delineate the boundaries, including special aquatic sites (e.g., wetlands), and collect a minimum of two representative wetland sample data points. Should no potential jurisdictional features be identified, RKI will as appropriate, collect sample data points and complete USACE Wetland Determination Data Forms to document negative findings within the Project Area.
- RKI will prepare a delineation report for the Project Area complete with appropriate field data forms to provide documentation of these conditions. The report will include:
 - Brief description of the project, methods/sampling procedures, and results as required by the USACE;
 - Boundaries of any WOTUS identified in the field;
 - Figure depicting the location of each wetland sample data point;
 - Completed wetland data forms;
 - Area (acres and/or linear feet) of potential jurisdictional WOTUS shown on an exhibit;
 - Pertinent published data (e.g., historical United States Geologic Survey (USGS) topographic maps, historical aerial photography, Federal Emergency Management Agency maps, National Wetland Inventory Maps, and United States Department of Agriculture (USDA) soil surveys) to support the findings.

b. Rare, Threatened, and Endangered Species Habitat Assessment:

- This task includes an assessment of habitat for rare, threatened, and endangered species (including U.S. Fish & Wildlife Service (USFWS) designated Critical Habitat). RKI will perform research of readily available environmental information from appropriate local, state, and federal agencies relative to the Project Area. This will include a review of desktop resources including, but not limited to USGS topographic maps, USFWS Information for Planning and Consultation (IPaC) tool, historic aerial photography, Texas Parks and Wildlife Department (TPWD) Ecosystem Analytical Mapper, the Texas Natural Diversity

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Database (TXNDD) Element of Occurrence Records (EOR), and TPWD Rare Species of Texas by County list.

- A comprehensive field assessment will be conducted to document and characterize the ecological setting and potential habitats present within the Project Area. The assessment will leverage the habitat types and naming conventions prescribed in the TPWD Ecosystem Mapping System to ensure consistency. This detailed field data will be used to determine the potential presence of suitable habitat for state and federally protected species both within and adjacent to the Project Area.
 - RKI will prepare a report documenting the findings, including any recommendations for additional activities or implementation of best management practices during construction.
- c. Archaeological Background Study:
- RKI proposes to conduct an Archaeological Background Study for the proposed undertaking. The background study will consist of a comprehensive review of records that pertain to the proposed Project Area. Specifically, during the background study, an RKI Archaeologist will consult the available resources from the Texas Archeological Sites Atlas Atlas], an online database maintained by the Texas Historical Commission (THC). Site files and maps will be examined to gather more detailed information regarding the project area and its immediate vicinity. In addition, resources such as historical aerial photographs, historic topographic maps, geologic maps, and soil survey maps will also be reviewed to provide information on land use, topography, soils, vegetation, geology, and levels of development within the project vicinity. The goal of the background study is to determine the likelihood that the project will impact significant cultural resources. Significant cultural resources may consist of historic standing structures and/or prehistoric and historic cultural deposits that have the potential to be listed on the National Register of Historic Places and be formally designated as State Antiquities Landmarks. Phase I Environmental Site Assessment: RKI will conduct a Phase I Environmental Site Assessment in general accordance with ASTM E1527-21. Findings and recommendations will be documented in a report.
 - The background study will result in the production of a report, summarizing the resources consulted, the findings of the review, and recommendations regarding any additional field investigations that may be warranted prior to the inception of the development activities. The document will be submitted to the CLIENT for review. Once the CLIENT has reviewed the report, and all comments addressed, RKI will produce a final version of the background study to submit to the THC. The submittal can be done by the CLIENT or by RKI, depending on the CLIENT preference. THC will have final determination on the appropriate level of effort needed to comply with the ACT.
- d. Phase I Environmental Site Assessment (ESA):

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- RKI will conduct a Phase I Environmental Site Assessment (ESA) in general accordance with ASTM E1527- 21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E1527-21). The Phase I ESA will satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations in the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). RKI will assess under the supervision of an environmental professional (EP) as defined in 40 Code of Federal Regulations (CFR).
 - Regulatory records review;
 - Historical records review;
 - Site reconnaissance;
 - Interviews;
 - Vapor Encroachment Screen (VES) in accordance with ASTM E2600-22; and
 - Preparation of a written report.
 - e. USACE Section 404 Nationwide Permit (Optional)
 - If required following review of preliminary design and Nationwide Permit (NWP) options, RKI will prepare a PCN for the appropriate NWP in accordance with the USACE Fort Worth District's application process. This scope includes permit application seeking coverage under an NWP. RKI will complete the application and coordinate with CLIENT for pertinent project information and required data. Such data includes information regarding project location, applicant, property ownership, project impacts and mitigation (See Limitations), and supporting graphics for the agency's review. The application will be submitted for review and signature prior to submitting to the USACE.
 - This task also involves coordinating required drawings, obtaining adjacent property owner contact information, compiling required figures and attachments, GIS support activities for required drawings, conducting quality reviews, clerical support, and addressing two rounds of comments each from team and the USACE.
6. **Schematic (30%) Development:** Develop a 30% design roll plot displaying the existing and proposed roadway, bridge, and drainage features, including proposed ROW and all necessary easements.
- a. **Roadway Design:** KFA will be supported by HW Lochner for the Design for the proposed roadway improvements including roadway, roadside safety, sidewalks, and traffic control during construction.
 - b. **Hydrologic & Hydraulic Analysis:** Statetech Engineering, LLC will perform hydrologic and hydraulic analysis of the crossing of Wilbarger Creek.
 - i. Hydrologic Updates: Obtain and review the Best Available model for the creek. It is assumed the model from the existing bridge crossing will be available for use. The Best Available model will be

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updated to reflect existing conditions and Atlas 14 flows. The proposed bridge will be modeled in the proposed condition.

- ii. Hydraulic Updates: Obtain and review the Best Available model for the creek. It is assumed the model from the existing bridge crossing will be available for use. The Best Available model will be updated to reflect existing conditions and Atlas 14 flows. The proposed bridge will be modeled in the proposed condition.
- c. Drainage Design: Perform preliminary sizing of drainage trunk lines and inlet locations for coordination purposes. Review of hydrologic impacts and sizing and siting detention ponds. It is anticipated that two ponds will be required at the Wilbarger Creek crossing. Ponds will be sized for impervious cover added with this project.
- d. Water Quality: Perform preliminary sizing and siting of water quality controls. It is anticipated that two ponds will be required at the Wilbarger Creek crossing. Ponds will be sized for impervious cover added with this project
- e. Bridge Design: HW Lochner will provide design services for the proposed bridge. The bridge is assumed to be a single span concrete girder bridge, similar to the existing Weiss Lane bridge at Wilbarger Creek.
 - i. Structural Services: Structural engineer (HW Lochner) to evaluate condition of the existing bridge using the most current routine bridge inspection report/photos (provided by the City) and as-built plans and provide recommendations on maintenance needs. If significant deterioration is noted in the report, then supplemental site visits and/or testing will be considered to be added to the scope at that time.
- f. Illumination Design: HW Lochner shall refer to TxDOT's *Highway Illumination Manual* and other deemed necessary State or City approved manuals for design of continuous lighting and safety lighting. The Engineer shall provide a preliminary layout for Schematic (30%).
 - i. In the II Design phase the engineer will prepare circuit wiring diagrams showing the number of luminaries on each circuit, electrical conductors, length of runs, and illumination/service pole assemblies. The Engineer shall integrate existing illumination within the project limits into the proposed design and will coordinate with the City and electrical service provider to determine the location and size of proposed service locations.
- g. Deliverables
 - i. 30% Design Roll Plot: KFA, with support from HW Lochner, will prepare a roll plot for the proposed improvements reflecting the 30% design. The roll plot will include:
 - Horizontal Alignment
 - Vertical Profile

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- Edges of Pavement and SUP
 - Existing Property Lines and Proposed ROW
 - Existing driveways and addresses of adjacent properties
 - Major Drainage Crossing
 - Drainage Trunk Lines
 - Roadway Typical Sections
 - Horizontal Alignment Data
 - Preliminary Bridge Layout
- ii. 30% Design Cross Sections Roll Plot: KFA will prepare a roll plot with design cross-sections plotted at 100-foot intervals.
- iii. Drainage Technical Memorandum: KFA, with support from Statetech Engineering, LLC, will prepare a drainage and water quality memorandum to summarize the general drainage requirements for the project. KFA will use Atlas 14 rainfall data to prepare the drainage design.
- iv. 30% Preliminary Opinion of Probable Construction Cost: KFA will prepare an opinion on probable construction cost using TxDOT bid items.

II – DESIGN PHASE

1. Plan Preparation: KFA and associated subconsultants will develop a set of construction plans (22-in x 36-in Full Size for construction, with 11-in x 17-in Half Size submitted at design stages). The anticipated plan sheets are summarized below.
- a. General (16 sheets)
 - Title Sheet
 - Sheet Index
 - General Notes
 - Quantity Summary Sheets
 - Horizontal Alignment Data
 - Survey Control
 - Project Layout Sheets: 1"=500' (limits of the entire project)
 - b. Roadway (44 sheets):
 - Typical Sections Sheets: Existing and proposed typical sections
 - Removal Sheets: 1"=100' double stacked
 - Roadway Plan & Profile Sheets: 1"=100' H and 1"=10' V
 - Driveway Plan & Profiles Sheets: 1" = 50' at two (2) per sheet
 - Cross Section Sheets: 50-foot station intervals
 - Roadway Details
 - Roadway Standards
 - c. Drainage (30 sheets)
 - Offsite Drainage Area Map): 1"=500'
 - Hydrologic Calculations
 - Bridge Hydraulic Calculations
 - Onsite Drainage Area Map: 1"=100'

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- Storm Sewer Hydraulic Calculations
 - Storm Sewer Plan & Profile Sheets: 1"=100' H and 1"=10' V
 - Drainage Details
 - Detention Pond Layouts
 - Detention Pond Details
 - Water Quality Pond Layouts
 - Water Quality Pond Details
 - Drainage Standards
- d. Bridge (7 sheets)
- Bridge Layout
 - Quantities and Bearing Seat Elevations
 - Abutment No. 1
 - Abutment No. 2
 - Girder Layout
 - Concrete Girder Span
 - Non-Standard Girder Design
- e. Traffic Control (6 sheets)
- Traffic Control Plan Narrative Sheet
 - Traffic Control Plan Sheets
 - Traffic Control Plan Standards
- f. Signing and Pavement Marking (6 sheets)
- Signing and Pavement Marking Plan Sheets
 - Signing and Pavement Marking Standards
- g. Erosion Control (8 sheets)
- Stormwater Pollution Prevention Plan Sheet
 - Erosion Control Plan Sheets
 - Erosion Control Standards
- h. Illumination (20 sheets)
- Illumination Plan Sheets
 - Illumination Circuit Diagram
 - Illumination Standard Details
- i. Landscape (24 sheets)
- Landscape Key Map
 - Landscape Layout & Materials Plan Sheets (1"=50') Double Stacked
 - Landscape Planting Sheets (1"=50') Double Stacked
 - Landscape Plant List and Planting Detail Sheets
 - Landscape Specifications Sheets
 -
2. Contract Documents: KFA will prepare a Project Manual including standard general provisions, instructions to bidders, bid forms, applicable prevailing wage rates, specifications, special provisions, and any other information required for complete construction of the Project. The City will provide the front-end documents for use by KFA.

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3. Opinion of Probable Construction Cost: KFA will prepare cost estimates for the project based on available unit bids from the City of Pflugerville, City of Austin, and TxDOT and submit updated estimates at each design phase submittal (30%, 60%, 90%, 100%).
4. Design and Construction Schedule: KFA will prepare a design and construction schedule utilizing the Critical Path Method (CPM) with appropriate software. The schedule will identify the major items of work for construction with durations based on available production rates for those items in calendar days. Design and construction schedules will be submitted at the 30%, 60%, 90%, and 100% submittals.
5. Utility Coordination: KFA will coordinate with the City or their representatives who will handle Utility Coordination.
6. Design Progress Submittals: Draft plans and preliminary cost estimates will be submitted to the City for review at the 30% design level. Draft contract documents will be submitted at 90% design levels. For the final 100% submittal, KFA will provide final signed/sealed plans and contract documents and a final construction cost estimate. An electronic (PDF) version of the plans, contract documents, and cost estimate will be included at each design milestone. Response to comments will be submitted at the 60%, 90%, and 100% design levels. Bluebeam sessions shall be provided to city staff and others as assigned by city staff for the 30%, 60%, 90%, and 100%. Five (5) copies of the printed 11in x 17in plan sets shall be provided at the 100% technical review meeting. Two (2) copies 22" x 34" of the final construction plan set shall be provided to the construction inspectors.
7. Permitting: For purposes of this proposal, it is assumed that the final roadway and utility design will require the following permits:
 - a. TCEQ NPDES: A Contractor and Owner NOI will be prepared in conjunction with the SWPPP plan.
 - b. RAS Services and TDLR Registration:
 - Team will perform the following services in compliance with Chapter 469 of the Texas Government Code, State of Texas Architectural Barriers Act. PROWAG will be used as the standard to determine compliance with TDLR Administrative Rule 68.102.
 - Register the project with TDLR.
 - Perform preliminary and final plan reviews of the project construction documents.
 - Perform a preliminary and the final inspection of the project upon completion.
 - c. Floodplain Development Permit: KFA, with support from Statetech Engineering, LLC will coordinate with the local Floodplain Administrator for the proposed bridge crossing and the appropriate permit will be submitted. In the event the project impacts the effective FEMA floodplain and or floodway, a CLOMR (pre-construction) and LOMR (post-construction) will

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be prepared for the local Floodplain Administrator and submitted to FEMA.

- d. Construction permit from City of Pflugerville: KFA will submit Construction Permit to the City's Development Engineering Division to ensure compliance.

PHASE III – BID PHASE SERVICES (TIME & MATERIALS TASKS)

1. Bid Phase Services: KFA will assist the City of Pflugerville with contract administration during the bid phase of the project.
 - a. Bid Solicitation: KFA will coordinate with the City of Pflugerville to publish the Invitation for Bid and bidding documents on Civcast.
 - b. Pre-Bid Conference: KFA will host the two (2) pre-bid conferences (one (1) at the project site and one (1) on Teams), document any questions and responses provided at the meeting, and issue a follow-up addendum if necessary.
 - c. Addenda Preparation: KFA will interpret plans and specifications and draft addenda, as necessary, for issuance. Two Three (3) addenda have been assumed for budgeting purposes.
 - d. Bid Opening and Review: KFA will attend the public bid opening, tabulate the bids, and perform a review of the bid tabulation and Contractor's qualifications. KFA will issue a Recommendation for Award based on the competitive sealed bid proposal within five (5) business days.
 - e. Contract Award: Following award of the Contract by the City, KFA will assemble the necessary Contract Documents and coordinate with the Contractor and City for execution.
 - f. Conforming Documents: Addenda items will be incorporated into a set of conformed documents. An electronic (PDF) version of the conformed documents will be issued for construction.

The Bid Phase will be considered complete upon the issuance of the contractor's notice to proceed (NTP).

PHASE IV – CONSTRUCTION PHASE SERVICES (TIME & MATERIALS TASKS)

1. Construction Phase Services: KFA will assist the City of Pflugerville with contract administration during the construction phase of the project. We understand the City of Pflugerville will provide required construction inspection services and have assumed that the construction duration will be sixteen (16) months.
 - a. Pre-Construction Conference: KFA will attend a pre-construction conference with the City, Contractor, and other parties as appropriate, and prepare the meeting minutes.

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- b. Progress Meetings and Site Visits: KFA will attend monthly construction meetings with the City, Contractor, and other parties as appropriate, including preparing the meeting minutes. KFA will visit the site and conduct construction meetings approximately twice a month and as needed when construction is in progress to verify that the work is generally in conformance with the plans and specifications. For budgeting purposes, we have assumed forty (40) meetings/site visits.
- c. Submittal Review: KFA will maintain a log of all Contractor submittals, track review progress, review and approve submittals, and distribute submittals to the appropriate parties. For budgeting purposes, we have assumed thirty (30) material and product submittal reviews to ensure the contractor meets required project specifications.
- d. Landscape Plant Material Nursery Selection: Landscape Architect will meet with Landscape Contractor to identify and tag trees and/or other critical plant materials at the Contractor's commercial plant material supplier to ensure specified size and dimensions are met prior to delivery to project site. Two (2) nursery visits are assumed.
- e. Requests for Information: KFA will provide answers to each request for information (RFI) from the Contractor as related to possible conflicts and clarifications needed between plans and specifications. Fifty (50) RFIs have been assumed.
- f. Preparation of Change Orders: KFA will provide answers, sheet revisions, and revisions to anticipated construction costs for Change Order requests from the City. Four (4) change orders (not due to errors & omissions) have been assumed.
- g. Contract Close-out: KFA will attend a project walk-thru, document punch list items, and issue an Engineers Concurrence for Project Acceptance letter. KFA will also notify TCEQ and other jurisdictional agencies of project completion. After project completion KFA will attend a final project walkthrough. Two (2) walkthroughs total.
- h. Record Drawings: KFA will use the Contractor redline as-built drawings to document as-built conditions in the final record drawings. KFA will supply the City of Pflugerville with an electronic (PDF) version of the record documents.
- i. Landscape Maintenance/Plant Establishment Period: Following initial landscape installation acceptance, the Landscape Architect will perform Six (6) monthly inspections to determine if landscape installation is being maintained in an appropriate manner. Landscape Architect will identify and document in a written report any plant material failures requiring replacement, and/or deficiencies including the presence of weeds, trash or other items that require correction. Each report will be delivered to the City, Prime Contractor and Landscape Contractor. Corrective actions noted in the report will need to be acted upon within Ten (10) days of report issuance.

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ASSUMPTIONS MADE FOR THIS PROPOSAL

1. The fee has been developed assuming the project proceeds in a continuous manner with no significant work stoppage.
2. This scope of work assumes local funding only. Any studies, field visits, or other activities requested by CLIENT or other parties that are not included in this proposal are excluded from this scope of work.
3. No utility relocation design is included as part of this work including water and wastewater.
4. Permit review fees, including TDLR and Travis County, will be paid by the City and are not included in this proposal.
5. It is assumed that the existing bridge over Wilbarger Creek will remain, and no improvements will be made to the existing structure.
6. It is assumed that the project will not require retaining walls.
7. The proposal does not include land acquisition costs. The schedule assumed that land acquisition will not require eminent domain.
8. It is assumed a PCN or Individual Permit will not be required for any project for the USACE.
9. The project is in the City limits and does not require Travis County permitting, review, and approval.
10. It is assumed that water quality and detention will not be required for the proposed roadway construction.
11. The Design team will utilize the pavement section provided by the City in the Weiss Ln as-builts.
12. The City is moving away from installation of permanent landscape irrigation systems in lieu of installation of drought tolerant landscape plant materials. As such, landscape watering will still be required for a period of time to ensure plant material establishment. It is assumed that the Contractor will be responsible for regular watering throughout the plant material establishment period.
13. City or their representatives will provide Utility Coordination

EXCLUSIONS MADE FOR THIS PROPOSAL

1. Traffic Study, Traffic Signal Warrants are excluded from the scope.
2. Construction Materials Testing and inspection is not included in this scope.
3. Traffic Signal design is not included with this proposal.
4. Right-of-way and easement acquisition are not included in scope and will be obtained by City.

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5. Geotechnical Pavement Investigation and Design are excluded from this report.
6. Median Landscape Irrigation Plans, Details and Specifications are excluded from this proposal.

ADDITIONAL SERVICES

1. The City and KFA may agree that KFA shall perform services outside the Scope of Services described in this proposal. KFA will submit a written estimate of fees, based on standard rates indicated on the “Compensation Rate Schedule” included as part of the professional Services Agreement contract. KFA will obtain the City’s authorization prior to initiating any Additional Services.

**City of Pflugerville - Weiss Lane
Project Budget**

| 4. Environmental Services | K Friese + Associates, LLC. | HW Lochner | Surveying & Mapping, LLC | Raba Kistner Consultants, Inc | Statetech Engineering, LLC | Total Labor Cost |
|--|-----------------------------|--------------|--------------------------|-------------------------------|----------------------------|--|
| PROJECT MANAGEMENT | | | | | | PM SUBTOTAL = \$ 75,456.00 |
| 1. Overall Project Management (12 Months) | \$ 19,928.00 | \$ 3,200.00 | \$ - | \$ - | \$ - | \$ 23,128.00 |
| 2. City of Pflugerville Progress Meetings (13 Meetings) | \$ 10,852.00 | \$ 1,120.00 | \$ - | \$ - | \$ - | \$ 11,972.00 |
| 2. City of Pflugerville Design Meetings (13 Meetings) | \$ 22,784.00 | \$ 1,120.00 | \$ - | \$ - | \$ - | \$ 23,904.00 |
| 2. City of Pflugerville City Council Meetings (3 Meetings) | \$ 4,332.00 | \$ - | \$ - | \$ - | \$ - | \$ 4,332.00 |
| 3. Public Involvement (2 Meetings) | \$ 11,000.00 | \$ 1,120.00 | \$ - | \$ - | \$ - | \$ 12,120.00 |
| PHASE I - SCHEMATIC (30%) PHASE | | | | | | PHASE I SUBTOTAL = \$ 243,746.00 |
| 1. Design Survey & Right-of-way Services | | | | | | |
| a. Design Survey | \$ 2,080.00 | \$ - | \$ 51,130.00 | \$ - | \$ - | \$ 53,210.00 |
| b. Right of Way Services | \$ 3,940.00 | \$ 560.00 | \$ 28,330.00 | \$ - | \$ - | \$ 32,830.00 |
| 2. Subsurface Utility Engineering | | | | | | |
| a. QL "B" Services | \$ 642.00 | \$ - | \$ - | \$ - | \$ - | \$ 642.00 |
| b. QL "A" Services | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 3. Geotechnical Services | | | | | | |
| a. Field Coordination & Exploration | \$ - | \$ - | \$ - | \$ 8,353.00 | \$ - | \$ 8,353.00 |
| b. Laboratory Assignment | \$ - | \$ - | \$ - | \$ 860.00 | \$ - | \$ 860.00 |
| c. Geotechnical Report & Pavement Design Analysis | \$ 2,536.00 | \$ 1,680.00 | \$ - | \$ 10,827.00 | \$ - | \$ 15,043.00 |
| 4. Environmental Services | | | | | | |
| a. Waters of the US Delineation | \$ 1,536.00 | \$ 560.00 | \$ - | \$ 5,828.00 | \$ - | \$ 7,924.00 |
| b. Rare, Threatened, and Endangered Species Habitat Assess | \$ - | \$ - | \$ - | \$ 5,828.00 | \$ - | \$ 5,828.00 |
| c. Archaeological Background Study | \$ - | \$ - | \$ - | \$ 5,799.00 | \$ - | \$ 5,799.00 |
| d. Phase I Environmental Site Assessment | \$ - | \$ - | \$ - | \$ 5,042.00 | \$ - | \$ 5,042.00 |
| 5. Schematic Development | | | | | | |
| a. Roadway Design | \$ 11,348.00 | \$ 11,755.00 | \$ - | \$ - | \$ - | \$ 23,103.00 |
| b. Hydrologic & Hydraulic Analysis | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| i. Hydrologic Updates | \$ - | \$ - | \$ - | \$ - | \$ 7,440.00 | \$ 7,440.00 |
| ii. Hydraulic Updates | \$ - | \$ - | \$ - | \$ - | \$ 8,710.00 | \$ 8,710.00 |
| c. Drainage Design | \$ 13,504.00 | \$ 3,200.00 | \$ - | \$ - | \$ - | \$ 16,704.00 |
| d. Water Quality Design | \$ 10,160.00 | \$ 12,820.00 | \$ - | \$ - | \$ - | \$ 22,980.00 |
| e. Bridge Design | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| i. Existing Bridge Evaluation | \$ - | \$ 1,620.00 | \$ - | \$ - | \$ - | \$ 1,620.00 |
| f. Deliverables | | | | | | |
| i. 30% Design Roll Plot | \$ 4,372.00 | \$ 1,600.00 | \$ - | \$ - | \$ - | \$ 5,972.00 |
| ii. 30% Design Cross Sections | \$ 4,372.00 | \$ 1,600.00 | \$ - | \$ - | \$ - | \$ 5,972.00 |
| iii. Drainage Technical Memorandum | \$ 3,104.00 | \$ 1,600.00 | \$ - | \$ - | \$ 6,940.00 | \$ 11,644.00 |
| iv. Preliminary Opinion of Probable Construction Cost | \$ 1,210.00 | \$ 2,860.00 | \$ - | \$ - | \$ - | \$ 4,070.00 |
| PHASE II - DESIGN PHASE | | | | | | PHASE II SUBTOTAL = \$ 540,286.00 |
| 1. Plan Preparation | | | | | | |
| a. General | | | | | | \$ - |
| Title Sheet | \$ 1,378.00 | \$ 520.00 | \$ - | \$ - | \$ - | \$ 1,898.00 |
| Index of Sheets | \$ 1,588.00 | \$ - | \$ - | \$ - | \$ - | \$ 1,588.00 |
| General Notes | \$ 1,576.00 | \$ 800.00 | \$ - | \$ - | \$ - | \$ 2,376.00 |
| Quantity Summary Sheets | \$ 1,324.00 | \$ 520.00 | \$ - | \$ - | \$ - | \$ 1,844.00 |
| Horizontal Alignment Data | \$ 1,304.00 | \$ - | \$ - | \$ - | \$ - | \$ 1,304.00 |
| Survey Control Sheet | \$ 1,608.00 | \$ - | \$ - | \$ - | \$ - | \$ 1,608.00 |
| Project Layout Sheet | \$ 3,310.00 | \$ 280.00 | \$ - | \$ - | \$ - | \$ 3,590.00 |
| b. Roadway | | | | | | \$ - |
| Typical Sections | \$ 4,242.00 | \$ 800.00 | \$ - | \$ - | \$ - | \$ 5,042.00 |
| Removal Sheets | \$ 9,308.00 | \$ 1,600.00 | \$ - | \$ - | \$ - | \$ 10,908.00 |
| Roadway Plan & Profiles | \$ 17,256.00 | \$ 17,960.00 | \$ - | \$ - | \$ - | \$ 35,216.00 |

**City of Pflugerville - Weiss Lane
Project Budget**

| 4. Environmental Services | K Friese + Associates, LLC. | HW Lochner | Surveying & Mapping, LLC | Raba Kistner Consultants, Inc | Statetech Engineering, LLC | Total Labor Cost |
|---|------------------------------------|-------------------|-------------------------------------|--------------------------------------|-----------------------------------|-------------------------|
| Driveway Plan & Profile Sheets | \$ 9,572.00 | \$ 12,540.00 | \$ - | \$ - | \$ - | \$ 22,112.00 |
| Cross Section Sheets (50-ft Intervals) | \$ 18,068.00 | \$ 18,260.00 | \$ - | \$ - | \$ - | \$ 36,328.00 |
| Roadway Details | \$ 7,674.00 | \$ 1,080.00 | \$ - | \$ - | \$ - | \$ 8,754.00 |
| Roadway Standards | \$ 3,480.00 | \$ 520.00 | \$ - | \$ - | \$ - | \$ 4,000.00 |
| c. Drainage | | | | | | \$ - |
| Offsite Drainage Area Maps | \$ - | \$ - | \$ - | \$ - | \$ 6,360.00 | \$ 6,360.00 |
| Hydrologic Calculations | \$ - | \$ - | \$ - | \$ - | \$ 5,160.00 | \$ 5,160.00 |
| Bridge Hydraulic Calculations | \$ - | \$ - | \$ - | \$ - | \$ 4,990.00 | \$ 4,990.00 |
| Onsite Drainage Area Maps | \$ 10,334.00 | \$ - | \$ - | \$ - | \$ - | \$ 10,334.00 |
| Storm Sewer Hydraulic Calculations | \$ 2,198.00 | \$ - | \$ - | \$ - | \$ - | \$ 2,198.00 |
| Storm Sewer Plan & Profile Sheets | \$ 28,612.00 | \$ - | \$ - | \$ - | \$ - | \$ 28,612.00 |
| Drainage Details | \$ 7,914.00 | \$ - | \$ - | \$ - | \$ - | \$ 7,914.00 |
| Detention Pond Layouts | \$ 19,240.00 | \$ - | \$ - | \$ - | \$ - | \$ 19,240.00 |
| Detention Pond Details | \$ 8,104.00 | \$ - | \$ - | \$ - | \$ - | \$ 8,104.00 |
| Water Quality Pond Layouts | \$ 19,240.00 | \$ - | \$ - | \$ - | \$ - | \$ 19,240.00 |
| Water Quality Pond Details | \$ 8,104.00 | \$ - | \$ - | \$ - | \$ - | \$ 8,104.00 |
| Drainage Standard | \$ 5,456.00 | \$ - | \$ - | \$ - | \$ - | \$ 5,456.00 |
| d. Bridge | | | | | | \$ - |
| Bridge Layout | \$ - | \$ 15,470.00 | \$ - | \$ - | \$ - | \$ 15,470.00 |
| Quantities and Bearing Seat Elevations | \$ - | \$ 2,880.00 | \$ - | \$ - | \$ - | \$ 2,880.00 |
| Abutment No. 1 | \$ - | \$ 8,460.00 | \$ - | \$ - | \$ - | \$ 8,460.00 |
| Abutment No. 2 | \$ - | \$ 3,920.00 | \$ - | \$ - | \$ - | \$ 3,920.00 |
| Girder Layout | \$ - | \$ 2,590.00 | \$ - | \$ - | \$ - | \$ 2,590.00 |
| Concrete Girder Span | \$ - | \$ 6,870.00 | \$ - | \$ - | \$ - | \$ 6,870.00 |
| Non-Standard Girder Design | \$ - | \$ 10,240.00 | \$ - | \$ - | \$ - | \$ 10,240.00 |
| e. Traffic Control | | | | | | \$ - |
| Traffic Control Plan Narrative | \$ 1,662.00 | \$ 1,080.00 | \$ - | \$ - | \$ - | \$ 2,742.00 |
| Traffic Control Plan Layout Sheets | \$ 6,696.00 | \$ 1,320.00 | \$ - | \$ - | \$ - | \$ 8,016.00 |
| Traffic Control Plan Standards | \$ 1,020.00 | \$ 800.00 | \$ - | \$ - | \$ - | \$ 1,820.00 |
| f. Signing and Pavement Marking | | | | | | \$ - |
| Signing and Pavement Marking Layout Sheets | \$ 8,208.00 | \$ 1,320.00 | \$ - | \$ - | \$ - | \$ 9,528.00 |
| Signing and Pavement Marking Standards | \$ 2,040.00 | \$ 800.00 | \$ - | \$ - | \$ - | \$ 2,840.00 |
| g. Erosion Control | | | | | | \$ - |
| Stormwater Pollution Prevention Plan | \$ 3,964.00 | \$ 1,320.00 | \$ - | \$ - | \$ - | \$ 5,284.00 |
| Erosion Control Plan Sheets | \$ 7,348.00 | \$ 1,320.00 | \$ - | \$ - | \$ - | \$ 8,668.00 |
| Erosion Control Standards | \$ 2,996.00 | \$ 800.00 | \$ - | \$ - | \$ - | \$ 3,796.00 |
| h. Illumination | | | | | | \$ - |
| Illumination Plan Sheets | \$ 3,124.00 | \$ 10,020.00 | \$ - | \$ - | \$ - | \$ 13,144.00 |
| Illumination Circuit Diagram | \$ 6,508.00 | \$ 6,140.00 | \$ - | \$ - | \$ - | \$ 12,648.00 |
| Illumination Standard Details | \$ 2,040.00 | \$ 5,480.00 | \$ - | \$ - | \$ - | \$ 7,520.00 |
| i. Landscape Architecture | | | | | | \$ - |
| Landscape Key Map | \$ 4,934.00 | \$ 560.00 | \$ - | \$ - | \$ - | \$ 5,494.00 |
| Landscape Material and Layout Sheets | \$ 4,512.00 | \$ 1,320.00 | \$ - | \$ - | \$ - | \$ 5,832.00 |
| Landscape Material and Layout Sheets | \$ 6,552.00 | \$ 1,060.00 | \$ - | \$ - | \$ - | \$ 7,612.00 |
| Landscape Planting Sheets | \$ 8,648.00 | \$ 1,680.00 | \$ - | \$ - | \$ - | \$ 10,328.00 |
| Landscape Master Plant List, Details and Specifications | \$ 16,660.00 | \$ 5,400.00 | \$ - | \$ - | \$ - | \$ 22,060.00 |
| 2. Contract Documents | \$ 4,934.00 | \$ 560.00 | \$ - | \$ - | \$ - | \$ 5,494.00 |
| 3. Opinion of Probable Construction Cost | \$ 4,512.00 | \$ 1,320.00 | \$ - | \$ - | \$ - | \$ 5,832.00 |
| 4. Design and Construction Schedule | \$ 6,552.00 | \$ 1,060.00 | \$ - | \$ - | \$ - | \$ 7,612.00 |
| 5. Utility Coordination | \$ 8,648.00 | \$ 1,680.00 | \$ - | \$ - | \$ - | \$ 10,328.00 |
| 6. Design Progress Submittals | \$ 16,660.00 | \$ 5,400.00 | \$ - | \$ - | \$ - | \$ 22,060.00 |

**City of Pflugerville - Weiss Lane
Project Budget**

| 4. Environmental Services | K Friese + Associates, LLC. | HW Lochner | Surveying & Mapping, LLC | Raba Kistner Consultants, Inc | Statetech Engineering, LLC | Total Labor Cost |
|--|------------------------------------|----------------------|-------------------------------------|--------------------------------------|-----------------------------------|-------------------------|
| 7. Permitting | | | | | | \$ - |
| a. TCEQ NPDES | \$ 2,428.00 | \$ 280.00 | \$ - | \$ - | \$ - | \$ 2,708.00 |
| b. TDLR Review Submittal | \$ 8,648.00 | \$ 560.00 | \$ - | \$ - | \$ - | \$ 9,208.00 |
| c. Floodplain Development | \$ 3,824.00 | \$ 1,120.00 | \$ - | \$ - | \$ 1,505.00 | \$ 6,449.00 |
| d. FEMA CLOMR/LOMR | \$ 8,996.00 | \$ 1,120.00 | \$ - | \$ - | \$ 14,980.00 | \$ 25,096.00 |
| e. City Construction Permit | \$ 3,672.00 | \$ 280.00 | \$ - | \$ - | \$ 1,505.00 | \$ 5,457.00 |
| PHASE III - BID PHASE SERVICES (TIME & MATERIALS) | | | | | PHASE III SUBTOTAL = | \$ 26,615.00 |
| 1. Bid and Award Phase Services | | | | | | \$ - |
| a. Bid Solicitation | \$ 1,321.00 | \$ - | \$ - | \$ - | \$ - | \$ 1,321.00 |
| b. Pre-Bid Conference (2 meetings) | \$ 3,576.00 | \$ 560.00 | \$ - | \$ - | \$ - | \$ 4,136.00 |
| c. Addenda Preparation (3 addendas) | \$ 14,664.00 | \$ 560.00 | \$ - | \$ - | \$ - | \$ 15,224.00 |
| d. Bid Opening and Review (1 meeting) | \$ 1,614.00 | \$ - | \$ - | \$ - | \$ - | \$ 1,614.00 |
| e. Contract Award | \$ 1,614.00 | \$ - | \$ - | \$ - | \$ - | \$ 1,614.00 |
| f. Conforming Documents | \$ 2,706.00 | \$ - | \$ - | \$ - | \$ - | \$ 2,706.00 |
| PHASE IV - CONSTRUCTION PHASE SERVICES (TIME & MATERIALS) | | | | | PHASE IV SUBTOTAL = | \$ 122,068.00 |
| 1. Construction Phase Services | | | | | | |
| a. Pre-Construction Conference (1 meeting) | \$ 2,072.00 | \$ 560.00 | \$ - | \$ - | \$ - | \$ 2,632.00 |
| b. Progress Meetings and Site Visits (40 meetings/visits) | \$ 25,864.00 | \$ 3,360.00 | \$ - | \$ - | \$ - | \$ 29,224.00 |
| c. Submittal Reviews (30 reviews) | \$ 8,772.00 | \$ 280.00 | \$ - | \$ - | \$ - | \$ 9,052.00 |
| d. RFI Response (50 responses) | \$ 23,184.00 | \$ 2,240.00 | \$ - | \$ - | \$ - | \$ 25,424.00 |
| e. Preparation of Change Orders (4 change orders) | \$ 12,664.00 | \$ 1,120.00 | \$ - | \$ - | \$ - | \$ 13,784.00 |
| f. Landscape Maintenance Period Inspections | \$ 10,478.00 | \$ 13,880.00 | \$ - | \$ - | \$ - | \$ 24,358.00 |
| g. Contract Closeout | \$ 10,478.00 | \$ 1,120.00 | \$ - | \$ - | \$ - | \$ 11,598.00 |
| h. Record Drawings | \$ 5,716.00 | \$ 280.00 | \$ - | \$ - | \$ - | \$ 5,996.00 |
| TIME & MATERIALS LABOR COST | \$ 599,099.00 | \$ 229,485.00 | \$ 79,460.00 | \$ 42,537.00 | \$ 57,590.00 | \$ 1,008,171.00 |
| TIME & MATERIALS EXPENSES | \$ 2,330.00 | \$ - | \$ 7,959.70 | \$ 26,259.00 | \$ - | \$ 36,548.70 |
| TOTAL BASE COST | \$ 601,429.00 | \$ 229,485.00 | \$ 87,419.70 | \$ 68,796.00 | \$ 57,590.00 | \$ 1,044,719.70 |
| ADDITIONAL SERVICES | | | | \$ 11,969.00 | | \$ 11,969.00 |
| TOTAL PROJECT COST | \$ 601,429.00 | \$ 229,485.00 | \$ 87,419.70 | \$ 80,765.00 | \$ 57,590.00 | \$ 1,056,688.70 |

City of Pflugerville - Weiss Lane
Project Budget

| TASK | Hourly Rate: | SHEETS/ UNITS | PRINCIPAL \$ 336.00 | PROJECT MANAGER \$268.00 | SENIOR ENGINEER \$210.00 | ENGINEER \$179.00 | EIT \$142.00 | SEN. ENGR. TECH. \$189.00 | SEN. GIS TECH. \$168.00 | ADMIN \$95.00 | Sub Total Hours | KFA Labor Cost |
|--|--------------|------------------|------------------------|--------------------------------|--------------------------------|----------------------|-----------------|---------------------------------|-------------------------------|------------------|----------------------------|----------------------|
| K Friese + Associates, LLC. | | | | | | | | | | | | |
| Hours | | | | | | | | | | | | |
| PROJECT MANAGEMENT | | | | | | | | | | | PM SUBTOTAL = | \$ 68,896.00 |
| 1. Overall Project Management (12 Months) | | 12 | | 42 | 12 | 28 | | | | 12 | 94 | \$ 19,928.00 |
| 2. City of Pflugerville Progress Meetings (13 Meetings) | | 12 | | 24 | | 12 | 16 | | | | 52 | \$ 10,852.00 |
| 2. City of Pflugerville Design Meetings (13 Meetings) | | 5 | | 36 | | 48 | 32 | | | | 116 | \$ 22,784.00 |
| 2. City of Pflugerville City Council Meetings (3 Meetings) | | 3 | 1 | 8 | | 4 | 8 | | | | 21 | \$ 4,332.00 |
| 3. Public Involvement (2 Meetings) | | 2 | 1 | 12 | | 12 | 24 | 8 | | 4 | 61 | \$ 11,000.00 |
| PHASE I - SCHEMATIC (30%) PHASE | | | | | | | | | | | PHASE I SUBTOTAL = | \$ 58,804.00 |
| 1. Design Survey & Right-of-way Services | | | | | | | | | | | 0 | \$ - |
| a. Design Survey | | | | | | | 4 | 8 | | | 12.0 | \$ 2,080.00 |
| b. Right of Way Services | | | | 2 | | | 8 | 12 | | | 22.0 | \$ 3,940.00 |
| 2. Subsurface Utility Engineering | | | | | | | | | | | | \$ - |
| a. QL "B" Services | | | | | 2 | | 2 | | | | 4 | \$ 642.00 |
| b. QL "A" Services | | | | | | | | | | | 0 | \$ - |
| 3. Geotechnical Services | | | | | | | | | | | | \$ - |
| a. Field Coordination & Exploration | | | | | | | | | | | 0 | \$ - |
| b. Laboratory Assignment | | | | | | | | | | | 0 | \$ - |
| c. Geotechnical Report & Pavement Design Analysis | | | | 2 | | 8 | 4 | | | | 14 | \$ 2,536.00 |
| 4. Environmental Services | | | | | | | | | | | | \$ - |
| a. Waters of the US Delineation | | | | 2 | | 4 | 2 | | | | 8 | \$ 1,536.00 |
| b. Rare, Threatened, and Endangered Species Habitat Assess | | | | | | | | | | | 0 | \$ - |
| c. Archaeological Background Study | | | | | | | | | | | 0 | \$ - |
| d. Phase I Environmental Site Assessment | | | | | | | | | | | 0 | \$ - |
| 5. Schematic Development | | | | | | | | | | | | \$ - |
| a. Roadway Design | | | 1 | 2 | 8 | 20 | 32 | | 4 | | 67 | \$ 11,348.00 |
| b. Hydrologic & Hydraulic Analysis | | | | | | | | | | | | \$ - |
| i. Hydrologic Updates | | | | | | | | | | | 0 | \$ - |
| ii. Hydraulic Updates | | | | | | | | | | | 0 | \$ - |
| c. Drainage Design | | | | 8 | 12 | 24 | 32 | | | | 76 | \$ 13,504.00 |
| d. Water Quality Design | | | | 4 | 8 | 16 | 32 | | | | 60 | \$ 10,160.00 |
| e. Bridge Design | | | | | | | | | | | 0 | \$ - |
| i. Existing Bridge Evaluation | | | | | | | | | | | 0 | \$ - |
| f. Deliverables | | | | | | | | | | | | \$ - |
| i. 30% Design Roll Plot | | | | 2 | | 4 | 6 | 12 | | | 24 | \$ 4,372.00 |
| ii. 30% Design Cross Sections | | | | 2 | | 4 | 6 | 12 | | | 24 | \$ 4,372.00 |
| iii. Drainage Technical Memorandum | | | | 2 | | 8 | 8 | | | | 18 | \$ 3,104.00 |
| iv. Preliminary Opinion of Probable Construction Cost | | | | | | 2 | 6 | | | | 8 | \$ 1,210.00 |
| PHASE II - DESIGN PHASE | | | | | | | | | | | PHASE II SUBTOTAL = | \$ 310,658.00 |
| 1. Plan Preparation | | | | | | | | | | | | \$ - |
| a. General | | | | | | | | | | | | \$ - |
| Title Sheet | | 1 | | | | 4 | 2 | 2 | | | 8 | \$ 1,378.00 |
| Index of Sheets | | 1 | | | | 2 | 6 | 2 | | | 10 | \$ 1,588.00 |
| General Notes | | 5 | | 2 | | | 2 | 4 | | | 8 | \$ 1,576.00 |
| Quantity Summary Sheets | | 6 | | | | | 4 | 4 | | | 8 | \$ 1,324.00 |
| Horizontal Alignment Data | | 1 | | | | 2 | 4 | 2 | | | 8 | \$ 1,304.00 |
| Survey Control Sheet | | 1 | | | | | 6 | 4 | | | 10 | \$ 1,608.00 |
| Project Layout Sheet | | 1 | | 2 | | 2 | 4 | 8 | 2 | | 18 | \$ 3,310.00 |
| b. Roadway | | | | | | | | | | | | \$ - |
| Typical Sections | | 2 | | 1 | 2 | 4 | 12 | 6 | | | 25 | \$ 4,242.00 |
| Removal Sheets | | 2 | | 2 | 4 | 20 | 20 | 8 | | | 54 | \$ 9,308.00 |
| Roadway Plan & Profiles | | 3 | | 4 | 8 | 24 | 8 | 48 | | | 92 | \$ 17,256.00 |
| Driveway Plan & Profile Sheets | | 4 | | 2 | 4 | 12 | | 32 | | | 50 | \$ 9,572.00 |
| Cross Section Sheets (50-ft Intervals) | | 20 | | 8 | 8 | 12 | | 64 | | | 92 | \$ 18,068.00 |
| Roadway Details | | 6 | | | 2 | 12 | 12 | 18 | | | 44 | \$ 7,674.00 |
| Roadway Standards | | 6 | | | 2 | 6 | 6 | 6 | | | 20 | \$ 3,480.00 |
| c. Drainage | | | | | | | | | | | | \$ - |
| Offsite Drainage Area Maps | | 1 | | | | | | | | | 0 | \$ - |
| Hydrologic Calculations | | 1 | | | | | | | | | 0 | \$ - |
| Bridge Hydraulic Calculations | | 1 | | | | | | | | | 0 | \$ - |
| Onsite Drainage Area Maps | | 3 | | 2 | 4 | 12 | 24 | 18 | | | 60 | \$ 10,334.00 |

City of Pflugerville - Weiss Lane
Project Budget

| TASK | Hourly Rate: | SHEETS/ UNITS | PRINCIPAL | PROJECT | SENIOR | ENGINEER | EIT | SEN. ENGR. | SEN. GIS | ADMIN | Sub Total Hours | KFA Labor Cost |
|--|--------------|------------------|-----------|----------|----------|----------|----------|------------|----------|---------|-----------------------------|---------------------|
| | | | \$ 336.00 | \$268.00 | \$210.00 | \$179.00 | \$142.00 | \$189.00 | \$168.00 | \$95.00 | | |
| K Friese + Associates, LLC. | | | | | | | | | | | | |
| Hours | | | | | | | | | | | | |
| Storm Sewer Hydraulic Calculations | | 1 | | 2 | | 4 | 4 | 2 | | | 12 | \$ 2,198.00 |
| Storm Sewer Plan & Profile Sheets | | 5 | | 4 | 8 | 24 | 72 | 60 | | | 168 | \$ 28,612.00 |
| Drainage Details | | 4 | | 2 | 4 | 8 | 12 | 18 | | | 44 | \$ 7,914.00 |
| Detention Pond Layouts | | 2 | | 4 | 12 | 24 | 48 | 24 | | | 112 | \$ 19,240.00 |
| Detention Pond Details | | 1 | | 2 | 4 | 8 | 16 | 16 | | | 46 | \$ 8,104.00 |
| Water Quality Pond Layouts | | 2 | | 4 | 12 | 24 | 48 | 24 | | | 112 | \$ 19,240.00 |
| Water Quality Pond Details | | 1 | | 2 | 4 | 8 | 16 | 16 | | | 46 | \$ 8,104.00 |
| Drainage Standard | | 8 | | 2 | 4 | 8 | 8 | 8 | | | 30 | \$ 5,456.00 |
| d. Bridge | | | | | | | | | | | | |
| Bridge Layout | | 1 | | | | | | | | | 0 | \$ - |
| Quantities and Bearing Seat Elevations | | 1 | | | | | | | | | 0 | \$ - |
| Abutment No. 1 | | 1 | | | | | | | | | 0 | \$ - |
| Abutment No. 2 | | 1 | | | | | | | | | 0 | \$ - |
| Girder Layout | | 1 | | | | | | | | | 0 | \$ - |
| Concrete Girder Span | | 1 | | | | | | | | | 0 | \$ - |
| Non-Standard Girder Design | | 1 | | | | | | | | | 0 | \$ - |
| e. Traffic Control | | | | | | | | | | | | |
| Traffic Control Plan Narrative | | 1 | | | | 4 | 4 | 2 | | | 10 | \$ 1,662.00 |
| Traffic Control Plan Layout Sheets | | 2 | | 2 | | 8 | 12 | 16 | | | 38 | \$ 6,696.00 |
| Traffic Control Plan Standards | | 3 | | | | 2 | 2 | 2 | | | 6 | \$ 1,020.00 |
| f. Signing and Pavement Marking | | | | | | | | | | | | |
| Signing and Pavement Marking Layout Sheets | | 3 | | 2 | | 8 | 12 | 24 | | | 46 | \$ 8,208.00 |
| Signing and Pavement Marking Standards | | 3 | | | | 4 | 4 | 4 | | | 12 | \$ 2,040.00 |
| g. Erosion Control | | | | | | | | | | | | |
| Stormwater Pollution Prevention Plan | | 1 | | 2 | 4 | 6 | 8 | 2 | | | 22 | \$ 3,964.00 |
| Erosion Control Plan Sheets | | 3 | | 2 | 4 | 8 | 16 | 12 | | | 42 | \$ 7,348.00 |
| Erosion Control Standards | | 4 | | 2 | 2 | 4 | 4 | 4 | | | 16 | \$ 2,996.00 |
| h. Illumination | | | | | | | | | | | | |
| Illumination Plan Sheets | | | | 2 | | 6 | 8 | 2 | | | 18 | \$ 3,124.00 |
| Illumination Circuit Diagram | | | | 2 | | 8 | 16 | 12 | | | 38 | \$ 6,508.00 |
| Illumination Standard Details | | | | | | 4 | 4 | 4 | | | 12 | \$ 2,040.00 |
| i. Landscape Architecture | | | | | | | | | | | 0 | \$ - |
| Landscape Key Map | | | | | | | | | | | 0 | \$ - |
| Landscape Material and Layout Sheets | | | | 2 | | 8 | | 6 | | | 16 | \$ 3,102.00 |
| Landscape Planting Sheets | | | | 4 | | 2 | | 4 | | | 10 | \$ 2,186.00 |
| Landscape Master Plant List, Details and Specifications | | | | | | | | | | | 0 | \$ - |
| 2. Contract Documents | | | 1 | 2 | | 10 | 16 | | | | 29 | \$ 4,934.00 |
| 3. Opinion of Probable Construction Cost | | | | 2 | 4 | 8 | 12 | | | | 26 | \$ 4,512.00 |
| 4. Design and Construction Schedule | | | 1 | 2 | 6 | 12 | 16 | | | | 37 | \$ 6,552.00 |
| 5. Utility Coordination | | | | 12 | | 24 | 8 | | | | 44 | \$ 8,648.00 |
| 6. Design Progress Submittals | | | | 8 | 12 | 12 | 32 | 16 | | 24 | 104 | \$ 16,660.00 |
| 7. Permitting | | | | | | | | | | | | |
| a. TCEQ NPDES | | | | 2 | 4 | 4 | | | 2 | | 12 | \$ 2,428.00 |
| b. TDLR Review Submittal | | | | 4 | | | 48 | | | 8 | 60 | \$ 8,648.00 |
| c. Floodplain Development | | | | 8 | 8 | | | | | | 16 | \$ 3,824.00 |
| d. FEMA CLOMR/LOMR | | | | 8 | | 24 | 18 | | | | 50 | \$ 8,996.00 |
| e. City Construction Permit | | | | 2 | | 8 | 12 | | | | 22 | \$ 3,672.00 |
| PHASE III - BID PHASE SERVICES (TIME & MATERIALS) | | | | | | | | | | | PHASE III SUBTOTAL = | \$ 25,495.00 |
| 1. Bid and Award Phase Services | | | | | | | | | | | | |
| a. Bid Solicitation | | 1 | | 1 | 1 | 1 | 2 | | | 4 | 9 | \$ 1,321.00 |
| b. Pre-Bid Conference (2 meetings) | | 2 | | 8 | | 8 | | | | | 16 | \$ 3,576.00 |
| c. Addenda Preparation (3 addendas) | | 3 | | 6 | 6 | 12 | 36 | 24 | | | 84 | \$ 14,664.00 |
| d. Bid Opening and Review (1 meeting) | | 1 | | 1 | 2 | 2 | 4 | | | | 9 | \$ 1,614.00 |
| e. Contract Award | | 1 | | 1 | 2 | 2 | 4 | | | | 9 | \$ 1,614.00 |
| f. Conforming Documents | | 1 | | 1 | | 2 | 4 | 8 | | | 15 | \$ 2,706.00 |
| PHASE IV - CONSTRUCTION PHASE SERVICES (TIME & MATERIALS) | | | | | | | | | | | PHASE IV SUBTOTAL = | \$ 91,966.00 |
| 1. Construction Phase Services | | | | | | | | | | | | |
| a. Pre-Construction Conference (1 meeting) | | 1 | | 4 | | 4 | 2 | | | | 10 | \$ 2,072.00 |

**City of Pflugerville - Weiss Lane
Project Budget**

| TASK Hourly Rate: | SHEETS/ UNITS | PRINCIPAL | PROJECT MANAGER | SENIOR ENGINEER | ENGINEER | EIT | SEN. ENGR. TECH. | SEN. GIS TECH. | ADMIN | Sub Total Hours | KFA Labor Cost |
|---|------------------|-----------------|--------------------|--------------------|-------------------|-------------------|---------------------|-------------------|-----------------|---|----------------------|
| | | \$ 336.00 | \$268.00 | \$210.00 | \$179.00 | \$142.00 | \$189.00 | \$168.00 | \$95.00 | | |
| K Friese + Associates, LLC. | | | | | | | | | | | |
| Hours | | | | | | | | | | | |
| b. Progress Meetings and Site Visits (40 meetings/visits) | 40 | | 24 | | 80 | 36 | | | | 140 | \$ 25,864.00 |
| c. Submittal Reviews (30 reviews) | 30 | | 2 | 12 | 24 | 10 | | | | 48 | \$ 8,772.00 |
| d. RFI Response (50 responses) | 50 | | 16 | | 40 | 72 | 8 | | | 136 | \$ 23,184.00 |
| e. Preparation of Change Orders (4 change orders) | 4 | | 8 | 8 | 24 | 16 | 8 | | 8 | 72 | \$ 12,664.00 |
| f. Landscape Maintenance Period Inspections | | | 12 | | | | | | | 12 | \$ 3,216.00 |
| g. Contract Closeout | 2 | | 8 | | 18 | 36 | | | | 62 | \$ 10,478.00 |
| h. Record Drawings | 1 | | 2 | | 2 | 6 | 20 | | 2 | 32 | \$ 5,716.00 |
| TOTALS HOURS: | 116 | 5 | 357 | 197 | 809 | 1036 | 624 | 8 | 62 | Row Total = 3,098 Column Total = 3,098 | |
| LABOR COST: | | \$ 1,680 | \$ 95,676 | \$ 41,370 | \$ 144,811 | \$ 147,112 | \$ 117,936 | \$ 1,344 | \$ 5,890 | | \$ 555,819.00 |
| | | 0.2% | 11.5% | 6.4% | 26.1% | 33.4% | 20.1% | 0.3% | 2.0% | | \$ 555,819.00 |

| TIME AND MATERIALS EXPENSES: | | | | |
|------------------------------|------|--------|----------|----------------------|
| Travel: | | | | |
| Mileage | 1500 | miles | \$0.67 | \$1,005.00 |
| Copies: | | | | |
| Reproduction | 1000 | copies | \$0.20 | \$200.00 |
| Media (mylar) | | sheets | \$1.50 | \$0.00 |
| 11x17 plans (B/W) | 3250 | sheets | \$0.20 | \$650.00 |
| 22x34 plans (B'W) | 750 | sheets | \$0.40 | \$300.00 |
| Misc Expenses: | | | | |
| TDLR Registration Fee | 1 | each | \$175.00 | \$175.00 |
| Express delivery | | each | \$30.00 | \$0.00 |
| TOTAL EXPENSES: | | | | \$ 2,330.00 |
| TOTAL KFA COST: | | | | \$ 558,149.00 |

**City of Pflugerville - Weiss Lane
Project Budget**

| TASK | Hourly Rate: | SHEETS/ UNITS | PRINCIPAL | PROJECT | SENIOR | SENIOR | SENIOR | ENGINEER | EIT | SR. ENGR. | ADMIN | Sub Total Hours | HWL Labor Cost |
|--|--------------|------------------|-----------|----------|--------------------------------|----------------------|-----------------------|----------------------|-------------------|-------------------|----------|----------------------------|----------------------|
| | | | \$ 331.00 | \$280.00 | BRIDGE ENGINEER \$210.00 | ENGINEER \$260.00 | ARCHITECT \$265.00 | ENGINEER \$195.00 | Hours \$145.00 | TECH. \$171.00 | \$110.00 | | |
| HW Lochner | | | | | | | | | | | | | |
| PROJECT MANAGEMENT | | | | | | | | | | | | | |
| | | | | | | | | | | | | PM SUBTOTAL = | \$ 6,560.00 |
| 1. Overall Project Management (12 Months) | | 12 | | 4 | | | 8 | | | | | 12 | \$ 3,200.00 |
| 2. City of Pflugerville Progress Meetings (13 Meetings) | | 4 | | 4 | | | | | | | | 4 | \$ 1,120.00 |
| 2. City of Pflugerville Design Meetings (13 Meetings) | | 4 | | 4 | | | | | | | | 4 | \$ 1,120.00 |
| 2. City of Pflugerville City Council Meetings (3 Meetings) | | 4 | | | | | | | | | | 0 | \$ - |
| 3. Public Involvement (2 Meetings) | | 2 | | 4 | | | | | | | | 4 | \$ 1,120.00 |
| PHASE I - SCHEMATIC (30%) PHASE | | | | | | | | | | | | PHASE I SUBTOTAL = | \$ 39,855.00 |
| 1. Design Survey & Right-of-way Services | | | | | | | | | | | | 0 | \$ - |
| a. Design Survey | | | | | | | | | | | | 0 | \$ - |
| b. Right of Way Services | | | | 2 | | | | | | | | 2 | \$ 560.00 |
| 2. Subsurface Utility Engineering | | | | | | | | | | | | 0 | \$ - |
| a. QL "B" Services | | | | | | | | | | | | 0 | \$ - |
| b. QL "A" Services | | | | | | | | | | | | 0 | \$ - |
| 3. Geotechnical Services | | | | | | | | | | | | 0 | \$ - |
| a. Field Coordination & Exploration | | | | | | | | | | | | 0 | \$ - |
| b. Laboratory Assignment | | | | | | | | | | | | 0 | \$ - |
| c. Geotechnical Report & Pavement Design Analysis | | | | 6 | | | | | | | | 6 | \$ 1,680.00 |
| 4. Environmental Services | | | | | | | | | | | | 0 | \$ - |
| a. Waters of the US Delineation | | | | 2 | | | | | | | | 2 | \$ 560.00 |
| b. Rare, Threatened, and Endangered Species Habitat Assess | | | | | | | | | | | | 0 | \$ - |
| c. Archaeological Background Study | | | | | | | | | | | | 0 | \$ - |
| d. Phase I Environmental Site Assessment | | | | | | | | | | | | 0 | \$ - |
| 5. Schematic Development | | | | | | | | | | | | 0 | \$ - |
| a. Roadway Design | | | | 1 | 8 | 8 | | 18 | 29 | | | 64 | \$ 11,755.00 |
| b. Hydrologic & Hydraulic Analysis | | | | | | | | | | | | 0 | \$ - |
| i. Hydrologic Updates | | | | | | | | | | | | 0 | \$ - |
| ii. Hydraulic Updates | | | | | | | | | | | | 0 | \$ - |
| c. Drainage Design | | | | 4 | | 8 | | | | | | 12 | \$ 3,200.00 |
| d. Water Quality Design | | | | 2 | 14 | 4 | | 16 | 12 | 20 | | 68 | \$ 12,820.00 |
| e. Bridge Design | | | | | | | | | | | | 0 | \$ - |
| i. Existing Bridge Evaluation | | | | | 4 | | | 4 | | | | 8 | \$ 1,620.00 |
| f. Deliverables | | | | | | | | | | | | 0 | \$ - |
| i. 30% Design Roll Plot | | | | 2 | | 4 | | | | | | 6 | \$ 1,600.00 |
| ii. 30% Design Cross Sections | | | | 2 | | 4 | | | | | | 6 | \$ 1,600.00 |
| iii. Drainage Technical Memorandum | | | | 2 | | 4 | | | | | | 6 | \$ 1,600.00 |
| iv. Preliminary Opinion of Probable Construction Cost | | | | 2 | | 4 | | 2 | 6 | | | 14 | \$ 2,860.00 |
| PHASE II - DESIGN PHASE | | | | | | | | | | | | PHASE II SUBTOTAL = | \$ 188,832.00 |
| 1. Plan Preparation | | 0 | | | | | | | | | | 0 | \$ - |
| a. General | | | | | | | | | | | | 0 | \$ - |
| Title Sheet | | 1 | | | | 2 | | | | | | 2 | \$ 520.00 |
| Index of Sheets | | 1 | | | | | | | | | | 0 | \$ - |
| General Notes | | 5 | | 1 | | 2 | | | | | | 3 | \$ 800.00 |
| Quantity Summary Sheets | | 6 | | | | 2 | | | | | | 2 | \$ 520.00 |
| Horizontal Alignment Data | | 1 | | | | | | | | | | 0 | \$ - |
| Survey Control Sheet | | 1 | | | | | | | | | | 0 | \$ - |
| Project Layout Sheet | | 1 | | 1 | | | | | | | | 1 | \$ 280.00 |
| b. Roadway | | | | | | | | | | | | 0 | \$ - |
| Typical Sections | | 2 | | 1 | | 2 | | | | | | 3 | \$ 800.00 |
| Removal Sheets | | 3 | | 2 | | 4 | | | | | | 6 | \$ 1,600.00 |
| Roadway Plan & Profiles | | 3 | | 10 | | 18 | | 24 | 40 | | | 92 | \$ 17,960.00 |
| Driveway Plan & Profile Sheets | | 4 | | 8 | | 12 | | 16 | 28 | | | 64 | \$ 12,540.00 |
| Cross Section Sheets (50-ft Intervals) | | 20 | | 2 | | 24 | | 32 | 36 | | | 94 | \$ 18,260.00 |
| Roadway Details | | 6 | | 2 | | 2 | | | | | | 4 | \$ 1,080.00 |
| Roadway Standards | | 6 | | | | 2 | | | | | | 2 | \$ 520.00 |
| c. Drainage | | | | | | | | | | | | 0 | \$ - |
| Offsite Drainage Area Maps | | 1 | | | | | | | | | | 0 | \$ - |
| Hydrologic Calculations | | 1 | | | | | | | | | | 0 | \$ - |
| Bridge Hydraulic Calculations | | 1 | | | | | | | | | | 0 | \$ - |

City of Pflugerville - Weiss Lane
Project Budget

| TASK | Hourly Rate: | SHEETS/ UNITS | PRINCIPAL \$ 331.00 | PROJECT MANAGER \$280.00 | SENIOR BRIDGE ENGINEER \$210.00 | SENIOR ENGINEER \$260.00 | SENIOR LANDSCAPE ARCHITECT \$265.00 | ENGINEER \$195.00 | EIT \$145.00 | SR. ENGR. TECH. \$171.00 | ADMIN \$110.00 | Sub Total Hours | HWL Labor Cost |
|--|--------------|------------------|------------------------|--------------------------------|--|--------------------------------|--|----------------------|-----------------|--------------------------------|-------------------|-----------------------------|---------------------|
| HW Lochner | | | | | | | | | | | | | |
| Onsite Drainage Area Maps | | 6 | | | | | | | | | | 0 | \$ - |
| Storm Sewer Hydraulic Calculations | | 1 | | | | | | | | | | 0 | \$ - |
| Storm Sewer Plan & Profile Sheets | | 6 | | | | | | | | | | 0 | \$ - |
| Drainage Details | | 4 | | | | | | | | | | 0 | \$ - |
| Detention Pond Layouts | | | | | | | | | | | | 0 | \$ - |
| Detention Pond Details | | | | | | | | | | | | 0 | \$ - |
| Water Quality Pond Layouts | | | | | | | | | | | | 0 | \$ - |
| Water Quality Pond Details | | | | | | | | | | | | 0 | \$ - |
| Drainage Standard | | 20 | | | | | | | | | | 0 | \$ - |
| d. Bridge | | | | | | | | | | | | | |
| Bridge Layout | | 1 | | | 10 | 26 | | 22 | 16 | | | 74 | \$ 15,470.00 |
| Quantities and Bearing Seat Elevations | | 1 | | | 2 | 2 | | 4 | 8 | | | 16 | \$ 2,880.00 |
| Abutment No. 1 | | 1 | | | 2 | 16 | | 8 | 16 | | | 42 | \$ 8,460.00 |
| Abutment No. 2 | | 1 | | | 2 | 6 | | 4 | 8 | | | 20 | \$ 3,920.00 |
| Girder Layout | | 1 | | | 2 | 2 | | 4 | 6 | | | 14 | \$ 2,590.00 |
| Concrete Girder Span | | 1 | | | 4 | 12 | | 6 | 12 | | | 34 | \$ 6,870.00 |
| Non-Standard Girder Design | | 1 | | | 8 | 12 | | 16 | 16 | | | 52 | \$ 10,240.00 |
| e. Traffic Control | | | | | | | | | | | | | |
| Traffic Control Plan Narrative | | 1 | | 2 | | 2 | | | | | | 4 | \$ 1,080.00 |
| Traffic Control Plan Layout Sheets | | 6 | | 1 | | 4 | | | | | | 5 | \$ 1,320.00 |
| Traffic Control Plan Standards | | 5 | | 1 | | 2 | | | | | | 3 | \$ 800.00 |
| f. Signing and Pavement Marking | | | | | | | | | | | | | |
| Signing and Pavement Marking Layout Sheets | | 6 | | 1 | | 4 | | | | | | 5 | \$ 1,320.00 |
| Signing and Pavement Marking Standards | | 6 | | 1 | | 2 | | | | | | 3 | \$ 800.00 |
| g. Erosion Control | | | | | | | | | | | | | |
| Stormwater Pollution Prevention Plan | | 1 | | 1 | | 4 | | | | | | 5 | \$ 1,320.00 |
| Erosion Control Plan Sheets | | 6 | | 1 | | 4 | | | | | | 5 | \$ 1,320.00 |
| Erosion Control Standards | | 5 | | 1 | | 2 | | | | | | 3 | \$ 800.00 |
| h. Illumination | | | | | | | | | | | | | |
| Illumination Plan Sheets | | | | 2 | | 8 | | 20 | 24 | | | 54 | \$ 10,020.00 |
| Illumination Circuit Diagram | | | | 2 | | 8 | | 12 | 8 | | | 30 | \$ 6,140.00 |
| Illumination Standard Details | | | | 2 | | 4 | | 8 | 16 | | | 30 | \$ 5,480.00 |
| i. Landscape Architecture | | | | | | | | | | | | | |
| Landscape Key Map | | | | | | | 8 | | 8 | 6 | | 22 | \$ 4,306.00 |
| Landscape Material and Layout Sheets | | | | 2 | | | 24 | | 18 | 12 | | 56 | \$ 11,582.00 |
| Landscape Planting Sheets | | | | 2 | | | 32 | | 18 | 12 | | 64 | \$ 13,702.00 |
| Landscape Master Plant List, Details and Specifications | | | | | | | 24 | | 12 | 12 | | 48 | \$ 10,152.00 |
| 2. Contract Documents | | | | 2 | | | | | | | | 2 | \$ 560.00 |
| 3. Opinion of Probable Construction Cost | | | | 1 | | 4 | | | | | | 5 | \$ 1,320.00 |
| 4. Design and Construction Schedule | | | | 1 | | 3 | | | | | | 4 | \$ 1,060.00 |
| 5. Utility Coordination | | | | 6 | | | | | | | | 6 | \$ 1,680.00 |
| 6. Design Progress Submittals | | | | 10 | | 10 | | | | | | 20 | \$ 5,400.00 |
| 7. Permitting | | | | | | | | | | | | | |
| a. TCEQ NPDES | | | | 1 | | | | | | | | 1 | \$ 280.00 |
| b. TDLR Review Submittal | | | | 2 | | | | | | | | 2 | \$ 560.00 |
| c. Floodplain Development | | | | 4 | | | | | | | | 4 | \$ 1,120.00 |
| d. FEMA CLOMR/LOMR | | | | 4 | | | | | | | | 4 | \$ 1,120.00 |
| e. City Construction Permit | | | | 1 | | | | | | | | 1 | \$ 280.00 |
| PHASE III - BID PHASE SERVICES (TIME & MATERIALS) | | | | | | | | | | | | PHASE III SUBTOTAL = | \$ 1,120.00 |
| 1. Bid and Award Phase Services | | | | | | | | | | | | | |
| a. Bid Solicitation | | 1 | | | | | | | | | | 0 | \$ - |
| b. Pre-Bid Conference (2 meetings) | | 1 | | 2 | | | | | | | | 2 | \$ 560.00 |
| c. Addenda Preparation (3 addendas) | | 1 | | 2 | | | | | | | | 2 | \$ 560.00 |
| d. Bid Opening and Review (1 meeting) | | 1 | | | | | | | | | | 0 | \$ - |
| e. Contract Award | | 1 | | | | | | | | | | 0 | \$ - |
| f. Conforming Documents | | 1 | | | | | | | | | | 0 | \$ - |
| PHASE IV - CONSTRUCTION PHASE SERVICES (TIME & MATERIALS) | | | | | | | | | | | | PHASE III SUBTOTAL = | \$ 22,840.00 |
| 1. Construction Phase Services | | | | | | | | | | | | | |

**City of Pflugerville - Weiss Lane
Project Budget**

| TASK Hourly Rate: | SHEETS/ UNITS | PRINCIPAL | PROJECT | SENIOR | SENIOR | SENIOR | ENGINEER | EIT | SR. ENGR. | ADMIN | Sub Total Hours | HWL Labor Cost |
|---|------------------|-------------|--------------|-------------|--------------|--------------|--------------|--------------|-------------|-------------|----------------------|-------------------|
| | | \$ 331.00 | \$280.00 | \$210.00 | \$260.00 | \$265.00 | \$195.00 | \$145.00 | \$171.00 | \$110.00 | | |
| HW Lochner | | | | | | | | | | | | |
| a. Pre-Construction Conference (1 meeting) | 1 | | 2 | | | | | | | | 2 | \$ 560.00 |
| b. Progress Meetings and Site Visits (40 meetings/visits) | 36 | | 12 | | | | | | | | 12 | \$ 3,360.00 |
| c. Submittal Reviews (30 reviews) | 30 | | 1 | | | | | | | | 1 | \$ 280.00 |
| d. RFI Response (50 responses) | 10 | | 8 | | | | | | | | 8 | \$ 2,240.00 |
| e. Preparation of Change Orders (4 change orders) | 2 | | 4 | | | | | | | | 4 | \$ 1,120.00 |
| f. Landscape Maintenance Period Inspections | | | | | | 48 | | 8 | | | 56 | \$ 13,880.00 |
| g. Contract Closeout | 1 | | 4 | | | | | | | | 4 | \$ 1,120.00 |
| h. Record Drawings | 1 | | 1 | | | | | | | | 1 | \$ 280.00 |
| TOTALS | 143 | | | | | | | | | | | |
| HOURS: | | 0 | 155 | 56 | 251 | 136 | 216 | 345 | 62 | 0 | Row Total = 1,221 | |
| LABOR COST: | | \$ - | \$ 43,400 | \$ 11,760 | \$ 65,260 | \$ 36,040 | \$ 42,120 | \$ 50,025 | \$ 10,602 | \$ - | Column Total = 1,221 | \$ 259,207.00 |
| | | 0.0% | 12.7% | 4.6% | 20.6% | 11.1% | 17.7% | 28.3% | 5.1% | 0.0% | | \$ 259,207.00 |

| TIME AND MATERIALS EXPENSES: | | | | | |
|------------------------------|--|--|--------|---------|-----------|
| Travel: | | | | | |
| Mileage | | | miles | \$0.67 | \$0.00 |
| Copies: | | | | | |
| Reproduction | | | copies | \$0.20 | \$0.00 |
| Media (mylar) | | | sheets | \$1.50 | \$0.00 |
| Misc Expenses: | | | | | |
| Express delivery | | | each | \$30.00 | \$0.00 |
| TOTAL EXPENSES: | | | | | \$ - |
| TOTAL HWL COST: | | | | | \$259,207 |

**City of Pflugerville - Weiss Lane
Project Budget**

| TASK | Hourly Rate: | SHEETS/ UNITS | SENIOR PROJECT MANAGER \$250.00 | AERIAL PROJECT MANAGER \$210.00 | PROJECT MANAGER \$205.00 | STAFF SURVEYOR \$190.00 | PROJECT LEAD \$140.00 | SENIOR OFFICE TECHNICIAN \$135.00 | OFFICE TECHNICIAN II \$120.00 | TWO PERSON FIELD CREW \$185.00 | FIELD COORDINATOR \$140.00 | PHOTOGRAMMETRI ST / PROJECT LEAD /SENSOR OPERATOR \$135.00 | ACQUISITION / CALIBRATION / AERIAL TRIANGULATION TECHNICIAN \$120.00 | LIDAR PHOTOGRAMMETRY \$105.00 | Sub Total Hours | SAM Labor Cost |
|--|--------------|------------------|--|--|--------------------------------|-------------------------------|-----------------------------|---|-------------------------------------|--------------------------------------|----------------------------------|---|---|-------------------------------------|---------------------------|---------------------|
| Surveying & Mapping, LLC | | | | | | | | | | | | | | | | |
| PROJECT MANAGEMENT | | | | | | | | | | | | | | | | |
| 1. Overall Project Management (12 Months) | | 12 | | | | | | | | | | | | | 0 | \$ - |
| 2. City of Pflugerville Progress Meetings (13 Meetings) | | 4 | | | | | | | | | | | | | 0 | \$ - |
| 2. City of Pflugerville Design Meetings (13 Meetings) | | 4 | | | | | | | | | | | | | 0 | \$ - |
| 2. City of Pflugerville City Council Meetings (3 Meetings) | | 4 | | | | | | | | | | | | | 0 | \$ - |
| 3. Public Involvement (2 Meetings) | | 2 | | | | | | | | | | | | | 0 | \$ - |
| PHASE I - SCHEMATIC (30%) PHASE | | | | | | | | | | | | | | | PHASE I SUBTOTAL = | \$ 79,460.00 |
| 1. Design Survey & Right-of-way Services | | | | | | | | | | | | | | | 0 | |
| a. Design Survey | | | 1.0 | 5 | 7 | 48 | 2 | 50 | 54 | 100 | 4 | 9 | 16 | 34 | 330.0 | \$ 51,130.00 |
| b. Right of Way Services | | | 1.5 | | 7 | 11 | | 24 | 128 | 30 | 2 | | | | 203.5 | \$ 28,330.00 |
| 2. Subsurface Utility Engineering | | | | | | | | | | | | | | | 0 | \$ - |
| a. QL "B" Services | | | | | | | | | | | | | | | 0 | \$ - |
| b. QL "A" Services | | | | | | | | | | | | | | | 0 | \$ - |
| 3. Geotechnical Services | | | | | | | | | | | | | | | 0 | \$ - |
| a. Field Coordination & Exploration | | | | | | | | | | | | | | | 0 | \$ - |
| b. Laboratory Assignment | | | | | | | | | | | | | | | 0 | \$ - |
| c. Geotechnical Report & Pavement Design Analysis | | | | | | | | | | | | | | | 0 | \$ - |
| 4. Environmental Services | | | | | | | | | | | | | | | 0 | \$ - |
| a. Waters of the US Delineation | | | | | | | | | | | | | | | 0 | \$ - |
| b. Rare, Threatened, and Endangered Species Habitat Assess | | | | | | | | | | | | | | | 0 | \$ - |
| c. Archaeological Background Study | | | | | | | | | | | | | | | 0 | \$ - |
| d. Phase I Environmental Site Assessment | | | | | | | | | | | | | | | 0 | \$ - |
| 5. Schematic Development | | | | | | | | | | | | | | | 0 | \$ - |
| a. Roadway Design | | | | | | | | | | | | | | | 0 | \$ - |
| b. Hydrologic & Hydraulic Analysis | | | | | | | | | | | | | | | 0 | \$ - |
| i. Hydrologic Updates | | | | | | | | | | | | | | | 0 | \$ - |
| ii. Hydraulic Updates | | | | | | | | | | | | | | | 0 | \$ - |
| c. Drainage Design | | | | | | | | | | | | | | | 0 | \$ - |
| d. Water Quality Design | | | | | | | | | | | | | | | 0 | \$ - |
| e. Bridge Design | | | | | | | | | | | | | | | 0 | \$ - |
| i. Existing Bridge Evaluation | | | | | | | | | | | | | | | 0 | \$ - |
| f. Deliverables | | | | | | | | | | | | | | | 0 | \$ - |
| i. 30% Design Roll Plot | | | | | | | | | | | | | | | 0 | \$ - |
| ii. 30% Design Cross Sections | | | | | | | | | | | | | | | 0 | \$ - |
| iii. Drainage Technical Memorandum | | | | | | | | | | | | | | | 0 | \$ - |
| iv. Preliminary Opinion of Probable Construction Cost | | | | | | | | | | | | | | | 0 | \$ - |
| TOTALS HOURS: | | 147 | 3 | 5 | 14 | 59 | 2 | 74 | 182 | 130 | 6 | 9 | 16 | 34 | Row Total = 534 | |
| LABOR COST: | | | \$ 625 | \$ 1,050 | \$ 2,870 | \$ 11,210 | \$ 280 | \$ 9,990 | \$ 21,840 | \$ 24,050 | \$ 840 | \$ 1,215 | \$ 1,920 | \$ 3,570 | Column Total = 534 | \$ 79,460.00 |
| | | | 0.5% | 0.9% | 2.6% | 11.1% | 0.4% | 13.9% | 34.1% | 24.4% | 1.1% | 1.7% | 3.0% | 6.4% | | \$ 79,460.00 |

| TIME AND MATERIALS EXPENSES: | | | | | | | |
|------------------------------|--|-----|-------|------------|--|---------------------|--|
| Travel: | | | | | | | |
| Mileage | | 910 | miles | \$0.67 | | \$609.70 | |
| GPS Receiver | | 120 | | \$25.00 | | \$3,000.00 | |
| SX-10 | | 10 | | \$35.00 | | \$350.00 | |
| Fixed Wing Twin Engine | | 1 | | \$1,300.00 | | \$1,300.00 | |
| Riegel VQ 156011 | | 2 | | \$1,300.00 | | \$2,600.00 | |
| GPS Receive (Unmanned) | | 1 | | \$100.00 | | \$100.00 | |
| TOTAL EXPENSES: | | | | | | \$ 7,959.70 | |
| TOTAL SAM COST: | | | | | | \$ 87,419.70 | |

City of Pflugerville - Weiss Lane
Project Budget

| TASK | Hourly Rate: | SHEETS/ UNITS | SENIOR ENGINEER \$ 204.00 | EP&P DIRECTOR \$190.00 | SNR GEOLOGIST \$190.00 | PROJECT MANAGER \$182.00 | ENV PM \$175.00 | PL, ARCH \$175.00 | PROJECT ENGINEER \$160.00 | ENV ENG \$135.00 | EIT \$135.00 | GIS ANALYST \$122.00 | PROJ ARCH \$120.00 | FIELD COORD. \$115.00 | ENV SCIENTIST II \$109.00 | ENV SCIENTIST \$101.00 | SR. ENGR/ LOGGER \$100.00 | GIS / CADD TECH \$110.00 | BUSINESS MANAGER \$92.00 | CLERICAL \$76.00 | ADMIN \$70.00 | Sub Total Hours | RKI Labor Cost | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------|------------------|---------------------------------|------------------------------|------------------------------|--------------------------------|--------------------|----------------------|---------------------------------|---------------------|-----------------|----------------------------|-----------------------|-----------------------------|---------------------------------|------------------------------|---------------------------------|--------------------------------|--------------------------------|---------------------|------------------|---------------------|-------------------|--------|----------|----------|--------|----------|--------|----------|----------|----------|----------|----------|----------|----------|--------|--------|--------|--------|------|----------------------|--------------|--------------|------------|
| Raba Kistner Consultants, Inc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROJECT MANAGEMENT | | | | | | | | | | | | | | | | | | | | | | 0 | \$ - | | | | | | | | | | | | | | | | | | | | | | |
| 1. Overall Project Management (12 Months) | | | | | | | | | | | | | | | | | | | | | | 0 | \$ - | | | | | | | | | | | | | | | | | | | | | | |
| 2. City of Pflugerville Progress Meetings (13 Meetings) | | | | | | | | | | | | | | | | | | | | | | 0 | \$ - | | | | | | | | | | | | | | | | | | | | | | |
| 2. City of Pflugerville Design Meetings (13 Meetings) | | | | | | | | | | | | | | | | | | | | | | 0 | \$ - | | | | | | | | | | | | | | | | | | | | | | |
| 2. City of Pflugerville City Council Meetings (3 Meetings) | | | | | | | | | | | | | | | | | | | | | | 0 | \$ - | | | | | | | | | | | | | | | | | | | | | | |
| 3. Public Involvement (2 Meetings) | | | | | | | | | | | | | | | | | | | | | | 0 | \$ - | | | | | | | | | | | | | | | | | | | | | | |
| PHASE I - SCHEMATIC (30%) PHASE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PHASE I SUBTOTAL = | | | | | | | | | | | | | | | | | | | | | | \$ 42,537.00 | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Design Survey & Right-of-way Services | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Design Survey | | | | | | | | | | | | | | | | | | | | | | 0 | \$ - | | | | | | | | | | | | | | | | | | | | | | |
| b. Right of Way Services | | | | | | | | | | | | | | | | | | | | | | 0 | \$ - | | | | | | | | | | | | | | | | | | | | | | |
| 2. Subsurface Utility Engineering | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. QL "B" Services | | | | | | | | | | | | | | | | | | | | | | 0 | \$ - | | | | | | | | | | | | | | | | | | | | | | |
| b. QL "A" Services | | | | | | | | | | | | | | | | | | | | | | 0 | \$ - | | | | | | | | | | | | | | | | | | | | | | |
| 3. Geotechnical Services | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Field Coordination & Exploration | | | | | | | | | | | | | | | | | | | | | | 1.00 | 2.00 | 6.00 | 10.00 | | | 16.00 | | | | | | | | | | | | | 71.5 | \$ 8,353.00 | | | |
| b. Laboratory Assignment | | | | | | | | | | | | | | | | | | | | | | | | 2.00 | 4.00 | | | | | | | | | | | | | | | | | 6 | \$ 860.00 | | |
| c. Geotechnical Report & Pavement Design Analysis | | | | | | | | | | | | | | | | | | | | | | 3.00 | | | 10.00 | | | | 17.00 | | 37.00 | | | | | | | 3.00 | | | | 5.00 | 75 | \$ 10,827.00 | |
| 4. Environmental Services | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Waters of the US Delineation | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 10 | | | | 4 | | | | | 32 | | | 1 | 1 | | 49 | \$ 5,828.00 | | |
| b. Rare, Threatened, and Endangered Species Habitat Assess | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 10 | | | | 4 | | | | | 32 | | | 1 | 1 | | 49 | \$ 5,828.00 | | |
| c. Archaeological Background Study | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | 4 | 40 | | | | | | | 2 | 2 | | 49 | \$ 5,799.00 | | |
| d. Phase I Environmental Site Assessment | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | 4 | | 4 | | | 32 | | | | 2 | 2 | | 45 | \$ 5,042.00 | | |
| 5. Schematic Development | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Roadway Design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Hydrologic & Hydraulic Analysis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| i. Hydrologic Updates | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ii. Hydraulic Updates | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c. Drainage Design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d. Water Quality Design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e. Bridge Design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| f. Deliverables | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| i. 30% Design Roll Plot | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ii. 30% Design Cross Sections | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| iii. Drainage Technical Memorandum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| iv. Preliminary Opinion of Probable Construction Cost | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTALS HOURS: | | | | | | | | | | | | | | | | | | | | | | 4 | 2 | 1 | 12 | 20 | 1 | 25 | 4 | 51 | 16 | 40 | 16 | 32 | 64 | 36 | 3 | 6 | 6 | 6 | | Row Total = 344.5 | | | |
| LABOR COST: | | | | | | | | | | | | | | | | | | | | | | \$ 816 | \$ 380 | \$ 190 | \$ 2,184 | \$ 3,500 | \$ 175 | \$ 4,000 | \$ 540 | \$ 6,885 | \$ 1,952 | \$ 4,800 | \$ 1,840 | \$ 3,488 | \$ 6,464 | \$ 3,600 | \$ 330 | \$ 552 | \$ 456 | \$ 385 | | Column Total = 344.5 | \$ 42,537.00 | | |
| | | | | | | | | | | | | | | | | | | | | | | 1.2% | 0.6% | 0.3% | 3.5% | 5.8% | 0.3% | 7.3% | 1.2% | 14.8% | 4.6% | 11.6% | 4.6% | 9.3% | 18.6% | 10.4% | 0.9% | 1.7% | 1.7% | 1.6% | | | \$ 42,537.00 | | |
| TIME AND MATERIALS EXPENSES: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 Pavement Borings (15 ft) to include DCP Testing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Bridge Borings (70 ft) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD OPERATIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mobilization of Drill Rig | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | \$600.00 | \$600.00 | |
| 3" Thin-Wall Continuous Sampling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 195 | | | | | | | | | | | | | \$28.00 | \$5,460.00 | |
| NX Coring | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | | | \$40.00 | \$800.00 | |
| Bentonite Backfill | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 215 | | | | | | | | | | | | | \$7.00 | \$1,505.00 | |
| Pavement Core and Patch | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | \$150.00 | \$1,050.00 | |
| Driller Cleanup | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | \$250.00 | \$1,000.00 | |
| Traffic Control Services | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | \$2,400.00 | \$7,200.00 | |
| Private SUE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | \$1,000.00 | \$1,000.00 | |
| Hazmat Database | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | \$517.50 | \$517.50 | |
| Trimble Survey Grade | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | \$92.00 | \$92.00 | |
| Truck | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | \$70.00 | \$70.00 | |
| Mileage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 200 | | | | | | | | | | | | | \$0.67 | \$134.00 | |
| Survey Supplies | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | \$80.50 | \$80.50 | |
| LABORATORY TESTING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Atterberg Limits | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | \$125.00 | \$1,500.00 |
| Moisture Content | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | | | | | | | | | | | | | | \$15.00 | \$900.00 |
| Sieve Analysis (passing No. 4, 40, 200) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | | | | | | | | | | | | | | \$120.00 | \$1,680.00 |
| Sulfate Testing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | | \$125.00 | \$875.00 |
| Unconfined Compression (Soil) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | \$60.00 | \$720.00 |
| Unconfined Compression (Rock) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | \$75.00 | \$300.00 |
| Lime Series (Tex-121-E Part III) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | \$425.00 | \$425.00 |
| Moisture-Density Test Only | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | \$350.00 | \$350.00 |
| Triaxial Compression of Disturbed Soils (Tex-117-E) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | | | | | | | | | | \$2,200.00 | \$0.00 |
| TOTAL EXPENSES: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \$ 26,259.00 | | |
| TOTAL RKI BASE COST: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \$ 68,796.00 | | |
| Raba Kistner Consultants, Inc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PHASE I - SCHEMATIC (30%) PHASE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. Environmental Services | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \$ - | | |

City of Pflugerville - Weiss Lane
Project Budget

| | | | | | | | | | | | | | | | | | | | | | | |
|--|--|------|--------|------|------|----------|------|------|------|------|------|------|------|----------|--------|------|------|--------|-------|------|---------------------|--------------|
| e. USACE Section 404 Nationwide Permit | | | 2 | | | 32 | | | | | | | | 48 | 4 | | | 2 | 1 | | 89 | \$ 11,969.00 |
| TOTALS HOURS: | | 0 | 2 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 4 | 0 | 0 | 2 | 1 | 0 | Row Total = 89.0 | |
| ADDITIONAL LABOR COST: | | \$ - | \$ 380 | \$ - | \$ - | \$ 5,600 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 5,376 | \$ 360 | \$ - | \$ - | \$ 180 | \$ 73 | \$ - | Column Total = 89.0 | \$ 11,969.00 |
| | | 0.0% | 0.6% | 0.0% | 0.0% | 9.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 13.9% | 1.2% | 0.0% | 0.0% | 0.6% | 0.3% | 0.0% | | \$ 11,969.00 |
| TOTAL RKI ADDITIONAL COST: | | | | | | | | | | | | | | | | | | | | | \$ 11,969.00 | |

City of Pflugerville - Weiss Lane
Project Budget

| TASK | Hourly Rate: | SHEETS/ UNITS | PRINCIPAL \$ 336.00 | PROJECT MANAGER \$185.00 | SENIOR ENGINEER \$210.00 | ENGINEER \$165.00 | EIT \$142.00 | ENGR. TECH. \$125.00 | SEN. CAD OPERATOR \$85.00 | ADMIN \$95.00 | Sub Total Hours | Labor STE Cost |
|--|--------------|------------------|------------------------|--------------------------------|--------------------------------|----------------------|-----------------|----------------------------|---------------------------------|------------------|----------------------------|---------------------|
| Statetech Engineering, LLC | | | | | | | | | | | | |
| Hours | | | | | | | | | | | | |
| PROJECT MANAGEMENT | | | | | | | | | | | PM SUBTOTAL = | \$ - |
| 1. Overall Project Management (12 Months) | | 12 | | | | | | | | | 0 | \$ - |
| 2. City of Pflugerville Progress Meetings (13 Meetings) | | 4 | | | | | | | | | 0 | \$ - |
| 2. City of Pflugerville Design Meetings (13 Meetings) | | 4 | | | | | | | | | 0 | \$ - |
| 2. City of Pflugerville City Council Meetings (3 Meetings) | | 4 | | | | | | | | | 0 | \$ - |
| 3. Public Involvement (2 Meetings) | | 2 | | | | | | | | | 0 | \$ - |
| PHASE I - SCHEMATIC (30%) PHASE | | | | | | | | | | | PHASE I SUBTOTAL = | \$ 23,090.00 |
| 1. Design Survey & Right-of-way Services | | | | | | | | | | | 0 | \$ - |
| a. Design Survey | | | | | | | | | | | 0 | \$ - |
| b. Right of Way Services | | | | | | | | | | | 0 | \$ - |
| 2. Subsurface Utility Engineering | | | | | | | | | | | 0 | \$ - |
| a. QL "B" Services | | | | | | | | | | | 0 | \$ - |
| b. QL "A" Services | | | | | | | | | | | 0 | \$ - |
| 3. Geotechnical Services | | | | | | | | | | | 0 | \$ - |
| a. Field Coordination & Exploration | | | | | | | | | | | 0 | \$ - |
| b. Laboratory Assignment | | | | | | | | | | | 0 | \$ - |
| c. Geotechnical Report & Pavement Design Analysis | | | | | | | | | | | 0 | \$ - |
| 4. Environmental Services | | | | | | | | | | | 0 | \$ - |
| a. Waters of the US Delineation | | | | | | | | | | | 0 | \$ - |
| b. Rare, Threatened, and Endangered Species Habitat Assess | | | | | | | | | | | 0 | \$ - |
| c. Archaeological Background Study | | | | | | | | | | | 0 | \$ - |
| d. Phase I Environmental Site Assessment | | | | | | | | | | | 0 | \$ - |
| 5. Schematic Development | | | | | | | | | | | 0 | \$ - |
| a. Roadway Design | | | | | | | | | | | 0 | \$ - |
| b. Hydrologic & Hydraulic Analysis | | | | | | | | | | | 0 | \$ - |
| i. Hydrologic Updates | | | | 8 | 24 | | 16 | | | | 48 | \$ 7,440.00 |
| ii. Hydraulic Updates | | | | 6 | 40 | | 8 | | | | 54 | \$ 8,710.00 |
| c. Drainage Design | | | | | | | | | | | 0 | \$ - |
| d. Water Quality Design | | | | | | | | | | | 0 | \$ - |
| e. Bridge Design | | | | | | | | | | | 0 | \$ - |
| i. Existing Bridge Evaluation | | | | | | | | | | | 0 | \$ - |
| f. Deliverables | | | | | | | | | | | 0 | \$ - |
| i. 30% Design Roll Plot | | | | | | | | | | | 0 | \$ - |
| ii. 30% Design Cross Sections | | | | | | | | | | | 0 | \$ - |
| iii. Drainage Technical Memorandum | | | | 8 | 24 | | 12 | | | | 44 | \$ 6,940.00 |
| iv. Preliminary Opinion of Probable Construction Cost | | | | | | | | | | | 0 | \$ - |
| PHASE II - DESIGN PHASE | | | | | | | | | | | PHASE II SUBTOTAL = | \$ 34,500.00 |
| 1. Plan Preparation | | | | | | | | | | | 0 | \$ - |
| a. General | | | | | | | | | | | 0 | \$ - |
| Title Sheet | | 1 | | | | | | | | | 0 | \$ - |
| Index of Sheets | | 1 | | | | | | | | | 0 | \$ - |
| General Notes | | 5 | | | | | | | | | 0 | \$ - |
| Quantity Summary Sheets | | 6 | | | | | | | | | 0 | \$ - |
| Horizontal Alignment Data | | 1 | | | | | | | | | 0 | \$ - |
| Survey Control Sheet | | 1 | | | | | | | | | 0 | \$ - |
| Project Layout Sheet | | 1 | | | | | | | | | 0 | \$ - |
| b. Roadway | | | | | | | | | | | 0 | \$ - |
| Typical Sections | | 2 | | | | | | | | | 0 | \$ - |
| Removal Sheets | | 3 | | | | | | | | | 0 | \$ - |
| Roadway Plan & Profiles | | 6 | | | | | | | | | 0 | \$ - |
| Driveway Plan & Profile Sheets | | 5 | | | | | | | | | 0 | \$ - |
| Cross Section Sheets (50-ft Intervals) | | 20 | | | | | | | | | 0 | \$ - |
| Roadway Details | | 6 | | | | | | | | | 0 | \$ - |
| Roadway Standards | | 6 | | | | | | | | | 0 | \$ - |
| c. Drainage | | | | | | | | | | | 0 | \$ - |
| Offsite Drainage Area Maps | | 1 | | 10 | 10 | | 12 | 16 | | | 48 | \$ 6,360.00 |

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| | | | | | | | | | | | |
|--|----|--|---|--|----|--|----|----|--|----------------------------------|--------------|
| Hydrologic Calculations | 1 | | 8 | | 8 | | 8 | 16 | | 40 | \$ 5,160.00 |
| Bridge Hydraulic Calculations | 1 | | 8 | | 8 | | 8 | 14 | | 38 | \$ 4,990.00 |
| Onsite Drainage Area Maps | 6 | | | | | | | | | 0 | \$ - |
| Storm Sewer Hydraulic Calculations | 1 | | | | | | | | | 0 | \$ - |
| Storm Sewer Plan & Profile Sheets | 6 | | | | | | | | | 0 | \$ - |
| Drainage Details | 4 | | | | | | | | | 0 | \$ - |
| Detention Pond Layouts | 2 | | | | | | | | | 0 | \$ - |
| Detention Pond Details | 1 | | | | | | | | | 0 | \$ - |
| Water Quality Pond Layouts | 2 | | | | | | | | | 0 | \$ - |
| Water Quality Pond Details | 1 | | | | | | | | | 0 | \$ - |
| Drainage Standard | 20 | | | | | | | | | 0 | \$ - |
| d. Bridge | | | | | | | | | | 0 | \$ - |
| Bridge Layout | | | | | | | | | | 0 | \$ - |
| Quantities and Bearing Seat Elevations | | | | | | | | | | 0 | \$ - |
| Abutment No. 1 | | | | | | | | | | 0 | \$ - |
| Abutment No. 2 | | | | | | | | | | 0 | \$ - |
| Girder Layout | 1 | | | | | | | | | 0 | \$ - |
| Concrete Girder Span | 1 | | | | | | | | | 0 | \$ - |
| Non-Standard Girder Design | 1 | | | | | | | | | 0 | \$ - |
| e. Traffic Control | 1 | | | | | | | | | 0 | \$ - |
| Traffic Control Plan Narrative | 1 | | | | | | | | | 0 | \$ - |
| Traffic Control Plan Layout Sheets | 1 | | | | | | | | | 0 | \$ - |
| Traffic Control Plan Standards | 1 | | | | | | | | | 0 | \$ - |
| f. Signing and Pavement Marking | | | | | | | | | | 0 | \$ - |
| Signing and Pavement Marking Layout Sheets | 1 | | | | | | | | | 0 | \$ - |
| Signing and Pavement Marking Standards | 6 | | | | | | | | | 0 | \$ - |
| g. Erosion Control | 5 | | | | | | | | | 0 | \$ - |
| Stormwater Pollution Prevention Plan | | | | | | | | | | 0 | \$ - |
| Erosion Control Plan Sheets | 6 | | | | | | | | | 0 | \$ - |
| Erosion Control Standards | 6 | | | | | | | | | 0 | \$ - |
| h. Illumination | | | | | | | | | | 0 | \$ - |
| Illumination Plan Sheets | 1 | | | | | | | | | 0 | \$ - |
| Illumination Circuit Diagram | 6 | | | | | | | | | 0 | \$ - |
| Illumination Standard Details | 5 | | | | | | | | | 0 | \$ - |
| i. Landscape Architecture | | | | | | | | | | 0 | \$ - |
| Landscape Key Map | | | | | | | | | | 0 | \$ - |
| Landscape Material and Layout Sheets | | | | | | | | | | 0 | \$ - |
| Landscape Planting Sheets | | | | | | | | | | 0 | \$ - |
| Landscape Master Plant List, Details and Specifications | | | | | | | | | | 0 | \$ - |
| 2. Contract Documents | | | | | | | | | | 0 | \$ - |
| 3. Opinion of Probable Construction Cost | 1 | | | | | | | | | 0 | \$ - |
| 4. Design and Construction Schedule | 3 | | | | | | | | | 0 | \$ - |
| 5. Utility Coordination | 4 | | | | | | | | | 0 | \$ - |
| 6. Design Progress Submittals | | | | | | | | | | 0 | \$ - |
| 7. Permitting | | | | | | | | | | 0 | \$ - |
| a. TCEQ NPDES | | | | | | | | | | 0 | \$ - |
| b. TDLR Review Submittal | | | | | | | | | | 0 | \$ - |
| c. Floodplain Development | | | 5 | | 2 | | 2 | | | 9 | \$ 1,505.00 |
| d. FEMA CLOMR/LOMR | | | 8 | | 50 | | 42 | | | 100 | \$ 14,980.00 |
| e. City Construction Permit | | | 5 | | 2 | | 2 | | | 9 | \$ 1,505.00 |
| PHASE III - BID PHASE SERVICES (TIME & MATERIALS) | | | | | | | | | | PHASE III SUBTOTAL = \$ - | |
| 1. Bid and Award Phase Services | | | | | | | | | | | |
| a. Bid Solicitation | 1 | | | | | | | | | 0 | \$ - |
| b. Pre-Bid Conference (2 meetings) | 1 | | | | | | | | | 0 | \$ - |
| c. Addenda Preparation (3 addendas) | 1 | | | | | | | | | 0 | \$ - |
| d. Bid Opening and Review (1 meeting) | 1 | | | | | | | | | 0 | \$ - |
| e. Contract Award | 1 | | | | | | | | | 0 | \$ - |
| f. Conforming Documents | 1 | | | | | | | | | 0 | \$ - |
| PHASE IV - CONSTRUCTION PHASE SERVICES (TIME & MATERIALS) | | | | | | | | | | PHASE IV SUBTOTAL = \$ - | |
| 1. Construction Phase Services | | | | | | | | | | | |
| a. Pre-Construction Conference (1 meeting) | 1 | | | | | | | | | 0 | \$ - |

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| | | | | | | | | | | | |
|---|------------|----------|-----------|----------|------------|----------|------------|-----------|----------|--------------------|--------------|
| b. Progress Meetings and Site Visits (40 meetings/visits) | 36 | | | | | | | | | 0 | \$ - |
| c. Submittal Reviews (30 reviews) | 30 | | | | | | | | | 0 | \$ - |
| d. RFI Response (50 responses) | 10 | | | | | | | | | 0 | \$ - |
| e. Preparation of Change Orders (4 change orders) | 2 | | | | | | | | | 0 | \$ - |
| f. Landscape Maintenance Period Inspections | 3 | | | | | | | | | 0 | \$ - |
| g. Contract Closeout | 4 | | | | | | | | | 0 | \$ - |
| h. Record Drawings | 1 | | | | | | | | | 0 | \$ - |
| TOTALS HOURS: | 153 | | | | | | | | | | |
| | | 0 | 66 | 0 | 168 | 0 | 110 | 46 | 0 | Row Total = 390 | |
| | | | | | | | | | | Column Total = 390 | |
| LABOR COST: | | \$ - | \$ 12,210 | \$ - | \$ 27,720 | \$ - | \$ 13,750 | \$ 3,910 | \$ - | | \$ 57,590.00 |
| | | 0.0% | 16.9% | 0.0% | 43.1% | 0.0% | 28.2% | 11.8% | 0.0% | | \$ 57,590.00 |

| | | | | | |
|-------------------------------------|--|--|--------|---------|--------------|
| TIME AND MATERIALS EXPENSES: | | | | | |
| Travel: | | | | | |
| Mileage | | | miles | \$0.67 | \$0.00 |
| Copies: | | | | | |
| Reproduction | | | copies | \$0.20 | \$0.00 |
| Media (mylar) | | | sheets | \$1.50 | \$0.00 |
| Misc Expenses: | | | | | |
| Express delivery | | | each | \$30.00 | \$0.00 |
| TOTAL EXPENSES: | | | | | \$ - |
| TOTAL STE COST: | | | | | \$ 57,590.00 |

