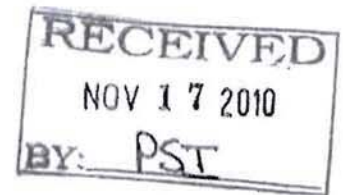


Contract No. CR 101 (US 79 to Chandler Rd.)



Checklist

Prior to Initiation of Work

- ☒ Signed and Executed Agreement
- ☒ Scope of Services – Appendix A
 - ☐ Exhibit A – Services to be provided by County
 - ☐ Exhibit B – Services to be provided by Engineer
 - ☐ Exhibit C – Work Schedule
 - ☐ Exhibit D – Fee Schedule
- ☒ Production Schedule – Exhibit IV
- ☒ Hourly Rates of Engineer – Exhibit II
- ☐ Work Authorization - Attachment A to Exhibit I
 - ☐ Supplemental Work Authorization for Additional Work (if applicable)
- ☐ Data to be provided to Engineer by County
 - ☐ Plans
 - ☐ Maps
 - ☐ Studies
 - ☐ Reports
 - ☐ Field Notes
 - ☐ Statistics
 - ☐ Computations
 - ☐ Other: _____
- ☒ Contractors Qualification Statement – Appendix B
- ☒ Insurance *pr. - quote S. J.*
 - ☐ Worker's Compensation
 - ☐ Commercial General Liability Insurance
 - ☐ Automobile Liability Insurance
 - ☐ Professional Liability Errors and Omissions Insurance
 - ☐ Self Insurance Documentation
 - ☐ Insurance Certificates for Subcontractors and/or Sub-consultants
 - ☐ Approval of Insurance by County

Course of Work

- ☐ Original Engineering Work Product submittal
- ☐ "Completed" Engineering Work Product
- ☐ "Accepted" Engineering Work Product
- ☐ Modifications and/or Changes for Approval of Engineering Work Product
- ☐ "Approved" Engineering Work Product
- ☐ Revisions to Work Product
- ☐ Seal of Endorsement on all Engineering Work Product
- ☐ Data necessary for applications or documentation for permits and/or grants to be provided by Engineer to County

Notices (as applicable)

Contract No. _____

- ☐ Notice of Suspension
- ☐ Notice of Reinstatement
- ☐ Notice of Termination
- ☐ Notice of Staffing Changes
- ☐ Written Report of Accident

Documentation for Payment

- ☐ Internal Revenue Form W-9
- ☐ Invoice for Services Rendered
 - Supporting Documentation
 - Report of Completion Percentage
- ☐ Invoice for Reimbursables
 - Proof of prior payment by Engineer of Reimbursables

Contract No. _____

PROFESSIONAL SERVICES AGREEMENT

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PROFESSIONAL SERVICES AGREEMENT

STATE OF TEXAS §
 §
COUNTY OF WILLIAMSON §

This Professional Services Agreement (the "**Agreement**") is made and entered into this day by and between Williamson County, Texas, a political subdivision of the State of Texas, (*the "County"*) and K Friese & Associates, Inc. (*the "Engineer"*).

WHEREAS, *County* proposes to construct a 3.6-mile roadway widening project for County Road 101:

WHEREAS, *County* desires to obtain professional services for engineering design, plans, specifications and estimates (*the "Project"*);

WHEREAS, *Engineer* has the professional ability and expertise to fulfill the requirements of the *Project*, and to counsel *County* in the selection and analysis of cost-effective alternatives.

NOW, THEREFORE, *County* and *Engineer* agree to the performance of the professional services by *Engineer* and the payment for these services by *County* as set forth herein.

Section I
Employment of the Engineer

County agrees to employ *Engineer* and *Engineer* agrees to perform professional engineering services for the *Project* as stated in the Sections to follow. As a condition to employment, it is specifically agreed that any disputes arising hereunder shall be submitted to the County Judge or his designee and/or agent as designated in the Scope of Services in Appendix A, or as otherwise designated (*individually or collectively the "County Judge"*). The *County Judge* shall have complete authority for the purpose of resolving technical matters. In all other cases, the decision of the Williamson County Commissioners Court shall be final and binding, subject to any civil remedies otherwise deemed appropriate by the parties hereto.

Section II
Basic Services of the Engineer

- A. In consideration of the compensation herein provided, *Engineer* shall perform professional engineering services for the *Project*, which are acceptable to the *County Judge*, based on standard engineering practices and the scope of work described on the Exhibits attached to this Agreement. *Engineer* shall also serve as *County's* professional engineer in those phases of the *Project* to which this Agreement applies and will consult with and give advice to *County* during the performance of *Engineer's* services.
- B. *Engineer* shall not commence work until *Engineer* has been thoroughly briefed on the scope of the *Project* and has been notified in writing by the *County Judge* to proceed, as evidenced by a Work Authorization substantially in the form of Attachment A to Exhibit I.

November 2010

- C. *County* shall provide *Engineer* with all existing plans, maps, studies, reports, field notes, statistics, computations, and other data in its possession relative to existing facilities and to this particular *Project* at no cost to *Engineer*; however, any and all such information shall remain the property of *County* and shall be returned, if the *County Judge* so instructs *Engineer*.

- D. *Engineer* shall perform the following Basic Scope of Services:
 - 1. The basic Scope of Services shall generally consist of all elements of work, materials and equipment required for the development of the *Project*, including any Public Hearings, satisfactory to the *County Judge* and the County's Commissioners Court, in accordance with the requirements, policies, and general practices of Williamson County.

 - 2. The following documents shall be used in the development of the *Project*:
 - a. TxDOT 2003 Texas Manual of Uniform Traffic Control Devices for Streets and Highways, including latest revisions
 - b. Texas Department of Transportation Construction Manual, latest edition
 - c. Texas Department of Transportation's Standard Specifications for Construction of Highways, Streets, and Bridges, 2004 (English units)
 - d. National Environmental Policy Act (NEPA)
 - e. Texas Accessibility Standards (TAS) of the Architectural Barriers Act, Article 9102, Texas Civil Statutes, Effective April 4, 1994, including latest revisions
 - f. Americans with Disabilities Act (ADA) Regulations
 - g. U.S. Army Corps Regulations
 - h. Southern Building Code, latest edition
 - i. Uniform Building Code. Note: Williamson County will use the 1997 Uniform Building Code (May 1, 1997), including latest revisions, as a guide for design.
 - j. National Electrical Code, latest edition
 - k. Williamson County Design Criteria & Project Development Manual, latest edition
 - l. TxDOT Bridge Division Foundation Manual, latest edition

 - 3. Design Criteria Order of Precedence: Design Criteria for the *Project* development shall be according to the following descending order of precedence: Williamson County Design Criteria, Texas Department of Transportation Standards and Specifications, local City standards and specifications.

 - 4. As part of the Scope of Services, *Engineer* shall submit its work products to *County* for review at regular intervals.

 - 5. The detailed Scope of Services for the *Project* is set forth herein as Appendix A to this Agreement, and is expressly incorporated and made a part hereof.

Section III
Fee schedule

- A. For and in consideration of the performance by **Engineer** of the work described in the Scope of Services, **County** shall pay and **Engineer** shall receive the fee set forth in Exhibit I. The fee is based upon the hourly rates set forth in Exhibit II. Exhibits I and II are attached hereto and made a part hereof. Invoices shall be submitted by **Engineer** on a monthly basis and are due upon presentation of all items required hereunder, and shall be considered past due if not paid within thirty (30) calendar days of the due date.
- B. For the performance of services not specifically described in the Scope of Services **Engineer** shall receive the additional services compensation described in Exhibit III, which is attached hereto and made a part hereof. In the event of any dispute over the classification of **Engineer's** services as basic or additional services under this agreement, the decision of the **County Judge** shall be final and binding on **Engineer**.

Section IV
Period of Service

- A. **Engineer** shall perform the professional services described in Appendix A, the Scope of Services, in accordance with the Production Schedule attached hereto as Exhibit IV and made a part hereof.
- B. This Agreement shall become effective upon the date approved by **County** and will remain in full force and effect for the period required for the design, construction contract award and construction of the **Project**, including warranty periods and any extensions of time, unless terminated earlier as provided for herein. **Engineer** shall complete all design work as described in the Scope of Services within 365 calendar days from receipt by **Engineer** of **County's** written Work Authorization and in accordance with the production timeline included in the Scope of Services.
- C. Neither **Engineer** nor **County** shall be responsible for delays caused by "Acts of God", non-county governmental processes, national emergency, or any other causes beyond **Engineer's** or **County's** reasonable control. Upon the discovery of such an event, **Engineer** shall notify **County**, and attend a special meeting with the **County Judge** to propose a program for a solution to the problem, and, if necessary, to establish an estimated period of time of suspension or extension of the work. A written request for an extension of time, when properly documented and justified by the circumstances, will be granted by the **County Judge**.
- D. **County** may suspend the work at any time for any reason without terminating this Agreement by giving written Notice of Suspension and the work may be reinstated and this Agreement resumed in full force and effect within sixty (60) days of receipt by **Engineer** of written Notice of Reinstatement from **County**. **Engineer**, upon receipt of a Notice of Suspension shall follow the procedures described in the attached Exhibit V, which is attached hereto and made a part hereof. In the event such suspension of the **Project** or the

Engineer's services hereunder extends for a period of ninety (90) days or more, consecutive or in the aggregate, *Engineer* may terminate this Agreement in writing and such termination shall be treated as a Notice of Termination as provided herein.

- E. Either party may terminate this Agreement for the substantial failure of the other party to perform in accordance with the terms of this Agreement (the substantiality of such failure to be based on standard engineering practices and the scope of work described on the Exhibits attached to this Agreement), through no material fault of the terminating party. *County* may unilaterally terminate this Agreement for reasons other than substantial failure by *Engineer* to perform by delivering a written Notice of Termination which shall take effect on the tenth day following *Engineer's* receipt of same. If mutually agreed upon, the obligation to provide services under this Agreement may be terminated without cause upon thirty (30) days written notice. *Engineer* shall follow the procedures specified in Exhibit V upon issuance or receipt of such notice. In the event of termination of this Agreement because of the substantial failure of *Engineer* to perform, *County* may prosecute the work to completion by contract or otherwise and, in such a case, *Engineer* shall be liable for any additional costs incurred by *County*.
- F. *Engineer* specifically acknowledges that *County* will sustain damages for each day beyond the required dates of completion of the Preliminary and Design Phases as defined in the Scope of Services that the work has not been accepted and approved. Because of the impracticality and extreme difficulty of fixing and ascertaining *County's* actual damages, *Engineer* agrees that one-hundred and No/100 Dollars (\$100.00) per day shall be retained by *County* from any amounts due *Engineer* for every day that *Engineer* does not meet the production requirements set forth in Exhibit IV. ✓
- G. Periods of time (i) during which a Notice of Suspension is in effect, or (ii) during which a submitted and complete engineering work product is in technical review, as described in Section VI, or (iii) during which a delay directly related to matters described in section IV(C) above, shall not be taken into account in computing the amount of liquidated damages. In the event that an engineering work product received by *County* is found to be incomplete, as defined in Section VI, Paragraph B, the period of time from the original submittal of the engineering work product to the receipt of subsequent submittal necessary to produce a completed submittal will be taken into account in computing the number of days and the amount of liquidated damages
- H. All references to time in this Agreement shall be measured in calendar days unless otherwise specified.

Section V Coordination with the County

- A. The *County Judge* will act on behalf of *County* with respect to the work to be performed under this Agreement. The *County Judge* shall have complete authority to interpret and define *County's* policies and decisions with respect to *Engineer's* services. The *County Judge* may designate representatives to transmit instructions and receive information.

- B. *Engineer* shall not commence work on any phase of the *Project* until a thorough briefing on the scope of the *Project* is received and a written Work Authorization is issued by the *County Judge* in substantially the form of Attachment A to Exhibit I.
- C. *Engineer* shall furnish all available data and reasonable assistance necessary for the development of applications or supporting documentation for any permits, grants, or planning advances as applicable to the professional services to be rendered pursuant to this Agreement, provided that *Engineer* shall not be obligated to develop additional data, appear at hearings, or prepare extensive reports, unless compensated for such work under other provisions of this Agreement.
- D. *Engineer* shall have the responsibility at all times under the terms of this Agreement to advise *County* whether in *Engineer's* judgment it is feasible to proceed with the recommendations given any constraints affecting the *Project*.
- E. *Engineer* shall cooperate and coordinate with *County's* staff, and other engineers and contractors as reasonable and necessary and as required by the *County Judge*.

Section VI Review of Work Product

- A. *Engineer's* engineering work product will be reviewed by *County* under its applicable technical requirements and procedures.
- B. Reports, plans, specifications, and supporting documents, (the "engineering work products"), shall be submitted by *Engineer* on or before the dates specified in the Production Schedule set forth in Exhibit IV. Upon receipt of the engineering work products, the submission shall be checked for completion. "Completion" shall be defined as: all of the required items (as defined by the scope of services described herein) have been included in the engineering work products in compliance with the requirements of this Agreement. The completeness of any engineering work product submitted to *County* shall be determined by *County* within thirty (30) days of such submittal and *County* shall notify *Engineer* in writing within such 30-day period if such work product has been found to be incomplete.
- C. If the submission is complete, *County* shall notify *Engineer* and *County's* technical review process will begin.
- D. If the submission is incomplete, *County* shall notify *Engineer*, who shall perform such professional services as are required to complete the work and resubmit it to *County*. This process shall be repeated until a submission is complete.
- E. *County* shall review the completed work for compliance with the scope of work. If necessary, the completed work shall be returned to *Engineer*, who shall perform any required work and resubmit it to *County*. This process shall be repeated until the work is accepted. "Acceptance" shall mean that in the *County Judge's* opinion substantial compliance with the requirements of this Agreement has been achieved.
- F. After acceptance, *Engineer* shall perform any required modifications, changes, alterations,

corrections, redesigns, and additional work necessary to receive final approval by the *County Judge*. "Approval" in this sense shall mean formal recognition that the work has been fully carried out.

- G. After approval of final engineering work products, *Engineer* shall without additional compensation perform any work required as a result of *Engineer's* development of the products which is found to be in error or omission due to *Engineer's* negligence. However, any work required or occasioned for the convenience of *County* after approval of a final product shall be paid for as Additional Services.
- H. In the event of any dispute over the classification of *Engineer's* work products as complete, accepted, or approved under this Agreement, the decision of the *County Judge* shall be final and binding on *Engineer*, subject to any civil remedy or determination otherwise available to the parties and deemed appropriate by the parties.

Section VII Revision to Work Product

Engineer shall make without expense to *County* such revisions to the work product as may be required to correct negligent errors or omissions so the work product meets the needs of *County*, but after the approval of the work product any revisions, additions, or other modifications made at *County's* request which involve extra services and expenses to *Engineer* shall entitle *Engineer* to additional compensation for such extra services and expenses, provided however, that *Engineer* agrees to perform any necessary corrections to the work products, which are found to be in negligent error or omission as a result of the *Engineer's* development of the work product, at any time, without additional compensation. If it is necessary due to such error or omission by *Engineer* to revise the plans in order to make the *Project* constructible, *Engineer* shall do so without additional compensation. In the event of any dispute over the classification of *Engineer's* services as Basic or Additional Services under this Agreement, the decision of the *County Judge* shall be final and binding on *Engineer*, subject to any civil remedy or determination otherwise available to the parties and deemed appropriate by the parties.

Section VIII Engineer's Responsibility and Liability

- A. *Engineer* covenants to undertake no task in which a professional license or certificate is required unless he or someone under his direction is appropriately licensed. In the event such licensed individual's license expires, is revoked, or is canceled, *Engineer* shall inform *County* of such event within five working days.
- B. *Engineer* shall be responsible for conformance with applicable federal and state laws, county permitting requirements, and city ordinances currently in effect, except as otherwise directed by the *County Judge* regarding county permitting or similar requirements properly waivable by the *County Judge*.
- C. Acceptance and approval of the final plans by *County* shall not release *Engineer* of any responsibility or liability for the accuracy and competency of his designs, working drawings, specifications, or other documents or work performed under this Agreement. Neither

acceptance nor approval by *County* shall be an assumption of responsibility or liability by *County* for any defect, error, or omission in the designs, working drawings, specifications, or other documents prepared by *Engineer*.

- D. **ENGINEER SHALL INDEMNIFY, PROTECT, AND SAVE HARMLESS COUNTY, ITS OFFICIALS AND EMPLOYEES AND ITS AGENTS AND AGENTS' EMPLOYEES FROM AND AGAINST ALL CLAIMS, SUITS, ACTIONS, LIABILITY, LOSS, DAMAGE, REASONABLE ATTORNEY'S FEES, COSTS, AND EXPENSES (INCLUDING, BUT NOT LIMITED TO EXPENSES RELATED TO EXPERT WITNESSES) OF ANY KIND WHATSOEVER, TO THE EXTENT ARISING FROM ANY NEGLIGENT ACT, ERROR OR OMISSION OF ENGINEER OR ANY OF ITS SUBCONTRACTORS IN CONNECTION WITH THE PERFORMANCE OF SERVICES UNDER THIS AGREEMENT; PROVIDED, HOWEVER, ENGINEER SHALL NOT BE RESPONSIBLE FOR THE NEGLIGENCE OF ANY OTHER PARTY, OTHER THAN ITS SUBCONTRACTORS.**
- E. *Engineer's* opinions of probable *Project* cost or construction cost represent *Engineer's* professional judgment as a design professional familiar with the construction industry, but *Engineer* does not guarantee that proposals, bids, or the construction cost, itself, will not vary from *Engineer's* opinions of probable cost.
- F. *Engineer* shall perform all services and responsibilities required of *Engineer* under this Agreement using at least that standard of care which a reasonably prudent engineer in Texas, who is licensed by the State Board of Engineers, or the State Board of Registered Professional Surveyors, as applicable, would use in similar circumstances.
- G. *Engineer* represents that it presently has, or is able to obtain, adequate qualified personnel in its employment for performance of the services required under this Agreement and that *Engineer* shall furnish and maintain, at its own expense, adequate and sufficient personnel and equipment, in the reasonable opinion of *County*, to perform the services when and as required and without delays. It is understood that *County* will approve assignment and release of all key *Engineer* and professional personnel.
- H. All employees of *Engineer* shall have such knowledge and experience as will enable them to perform the duties assigned to them. Any employee of *Engineer*, who in the opinion of *County* is incompetent or whose conduct becomes detrimental to the work or coordination with *County*, shall upon *County's* and/or *County Judge's* request be immediately removed from association with the *Project*.
- I. *Engineer* shall furnish all equipment, transportation, supplies, and materials required for its operations under this Agreement.
- J. *Engineer* shall place his Texas Professional Engineer's seal of endorsement on all documents and engineering data furnished to *County*, as required by law.
- K. *Engineer* is an independent contractor under this Agreement. Neither he nor any officer,

agent or employee of *Engineer* shall be classified as an employee of *County*.

Section IX Ownership of Documents

- A. Any and all documents, including the original drawings, estimates, computer tapes, graphic files, tracings, calculations, analyses, reports, specifications, field notes, and data prepared by *Engineer* are the property of *County* and upon completion of the work or termination of this Agreement or as otherwise instructed by *County* and/or *County Judge*, shall be delivered to *County* in an organized fashion with *Engineer* retaining a copy.
- B. Any reuse by *Engineer* of any such documents described in subsection A above, without the specific written consent of *County* shall be at *Engineer's* sole risk and without liability or legal exposure to *County*. Should *Engineer* be terminated, *Engineer* shall not be liable for *County's* use of partially completed designs, plans, or specifications on this *Project* or any other project, except to the extent such documents were deemed complete or otherwise "Accepted" or "Approved" as provided herein or represent completed work sealed by *Engineer*, or Surveyor, as applicable, as specified by professional standards.
- C. *Engineer* will not be responsible for any use or any modifications to the plans and documents described in subsection A performed by any entity other than Williamson County, and *County's* respective engineers and contractors, without the specific written consent of *Engineer*. Any modification as described in this paragraph shall be made in accordance with all applicable professional standards.

Section X Maintenance of and Right of Access to Records

- A. *Engineer* agrees to maintain appropriate accounting records of costs, expenses, and payrolls of employees working on the *Project*, together with documentation of evaluations and study results for a period of three (3) years after final payment for completed services and all other pending matters concerning this Agreement have been closed.
- B. *Engineer* further agrees that *County* or its duly authorized representatives shall, until the expiration of three (3) years after final payment under this Agreement, have access to and the right to examine and photocopy any and all books, documents, papers and records of *Engineer*, which are directly pertinent to the services to be performed under this Agreement for the purposes of making audits, examinations, excerpts, and transcriptions. *Engineer* agrees that *County* shall have access during normal working hours to all necessary *Engineer* facilities and shall be provided adequate and appropriate work space in order to conduct audits in compliance with the provisions of this section. *County* shall give *Engineer* reasonable advance notice of intended audits.
- C. *Engineer* further agrees to include in all its sub-consultant agreements hereunder a provision to the effect that the sub-consultant agrees that *County* shall, until the expiration of three (3) years after final payment under the subcontract, have access to and the right to examine and photocopy any directly pertinent books, documents, papers and records of such sub-consultant, involving transactions to the subcontract, and further, that *County* shall have access during

normal working hours to all sub-consultant facilities, and shall be provided adequate and appropriate work space, in order to conduct audits in compliance with the provisions of this section together with subsection (D) hereof. **County** shall give sub-consultant reasonable advance notice of intended audits.

- D. **Engineer** and sub-consultant agree to photocopy such documents as may be requested by **County**. **County** agrees to reimburse **Engineer** for the cost of copies at the rate published in the Texas Administrative Code in effect as of the time copying is performed.

Section XI Miscellaneous

- A. **Severability.** If any provision of this Agreement shall be held invalid or unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision hereof, but rather this entire Agreement will be construed as if not containing the particular invalid or unenforceable provision or provisions, and the rights and obligation of the parties shall be construed and enforced in accordance therewith. The parties acknowledge that if any provision of this Agreement is determined to be invalid or unenforceable, it is the desire and intention of each that such provision be reformed and construed in such a manner that it will, to the maximum extent practicable, give effect to the intent of this Agreement and be deemed to be validated and enforceable.
- B. **Venue and Governing Law.** It is contemplated that this Agreement shall be performed in Williamson County, Texas, and the venue and jurisdiction of any suit, right, or cause of action arising out of or in connection with this Agreement shall lie exclusively in Williamson County, Texas. This Agreement shall be governed by and construed in accordance with the laws of the State of Texas.
- C. **Equal Opportunity in Employment.** **Engineer** agrees, during the performance of the services under this Agreement, to comply with the equal opportunity in employment provisions cited in Exhibit VI, which is attached hereto and made a part hereof.
- D. **Certificate of Engineer.** **Engineer** certifies that neither **Engineer** nor any members of **Engineer's** firm has:
- (1) Employed or retained for a commission, percentage, brokerage, contingency fee, or other consideration, any firm or person (other than a bona fide employee working solely for **Engineer**) to solicit or secure the work provided by the Agreement.
 - (2) Agreed, as an expressed or implied condition for obtaining this contract, to employ or retain the services of any firm or person other than in connection with carrying out the work to be performed under this Agreement.
 - (3) Paid or agreed to pay to any firm, organization, or person (other than bona fide employees working solely for **Engineer**) any fee, contribution, donation, or consideration of any kind for, or in connection with, procuring or carrying out the work provided under this Agreement.

Engineer further agrees that this certification may be furnished to any local, state or federal governmental agencies in connection with this Agreement and for those portions of the **Project** involving participation of agency grant funds and is subject to all applicable state and federal, criminal and civil laws.

- E. **Notice.** Any notice to be given hereunder shall be in writing and may be affected by personal delivery in writing or by registered or certified mail, return receipt requested, addressed to the proper party, at the following address:

ENGINEER: K Friese & Associates, Inc.
Karen Friese, P.E. – President
1120 S. Capital of Texas Hwy.
The Setting II, Suite 100
Austin, Texas 78746

COUNTY: Williamson County Judge
Dan Gattis (or successor)
710 Main Street, Ste. 101
Georgetown, Texas 78626

with copy to: Hal C. Hawes
Legal Advisor
Office of Williamson County Judge
710 Main Street
Suite 200
Georgetown, Texas 78626

and to: Prime Strategies, Inc.
1508 South Lamar Blvd.
Austin, Texas 78704
Attn: Michael Weaver

and to: HNTB
14 Galloping Road
Round Rock, Texas 78681
Attn: James Klotz, P.E.

and to: Williamson County Director of Infrastructure
3151 S.E. Inner Loop, Suite B
Georgetown, Texas 78626
Attn: Robert B. Daigh, P.E.

and to:

OK ✓

- F. **Insurance Requirements.** *Engineer* agrees during the performance of the services under this Agreement to comply with the INSURANCE REQUIREMENTS provisions described in Exhibit VII, which is attached hereto and made a part hereof.
- G. **Property Taxes.** Notwithstanding anything to the contrary herein, to the extent *County* becomes aware that *Engineer* is delinquent in the payment of property taxes related to property located in Williamson County at the time of invoicing, *Engineer* hereby assigns any payments to be made for services rendered hereunder to the Williamson County Tax Assessor-Collector for the payment of said delinquent taxes. Notwithstanding the above, *County* shall not have an affirmative duty to determine if *Engineer* is delinquent in the payment of property taxes.
- H. **Successors and Assigns.** This Agreement shall be binding upon and inure to the benefit of *County* and *Engineer* and their respective successors, executors, administrators, and assigns. Neither *County* nor *Engineer* may assign, sublet, or transfer his interest in or obligations under this Agreement without the written consent of the other party hereto.
- I. **Bidding Exemption.** This Agreement is exempted from the bidding requirements of the County Purchasing Act pursuant to Section 262.024(a)(4) of the Local Government Code as this is a contract for professional services.
- J. **Taxpayer Identification.** *Engineer* shall provide to *County Judge* upon submittal of *Engineer's* initial invoice requesting payment Internal Revenue Form W-9 Request for Taxpayer Identification Number and Certification that is completed in compliance with the Internal Revenue Code, its rules and regulations.
- K. **Compliance with Laws.** *Engineer* shall comply with all federal, state, and local laws, statutes, ordinances, rules and regulations, and the orders and decrees of any courts or administrative bodies or tribunals in any matter affecting the performance of this Agreement, including, without limitation, Worker's Compensation laws, minimum and maximum salary and wage statutes and regulations, licensing laws and regulations. When required, the *Engineer* shall furnish the *County* with certification of compliance with said laws, statutes, ordinances, rules, regulations, orders, and decrees above specified.
- L. **Reports of Accidents.** Within 24 hours after *Engineer* becomes aware of the occurrence of any accident or other event which results in, or might result in, injury to the person or property of any third person (other than an employee of the *Engineer*), whether or not it results from or involves any action or failure to act by the *Engineer* or any employee or agent of the *Engineer* and which arises in any manner from the performance of this Agreement, the *Engineer* shall send a written report of such accident or other event to the County, setting forth a full and concise statement of the facts pertaining thereto. The *Engineer* shall also immediately send the County a copy of any summons, subpoena, notice, or other documents served upon the *Engineer*, its agents, employees, or representatives, or received by it or them, in connection with any matter before any court arising in any manner from the *Engineer's* performance of work under this Agreement.

- M. **Definition of Engineer.** The term "**Engineer**" as used herein is defined as including Registered Professional Surveyors, as applicable to the work to be performed under this Agreement, and any reference to professional standards in regards to a Registered Professional Surveyor shall relate to those standards promulgated by the State Board of Registered Professional Surveyors.
- N. **Gender, Number and Headings.** Words of any gender used in this Agreement shall be held and construed to include any other gender, and words in the singular number shall be held to include the plural, unless the context otherwise requires. The headings and section numbers are for convenience only and shall not be considered in interpreting or construing this Agreement.
- O. **Incorporation of Exhibits and Attachments.** All of the Exhibits and Attachments, and Appendices referred to in the Agreement are incorporated by reference as if set forth verbatim herein.
- P. **Entity Status.** By my signature below, I certify that **Engineer** is a Corporation, duly authorized to transact and do business in the State of Texas. ✓
- Q. **Construction.** Each party hereto acknowledges that it and its counsel have reviewed this Agreement and that the normal rules of construction are not applicable and there will be no presumption that any ambiguities will be resolved against the drafting party in the interpretation of this Agreement.
- R. **Independent Contractor Relationship.** Both parties hereto, in the performance of this Agreement, shall act in an individual capacity and not as agents, employees, partners, joint ventures or associates of one another. The employees or agents of one party shall not be deemed or construed to be the employees or agents of the other party for any purposes whatsoever.
- S. **No Waiver of Immunities.** Nothing in this Agreement shall be deemed to waive, modify or amend any legal defense available at law or in equity to **County**, its past or present officers, employees, or agents or employees, nor to create any legal rights or claim on behalf of any third party. **County** does not waive, modify, or alter to any extent whatsoever the availability of the defense of governmental immunity under the laws of the State of Texas and of the United States.
- T. **Interest and Late Payments.** **County's** payment for goods and services shall be governed by Chapter 2251 of the Texas Government Code. Invoices shall be paid by **County** within thirty (30) days from the date of the Williamson County Auditor's receipt of an invoice. Interest charges for any late payments shall be paid by **County** in accordance with Texas Government Code Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of **County's** fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one percent (1%); and (2) the prime rate published in the Wall Street Journal on the first day of July of the preceding fiscal year that does not fall on a Saturday or Sunday. In the event

that a discrepancy arises in relation to an invoice, such as an incorrect amount on an invoice or a lack of documentation that is required to be attached to an invoice to evidence the amount claimed to be due, **County** shall notify the party requesting payment of such an invoice of the discrepancy. Following **County's** notification of any discrepancy as to an invoice, the party requesting payment must resolve the discrepancy and resubmit a corrected or revised invoice, which includes all required support documentation, to the Williamson County Auditor. **County** shall pay the invoice within thirty (30) days from the date of the Williamson County Auditor's receipt of the corrected or revised invoice. **County's** payment of an invoice that contains a discrepancy shall not be considered late, nor shall any interest begin to accrue until the thirty-first (31st) day following the Williamson County Auditor's receipt of the corrected or revised invoice.

- U. **Texas Public Information Act.** To the extent, if any, that any provision in this Agreement is in conflict with Tex. Gov't Code 552.001 *et seq.*, as amended (the "Public Information Act"), the same shall be of no force or effect. Furthermore, it is expressly understood and agreed that **County**, its officers and employees may request advice, decisions and opinions of the Attorney General of the State of Texas in regard to the application of the Public Information Act to any items or data furnished to **County** as to whether or not the same are available to the public. It is further understood that **County's** officers and employees shall have the right to rely on the advice, decisions and opinions of the Attorney General, and that **County**, its officers and employees shall have no liability or obligation to any party hereto for the disclosure to the public, or to any person or persons, of any items or data furnished to **County** by a party hereto, in reliance of any advice, decision or opinion of the Attorney General of the State of Texas.
- V. **Acknowledgement.** As a duly authorized representative of **Engineer**, I acknowledge by my signature below that I have read and understand the above paragraphs and that **Engineer** has the obligation to ensure compliance with its provisions by itself and its employees, agents, and representatives.
- W. **Governing Terms and Conditions.** If there is an irreconcilable conflict between the terms and conditions set forth in Sections I. through XI. of this Agreement and the terms and conditions set forth in any Exhibit, Appendix or Attachment to this Agreement, the terms and conditions set forth in Sections I. through XI. of this Agreement shall control over the terms and conditions set forth in any Exhibit, Appendix or Attachment to this Agreement.
- X. **Entire Agreement.** This Agreement represents the entire and integrated Agreement between **County** and **Engineer** and supersedes all prior negotiations, representations, or agreements, either oral or written. This Agreement may be amended only by written instrument signed by both **County** and **Engineer**. NO OFFICIAL, EMPLOYEE, AGENT, OR REPRESENTATIVE OF THE COUNTY HAS ANY AUTHORITY, EITHER EXPRESS OR IMPLIED, TO AMEND THIS CONTRACT, EXCEPT PURSUANT TO SUCH EXPRESS AUTHORITY AS MAY BE GRANTED BY THE COUNTY COMMISSIONERS COURT.

EXECUTED this _____ day of _____, 2010.

THE ENGINEER:

K Friese & Associates

WILLIAMSON COUNTY:

BY: Karen Friese

BY: [Signature]

Printed Name: Karen A. Friese, P.E.

Williamson County Judge

Title: President

Reviewed as to Form By:

Legal Advisor to the Williamson
County Commissioners Court

Funds Verified By:

County Contract Auditor

OK
my 11/14/20

EXHIBIT I

COMPENSATION FOR PROFESSIONAL SERVICES

ACTUAL COST OF SERVICES METHOD

[Note: A separate Compensation Agreement will be attached for Compensation on a Work-Order Basis]

SECTION 1 - BASIS FOR COMPENSATION

- 1.1 The not-to-be-exceeded fee for the performance of the Scope of Services described in the Agreement shall be the sum of **\$742,583.46**. ✓
- 1.2 The basis of compensation for the services of principals and employees engaged in the performance of the work shall be the hourly rates set forth in attached Exhibit II.
- 1.3 *Engineer* shall be reimbursed for actual non-labor and subcontract expenses incurred in the performance of the services under this Agreement at the *Engineer's* invoice cost.

SECTION 2 - NOT-TO-BE-EXCEEDED FEE

- 2.1 *Engineer* and *County* acknowledge the fact that the not-to-be-exceeded fee is the total estimated costs of services to be rendered under this Agreement. This not-to-be-exceeded fee is based upon the labor and non-labor costs set forth in Exhibit II to this Agreement and described above, estimated to be required in the performance of the various phases of work provided for under this Agreement. Should the actual costs of the services rendered under this Agreement be less than such estimated cost, then *Engineer* shall receive compensation for only those services actually rendered.

SECTION 3 - WORK AUTHORIZATIONS

- 3.1 *County* will prepare and issue Work Authorizations, in the form identified and attached hereto as Attachment A to authorize the *Engineer* to perform one or more tasks. Each Work Authorization will include a description of the work to be performed, a description of the tasks and milestones, a work schedule for the tasks, and a fee amount agreed upon by the *County* and *Engineer*. The amount payable for a Work Authorization shall be supported by the estimated cost of each work task as described in the Work Authorization. The Work Authorization will not waive the *Engineer's* responsibilities and obligations established in this Agreement. The executed Work Authorizations shall become part of this Agreement.
- 3.2 Work included in a Work Authorization shall not begin until *County* and *Engineer* have signed the Work Authorization. All work must be completed on or before the completion date specified in the Work Authorization. The *Engineer* shall promptly notify the *County* of any event which will affect completion of the Work Authorization, although such notification shall not relieve the *Engineer* from costs or liabilities resulting from delays in

completion of the Work Authorization. Any changes in the Work Authorization shall be enacted by a written Supplemental Work Authorization before additional work may be performed or additional costs incurred. Any Supplemental Work Authorization must be executed by both parties within the period specified in the Work Authorization. The *Engineer* shall not perform any proposed work or incur any additional costs prior to the execution, by both parties, of a Supplemental Work Authorization.

SECTION 4 - ADDITIONAL SERVICES

- 4.1 For additional services, compensation shall be negotiated in accordance with Exhibit III.
- 4.2 *Engineer* shall be compensated for extra services not included in the Scope of Services described in the Agreement on the basis specified in Exhibit III; however, *Engineer* shall not be compensated for work made necessary by *Engineer's* negligent errors or omissions.
- 4.3 The maximum amount payable under this Agreement without modification (the "*Compensation Cap*") is **\$900,000.00**, provided that any amounts paid or payable shall be solely pursuant to a validly issued Work Authorization or any Supplemental Work Authorization related thereto. In no event may the aggregate amount of compensation authorized under Work Authorizations and Supplemental Work Authorizations exceed the *Compensation Cap*. ✓

SECTION 5 - REQUIRED SUPPORTING DOCUMENTATION

- 5.1 Upon submittal of the initial invoice for service, *Engineer* shall provide *County Judge* with an Internal Revenue Form W-9, Request for Taxpayer Identification Number and Certification that is complete in compliance with the Internal Revenue Code, its rules and regulations.
- 5.2 All invoices submitted to *County Judge* will be accompanied by an original, complete packet of supporting documentation. Invoices should detail hours worked by staff person, with a description of the work performed by individuals. Invoices should also contain a representation of the percentage of completion relative to that segment of the *Project*.
- 5.3 For additional services performed pursuant to Section III B of this Agreement, a separate invoice or itemization of this work will be presented with the same requirements for supporting documentation as in Section 5.2 of this Exhibit.
- 5.4 Invoices requesting reimbursement for expenditures related to the project (reimbursables) must be accompanied by copies of the provider's invoice which was previously paid by *Engineer*.
- 5.5 Payments for Direct and Reimbursable Expenses will be made in compliance with the approved 2009-2010 Budget Order, as amended. The Budget Order can be viewed on the Williamson County web site at www.wilco.org.

EXHIBIT II
HOURLY RATES

| | |
|------------------------------------|----------|
| 1. Principal..... | \$185.00 |
| 2. Project Manager..... | \$178.00 |
| 3. Senior Engineer..... | \$178.00 |
| 4. Project Engineer | \$128.00 |
| 5. EIT..... | \$ 81.00 |
| 6. Sr. Engineering Technician..... | \$ 91.00 |
| 7. Engineering Technician..... | \$ 83.00 |
| 8. CADD Technician..... | \$52.00 |
| 9. Administration/Clerical..... | \$64.00 |

OK
11/18/2011

EXHIBIT III

COMPENSATION FOR ADDITIONAL PROFESSIONAL SERVICES

1. The fees described in Exhibits I and II to this Agreement shall provide compensation to *Engineer* for the work described in the Basic Scope of Services of the Agreement.
2. For the performance of work not described in the Basic Scope of Services of the Agreement, *County* shall pay and *Engineer* shall receive, under a negotiated contract modification, compensation based upon the method and rates set forth in Exhibits I and II to the Agreement.
3. The performance of any additional services must be authorized in writing in advance by the *County Judge*.
4. In the event of any dispute over the classification of *Engineer's* services as either basic or additional services, the decision of the *County Judge* shall be final and binding.

EXHIBIT IV

PRODUCTION SCHEDULE

This Agreement shall become effective upon the date approved by *County* and will remain in full force and effect for the period required for the design, construction contract award and construction of the *Project*, including warranty periods and any extensions of time, unless terminated earlier as provided for herein. *Engineer* shall complete all design work as described in the Scope of Services within the timeline and/or schedule provided in the Scope of Services.

The number of days expiring from the date of submittal to *County* of a complete work product to the date the review is finished and comments returned to *Engineer* shall not be included within the days allowed for completion.

EXHIBIT V

PROCEDURES FOR TERMINATION OR SUSPENSION

Procedures for *Engineer* to follow upon receipt of Notice of Termination:

1. Upon receipt of a Notice of Termination and prior to the effective date of the termination, *Engineer* shall, unless the Notice otherwise directs, immediately begin to phase out and discontinue all services in connection with the performance of this Agreement and shall proceed to promptly cancel all existing orders and contracts insofar as such orders and contracts are chargeable to this Agreement. Within thirty (30) days after receipt of the Notice of Termination, *Engineer* shall submit a statement, showing in detail the services performed under this Agreement prior to the effective date of termination.
2. Copies of all completed or partially completed designs, plans, and specifications prepared under this Agreement prior to the effective date of termination shall be delivered to *County* as a pre-condition to final payment.
3. Upon the above conditions being met, *County* shall pay *Engineer* for approved services actually performed under this Agreement, less previous payments.
4. Failure by *Engineer* to submit the required statement and to comply with the above stated conditions without good and reasonable cause shall constitute a waiver by *Engineer* of any and all rights or claims to collect the fee that *Engineer* may rightfully be entitled to for services performed under this Agreement.

Procedures for *Engineer* to follow upon receipt of Notice of Suspension:

1. Upon receipt of a Notice of Suspension and prior to the effective date of the suspension, *Engineer* shall, unless the Notice otherwise directs, immediately begin to phase-out and discontinue all services in connection with the performance of this Agreement and shall prepare a statement detailing the services performed under this Agreement prior to the effective date of suspension. Copies of all completed or partially completed designs, plans and specifications prepared under this Agreement prior to the effective date of suspension shall be prepared for possible delivery to *County*, but shall be retained by *Engineer* unless requested by *County*.
2. During the period of suspension, *Engineer* may submit the above-referenced statement to *County* for payment of the approved services actually performed under this Agreement, less previous payments.

Procedures for **Engineer** to follow upon exercise of right to terminate for substantial failure of **County** to perform:

1. In the event that **Engineer** exercises such right to terminate, within thirty (30) days after receipt by **County** of **Engineer's** Notice of Termination, **Engineer** shall submit a statement detailing the services performed under this Agreement prior to the effective date of termination.
2. Copies of all completed or partially completed reports, designs, plans, studies, specifications and other work product shall be delivered to **County** as a pre-condition to final payment. Upon the above conditions being met, **County** shall pay **Engineer** for approved services actually performed under this Agreement, less previous payments.
3. Failure by **Engineer** to submit the required statement and to comply with the above stated conditions without good and reasonable cause shall constitute a waiver by **Engineer** of any and all rights or claims to collect the fee that **Engineer** may rightfully be entitled to for services performed under this Agreement.

EXHIBIT VI**EQUAL OPPORTUNITY IN EMPLOYMENT**

- A. **Engineer** will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. **Engineer** will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; termination; rates of pay or other forms of compensation, and selection for training, including apprenticeship. **Engineer** agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this non-discrimination clause.
- B. **Engineer** will, in all solicitations or advertisements for employees placed by or on behalf of **Engineer**, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.
- C. **Engineer** will send to the labor union representative or workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided by the Contract Compliance Officer advising the said labor union or worker's representatives of **Engineer's** obligations under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- D. **Engineer** will comply with the Regulations of the Department of Transportation (49 CFR 21 and 23 CFR 710.405) and all provisions of Executive Order 11246 of September 24, 1965, as amended by Executive Order 11375 (41 CFR 60) and of the rules, regulations and relevant order of the Secretary of Labor. In the event that federal financial assistance is provided for the **Project**, **Engineer** shall comply with 49 CFR 26, TxDOT's Disadvantaged Business Enterprises Program and any Memorandum of Understanding between the **County** and TxDOT pertaining to such Disadvantaged Business Enterprise Program.
- E. **Engineer** will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations and orders of the Secretary of Labor, or pursuant thereto; and will permit access to his books, records, and accounts by the Department and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations and orders.
- F. In the event of **Engineer's** non-compliance with the non-discrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and **Engineer** may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, as amended by Executive Order 11375 (41 CFR 60) or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

- G. *Engineer* will include the provisions of paragraph (A.) through (F.) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 or Executive Order 11246 of September 24, 1965, as amended by Executive Order 11375 (41 CFR 60), so that such provisions will be binding upon each subcontractor or vendor. *Engineer* will take such action with respect to any subcontractor purchase order as the Department may direct as a means of enforcing such provisions, including sanctions for non-compliance: provided, however, that in the event *Engineer* becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by *County* or Federal Agency, *Engineer* may request *County* and United States to enter into such litigation to protect the interest of the United States.

EXHIBIT VII

INSURANCE REQUIREMENTS

During the life of this Agreement, *Engineer* agrees to provide and maintain the following insurance:

- A. Worker's Compensation in accordance with statutory requirements.
- B. Commercial General Liability Insurance with a combined minimum Bodily Injury and Property Damage limits of \$1,000,000 per occurrence and \$2,000,000 in the aggregate, including coverage on same for independent subcontractor(s). WILLIAMSON COUNTY SHALL BE NAMED AS AN ADDITIONAL INSURED UNDER THIS COVERAGE.
- C. Automobile Liability Insurance for all owned, non-owned, and hired vehicles with combined minimum limits for Bodily Injury and Property Damage limits of \$1,000,000 per occurrence and \$1,000,000 in the aggregate. *Engineer* shall require any subcontractor(s) to provide Automobile Liability Insurance in the same minimum amounts.
- D. Professional Liability Errors and Omissions Insurance in the amount of \$1,000,000 .
- E. In the event *Engineer* is self-insured in connection with any or all of the above-required insurance policies, *Engineer* shall submit proof of such self-insurance and all financial statements as reasonably required by the *County* in order to determine the acceptability of such self-insurance.

Engineer shall not commence any field work under this Agreement until he has obtained all required insurance and such insurance or self-insurance has been approved by *County*. *Engineer* shall not allow any subcontractor(s) to commence work to be performed in connection with this Agreement until all required insurance has been obtained and approved. Approval of the insurance by *County* shall not relieve or decrease the liability of *Engineer* hereunder.

The required insurance must be written by a company approved to do business in the State or Texas with a financial standing of at least an A- rating, as reflected in Best's insurance ratings or by a similar rating system recognized within the insurance industry at the time the policy is issued. *Engineer* shall furnish *County* with a certification of coverage issued by the insurer. *Engineer* shall not cause any insurance to be canceled nor permit any insurance to lapse. ALL INSURANCE CERTIFICATES SHALL INCLUDE A CLAUSE TO THE EFFECT THAT THE POLICY SHALL NOT BE CANCELED OR REDUCED, RESTRICTED OR LIMITED UNTIL TEN (10) DAYS AFTER COUNTY HAS RECEIVED WRITTEN NOTICE AS EVIDENCED BY RETURN RECEIPT OF REGISTERED OR CERTIFIED LETTER.

It is the intention of the *County* and the *County Judge*, and agreed to and hereby acknowledged by the *Engineer*, that no provision of this Professional Services Agreement shall be construed to require the *County* or the *County Judge* to submit to mandatory arbitration or mediation in the settlement of any claim, cause of action or dispute, except as specifically required in direct connection with an insurance claim or threat of claim under an insurance policy required under this Exhibit which absolutely requires arbitration or mediation of such claim, or as otherwise required by law or a court of law with jurisdiction over the provisions of this Agreement.

APPENDIX A

SCOPE OF SERVICES

THE ATTACHED SCOPE OF SERVICES IS INTENDED TO BE CONSISTENT WITH THE WILLIAMSON COUNTY PROFESSIONAL SERVICES AGREEMENT. TO THE EXTENT THE SCOPE IS INCONSISTENT WITH THE PROFESSIONAL SERVICES AGREEMENT, THE PROFESSIONAL SERVICES AGREEMENT WILL SUPERSEDE THE SCOPE AND WILL BE CONTROLLING.

THE ENGINEER SHALL PROVIDE EXPERT TESTIMONY IN ANY ADMINISTRATIVE OR COURT PROCEEDINGS THROUGH AN APPROPRIATE ENGINEERING PROFESSIONAL TO BE DETERMINED BY COUNTY AS ADDITIONAL SERVICES AT THE RATE OF COMPENSATION SET FORTH IN EXHIBIT II.

EXCEPT AS PROVIDED FOR FEE SERVICES OR WORK-ORDER BASED SERVICES, THE ATTACHED SCOPE OF SERVICES SHALL INCLUDE A PRODUCTION SCHEDULE REFLECTING A TIMELINE FOR THE EXECUTION OF THE PROJECT.

Exhibit A – Services to be provided by County

The *County* will provide the following services:

I. Environmental Documentation – The County will be responsible for obtaining required Environmental Approval for construction; tasks will include:

- A. USACE Jurisdictional Waters Delineation
- B. Archaeological Investigations
- C. Phase I Environmental Site Assessment
- D. Threatened and Endangered Species Assessment

II. Pavement Thickness Recommendation – The County will provide KFA with a pavement design recommendation.

Exhibit B – Services to be provided by the Engineer

The *Engineer* will provide the following engineering services:

COUNTY ROAD 101

Project Limits: From SH 79 to Chandler Road

Proposed Action: Develop Plans, Specifications and Estimates for the widening of the existing CR 101. County Road 101 will ultimately be a four lane undivided rural facility. The interim facility will be a two lane undivided facility with shoulders. The proposed ROW will be 100'.

Scope of Services: This project will be a Williamson County road. All design work will be completed according to the requirements outlined in the latest version of the Williamson County design manual. This project shall be developed with TxDOT 2004 Standard Specifications. Services will include:

I. Project Management – During the course of the project, the Engineer will maintain communication with the County, the County's GEC, Utility companies (in order to assist with relocation efforts), and other agencies as necessary to ensure that project progress is maintained. Project management will also be necessary to ensure that the multi-discipline team is responsive to any changes in scope or process while maintaining project schedule and budget. As part of the Project Management, Quality Assurance/Quality Control will be performed on geometrics, drainage, cross sections, miscellaneous elements as well as the Project Manual. In addition, all required permits will be secured.

II. Construction Plans – Design tasks will include the tasks detailed in this scope of services for the development the Plans, Specifications and Estimates (PS&E) generally following Williamson County and or TxDOT standards for the referenced project including:

A. Overall Sheets

1. Title Sheet
2. Index of Sheets
3. General Notes
4. Summaries
5. Project Layouts
6. Survey Data
7. Horizontal Alignment Data
8. Table of Cross-Slopes
9. Ditch Grade Summary

B. Traffic Control Sheets

1. Traffic Control Notes and Construction Sequence
2. Traffic Control Plans
3. Traffic Control Standards and Details

C. Roadway Sheets

1. Existing Typical Sections
2. Proposed Typical Sections

3. Plan and Profiles
 4. Intersection Layouts
 5. Driveway Plan and Profiles
 6. Driveway Details
 7. Roadway Standards and Details
 8. Cross Section Design (utilities included in cross sections)
- D. Bridge Sheets
1. Bridge Layout Sheets
 2. Structural Rating for Existing Little Mustang Creek Bridge
 3. Bridge Geometry Sheets
 4. Estimated Quantities and Bearing Seat Elevations
 5. Bridge Scour Sheets
 6. Abutment Sheets
 7. Wingwall Stabilization Anchor and Details
 8. Bridge Interior Bent Sheets
 9. Bridge Span Sheets
 10. Misc Slab Details
 11. Foundation Design
 12. Bridge Misc Details
- E. Drainage Sheets
1. Overall Drainage Area Map
 2. Ditch Drainage Area Maps
 3. Hydrology Data Sheets
 4. Bridge Hydraulic Calculations
 5. Drainage Standards and Details
- F. Traffic Sheets
1. Signing and Marking Layout Sheets
 2. Sign Details
 3. Future signal conduit sheets
- G. Erosion Control Sheets
1. Storm Water Pollution Prevention Plan (SWPPP)
 2. Erosion Control Plans
 3. Erosion Control Standards and Details
- H. Utility Sheets
1. Existing and proposed utility layouts
- All work will be prepared in English units
 - Copies of all electronic files will be submitted to the county at the conclusion of the PS&E Development

III. Miscellaneous Services - tasks will include the tasks detailed in this scope of services for additional services including:

- A. Project Manual Development
- B. Drainage Report
- C. FEMA Conditional Letter of Map Revision (CLOMR)
- D. Construction Cost Estimate
- E. Bidding / Letting services
- F. Permitting – Preparation and submittal of TxDOT permit for U.S. Hwy 79 intersection and Williamson County and Cities Health District (WCCHD) Floodplain Development Permit

IV. Surveying – Surveying Tasks will include:

- A. Design Survey
- B. Right of Way Surveys (estimated 42 ROW tracts) and Parcel Maps

V. Geotechnical Investigations/Engineer – Geotechnical Investigations/Engineering Tasks will include:

- A. Geotechnical Soil Borings for Bridge Design
- B. Laboratory Investigation
- C. Geotechnical Report
- D. Geotechnical Engineering for Bridge Design

Subcontracted Tasks – Several tasks will be subcontracted in part or in whole. All subcontracted work will comply with the requirements outlined in this Scope of Services.

Subcontracted tasks include:

- Environmental Documentation
- Surveying
- Bridge Design
- Geotechnical investigations for bridge design

Deliverables:

All contract documents, including hard copies and electronic files shall be turned over to the County at the completion of the project. Contract Documents shall be posted on the County's Internet project management database as requested during the project development and / or at the completion of the project. Plan sheets will be 11"X17".

All submittals will include 3 hard copies and Adobe .pdf files uploaded to Project Wise. Deliverables will include 30%, 60%, 90%, and 100% (Final) submittals as detailed:

1. 30% submittal will include:

- Title Sheet
- Project Layout
- Typical Sections
- General Notes
- Survey Data
- Quantity Sheets
- Roadway Plan and Profile Sheets

- Drainage Area Maps
- Bridge Layout Sheets
- Bridge Typical Sections
- Preliminary drainage calculations report
- Preliminary culvert layouts
- Roll plot layout of TCP phases
- Preliminary Bridge Layout and Typical Section
- Six copies of roll plot (color) displaying Schematic Alignment and ROW information including boundaries, owner names, parcel and easement numbers, stationing, and an aerial background
- Special Provision Forms
- Geotechnical Report
- Initial Construction Time Duration
- Initial Construction Cost Estimate
- Updated Design Schedule

2. 60% submittal will include:

- Title Sheet
- Project Layout Sheet
- Typical Sections
- General Notes
- Survey Data
- Quantity Sheets
- Traffic Control Plans
- All Roadway plan / profile sheets developed
- Bridge Sheets
- Cross Sections
- All drainage sheets developed
- Final drainage report
- FEMA CLOMR application package
- Erosion Control sheets
- TCP sheets
- Signing and Striping layouts
- List of Standards
- Updated Design Schedule
- Updated Special Provision Forms
- 30% Review Comment Responses
- Updated Drainage Report

3. 90% submittal will include:

- Title Sheet
- Project Layout Sheet
- Typical Sections
- General Notes
- Survey Data
- Quantity Sheets

- Traffic Control Plans
- All Roadway plan / profile sheets developed
- Bridge Sheets
- All drainage sheets developed
- Final drainage report
- FEMA CLOMR application package
- Erosion Control sheets
- TCP sheets
- Signing and Striping layouts
- List of Standards
- Updated Design Schedule
- Updated Special Provision Forms
- 60% Review Comment Responses
- Updated Drainage Report
- Full set of plan sheets with quantities and Standards
- Final Cross Sections and Earthwork Calculations
- Project Manual
- Geotechnical Report with boring logs will be included in Project Manual as an appendix
- Updated construction duration
- Updated Construction Cost Estimate
- CAD Design Files (.zip)

4. 100% submittal will include:

- All items of 90% submittal with corrections from 90% review
- Final Construction Cost Estimate
- Estimated construction duration

Bidding Phase services will include:

- Distribute bid packages to contractors and maintain planholders list.
- Attend pre-bid meeting and furnish construction documents to prospective bidders
- Respond to bidder's questions during the bid period
- Prepare and distribute project addenda during bid period
- Analyze contractor bids, prepare bid tabulation, and make recommendation for award to the apparent low bidder
- Furnish construction documents to awarded contractor
- Attend pre-construction conference

Tasks Not Included– The following tasks and items are not included:

- Rights of Entry
- Cross Sections for construction phasing
- Construction services including inspection, testing, pay estimates, etc.
- Public Meeting attendance or exhibit development
- Utility relocation design
- Environmental mitigation or remediation

- Section 106 cultural resource survey
- Traffic projections
- Traffic signal warrant studies
- Traffic signal design
- Illumination design
- Geotechnical borings for pavement design

Exhibit C – Work Schedule

| | |
|--------------------|------------------|
| Notice To Proceed: | December 1, 2010 |
| 30% Submittal | May 1, 2011 |
| 60% Submittal | August 1, 2011 |
| 90% Submittal | November 1, 2011 |
| 100% Submittal | March 1, 2012 |

Exhibit D – Fee Schedule

COUNTY ROAD 101
Williamson County
Exhibit D

| TASK | KFA | HDR | SAM INC | FUGRO | Total Labor Cost | Total Labor Cost |
|--|----------------------|---------------------|----------------------|---------------------|----------------------|----------------------|
| K Friese & Associates, Inc. | | | | | | |
| I. Project Management | | | | | | \$ 46,008.00 |
| A. Project Management (12 months) | \$ 31,456.00 | \$ 14,552.00 | \$ - | \$ - | \$ 46,008.00 | |
| II. Construction Plans | | | | | | \$ 386,400.00 |
| A.1. Title Sheet | \$ 1,182.00 | \$ - | \$ - | \$ - | \$ 1,182.00 | |
| A.2. Index of Sheets | \$ 854.00 | \$ - | \$ - | \$ - | \$ 854.00 | |
| A.3. General Notes | \$ 7,544.00 | \$ - | \$ - | \$ - | \$ 7,544.00 | |
| A.4. Summaries | \$ 18,168.00 | \$ - | \$ - | \$ - | \$ 18,168.00 | |
| A.5. Project Layouts | \$ 2,696.00 | \$ - | \$ - | \$ - | \$ 2,696.00 | |
| A.6. Survey Data | \$ 1,020.00 | \$ - | \$ - | \$ - | \$ 1,020.00 | |
| A.7. Horizontal Alignment Data | \$ 4,288.00 | \$ - | \$ - | \$ - | \$ 4,288.00 | |
| A.8. Table of Cross-Slopes | \$ 4,464.00 | \$ - | \$ - | \$ - | \$ 4,464.00 | |
| A.9. Ditch Grade Summary | \$ 3,240.00 | \$ - | \$ - | \$ - | \$ 3,240.00 | |
| B.1. Traffic Control Notes and Construction Sequence | \$ 1,860.00 | \$ - | \$ - | \$ - | \$ 1,860.00 | |
| B.2. Traffic Control Plans | \$ 35,208.00 | \$ - | \$ - | \$ - | \$ 35,208.00 | |
| B.3. Traffic Control Standards and Details | \$ 12,376.00 | \$ - | \$ - | \$ - | \$ 12,376.00 | |
| C.1. Existing Typical Sections | \$ 2,328.00 | \$ - | \$ - | \$ - | \$ 2,328.00 | |
| C.2. Proposed Typical Sections | \$ 6,488.00 | \$ - | \$ - | \$ - | \$ 6,488.00 | |
| C.3. Plan and Profile Sheets | \$ 41,874.00 | \$ - | \$ - | \$ - | \$ 41,874.00 | |
| C.4. Intersection Layouts (2 per Sheet) | \$ 7,192.00 | \$ - | \$ - | \$ - | \$ 7,192.00 | |
| C.5. Driveway Plan and Profiles (2 per sheet) | \$ 27,332.00 | \$ - | \$ - | \$ - | \$ 27,332.00 | |
| C.6. Driveway Details Sheets | \$ 1,894.00 | \$ - | \$ - | \$ - | \$ 1,894.00 | |
| C.7. Roadway Standards and Details | \$ 9,448.00 | \$ - | \$ - | \$ - | \$ 9,448.00 | |
| C.8. Cross-Section Sheets (191 Sections, 3 per Sheet) | \$ 36,512.00 | \$ - | \$ - | \$ - | \$ 36,512.00 | |
| D.1. Bridge Layouts | \$ - | \$ 16,208.00 | \$ - | \$ - | \$ 16,208.00 | |
| D.2. Structural Rating for Existing Little Mustange Cr. Bridge | \$ - | \$ 2,000.00 | \$ - | \$ - | \$ 2,000.00 | |
| D.3. Bridge Geometry Sheets | \$ - | \$ 2,388.00 | \$ - | \$ - | \$ 2,388.00 | |
| D.4. Estimated Quantities and Bearing Seat Elevations | \$ - | \$ 3,448.00 | \$ - | \$ - | \$ 3,448.00 | |
| D.5. Bridge Scour Sheets | \$ 6,744.00 | \$ - | \$ - | \$ - | \$ 6,744.00 | |
| D.6. Abutment Sheets | \$ - | \$ 15,232.00 | \$ - | \$ - | \$ 15,232.00 | |
| D.7. Wingwall Stabilization Anchor and Details | \$ - | \$ 10,392.00 | \$ - | \$ - | \$ 10,392.00 | |
| D.8. Bridge Interior Bent Sheets | \$ - | \$ 10,300.00 | \$ - | \$ - | \$ 10,300.00 | |
| D.9. Bridge Span Sheets | \$ - | \$ 9,512.00 | \$ - | \$ - | \$ 9,512.00 | |
| D.10. Misc Slab Details | \$ - | \$ 4,374.00 | \$ - | \$ - | \$ 4,374.00 | |
| D.11. Foundation Design | \$ - | \$ 3,004.00 | \$ - | \$ - | \$ 3,004.00 | |
| D.12. Bridge Misc Details | \$ - | \$ 1,654.00 | \$ - | \$ - | \$ 1,654.00 | |
| E.1. Overall Drainage Area Map | \$ 4,312.00 | \$ - | \$ - | \$ - | \$ 4,312.00 | |
| E.2. Ditch Drainage Area Maps | \$ 12,656.00 | \$ - | \$ - | \$ - | \$ 12,656.00 | |
| E.3. Hydrology Data Sheets | \$ 7,472.00 | \$ - | \$ - | \$ - | \$ 7,472.00 | |
| E.4. Bridge Hydraulic Calculations | \$ 6,808.00 | \$ - | \$ - | \$ - | \$ 6,808.00 | |
| E.5. Drainage Standards and Details | \$ 4,300.00 | \$ - | \$ - | \$ - | \$ 4,300.00 | |
| F.1. Signing and Marking Layout Sheets | \$ 9,704.00 | \$ - | \$ - | \$ - | \$ 9,704.00 | |
| F.2. Signing and Marking Details | \$ 2,844.00 | \$ - | \$ - | \$ - | \$ 2,844.00 | |
| F.3. Future Signal Conduit Sheets | \$ 2,180.00 | \$ - | \$ - | \$ - | \$ 2,180.00 | |
| G.1. Stormwater Pollution Prevention Plan (SWPPP) | \$ 3,596.00 | \$ - | \$ - | \$ - | \$ 3,596.00 | |
| G.2. Erosion Control Plans | \$ 12,088.00 | \$ - | \$ - | \$ - | \$ 12,088.00 | |
| G.3. Erosion Control Standards and Details | \$ 2,328.00 | \$ - | \$ - | \$ - | \$ 2,328.00 | |
| H.1. Existing and Proposed Utility Layouts | \$ 6,888.00 | \$ - | \$ - | \$ - | \$ 6,888.00 | |
| III. Miscellaneous Services | | | | | | \$ 53,920.00 |
| A. Project Manual Development | \$ 7,736.00 | \$ - | \$ - | \$ - | \$ 7,736.00 | |
| B. Drainage Report | \$ 9,480.00 | \$ - | \$ - | \$ - | \$ 9,480.00 | |
| C. FEMA CLOMR | \$ 10,736.00 | \$ - | \$ - | \$ - | \$ 10,736.00 | |
| D. Construction Cost Estimate | \$ 8,568.00 | \$ 2,672.00 | \$ - | \$ - | \$ 11,240.00 | |
| E. Bidding/Letting Services | \$ 11,496.00 | \$ - | \$ - | \$ - | \$ 11,496.00 | |
| F. Permitting (TxDOT/WCCHD) | \$ 3,232.00 | \$ - | \$ - | \$ - | \$ 3,232.00 | |
| IV. Surveying - SAM, Inc. | | | | | | \$ 177,775.00 |
| A. Design Survey | \$ - | \$ - | \$ 39,830.00 | \$ - | \$ 39,830.00 | |
| B. Right of Way Surveys | \$ - | \$ - | \$ 137,945.00 | \$ - | \$ 137,945.00 | |
| V. Geotechnical Investigations/Engineer - Fugro Consultants | | | | | | \$ 17,440.00 |
| A. Geotechnical Soil Borings | \$ - | \$ - | \$ - | \$ 4,760.00 | \$ 4,760.00 | |
| B. Laboratory Investigation | \$ - | \$ - | \$ - | \$ 2,160.00 | \$ 2,160.00 | |
| C. Geotechnical Report | \$ - | \$ - | \$ - | \$ 2,500.00 | \$ 2,500.00 | |
| D. Geotechnical Engineering for Bridge Design | \$ - | \$ - | \$ - | \$ 8,020.00 | \$ 8,020.00 | |
| LABOR COST: | \$ 390,592.00 | \$ 95,736.00 | \$ 177,775.00 | \$ 17,440.00 | \$ 681,543.00 | \$ 681,543.00 |
| TOTAL DIRECT EXPENSES COST: | \$ 10,740.00 | \$ 220.00 | \$ 29,130.46 | \$ 20,950.00 | \$ 61,040.46 | |
| TOTAL PROJECT COST: | \$ 401,332.00 | \$ 95,956.00 | \$ 206,905.46 | \$ 38,390.00 | \$ 742,583.46 | |

COUNTY ROAD 101
Williamson County
Exhibit D

| TASK | Hourly Rate: | SHEETS/ UNITS | PRINCIPAL \$ 185.00 | PROJECT MANAGER \$178.00 | SENIOR ENGINEER \$178.00 | ENGINEER \$128.00 | ETT \$81.00 Hours | SR. ENGR. TECH. \$91.00 | ENGR. TECH. \$83.00 | CADD TECH \$52.00 | CLERICAL \$64.00 | Sub Total Hours | Hr/Unit |
|--|--------------|------------------|------------------------|--------------------------------|--------------------------------|----------------------|-------------------------|-------------------------------|---------------------------|-------------------------|---------------------|--------------------|---------|
| K Friese & Associates, Inc. | | | | | | | | | | | | | |
| I. Project Management | | | | | | | | | | | | | |
| A. Project Management (12 months) | | 12 | 32 | 96 | | 36 | | | | | 60 | 224 | 18.7 |
| II. Construction Plans | | | | | | | | | | | | | |
| A.1. Title Sheet | | 1 | | 1 | | | 4 | 2 | 6 | | | 13 | 13.0 |
| A.2. Index of Sheets | | 1 | | 1 | | | 2 | 2 | 4 | | | 9 | 9.0 |
| A.3. General Notes | | 4 | | 8 | | | 24 | 24 | 24 | | | 80 | 20.0 |
| A.4. Summaries | | 10 | | 24 | | | 120 | 24 | 24 | | | 192 | 19.2 |
| A.5. Project Layouts | | 2 | | 2 | | | 8 | 4 | 16 | | | 30 | 15.0 |
| A.6. Survey Data | | 1 | | 1 | | | 2 | 2 | 6 | | | 11 | 11.0 |
| A.7. Horizontal Alignment Data | | 2 | | 4 | | 12 | 8 | 8 | 8 | | | 40 | 20.0 |
| A.8. Table of Cross-Slopes | | 2 | | 4 | | 8 | 12 | 12 | 8 | | | 44 | 22.0 |
| A.9. Ditch Grade Summary | | 1 | | 2 | | 4 | 8 | 8 | 12 | | | 34 | 34.0 |
| B.1. Traffic Control Notes and Construction Sequence | | 1 | | 1 | | 4 | 4 | 2 | 8 | | | 19 | 19.0 |
| B.2. Traffic Control Plans | | 56 | | 16 | | 40 | 60 | 100 | 160 | | | 376 | 10.0 |
| B.3. Traffic Control Standards and Details | | 15 | | 2 | | 12 | 32 | 32 | 60 | | | 138 | 9.2 |
| C.1. Existing Typical Sections | | 1 | | 2 | | 2 | 4 | 8 | 8 | | | 24 | 24.0 |
| C.2. Proposed Typical Sections | | 3 | | 12 | | 2 | 8 | 16 | 24 | | | 62 | 20.7 |
| C.3. Plan and Profile Sheets | | 18 | | 45 | | 45 | 72 | 128 | 128 | | | 418 | 23.2 |
| C.4. Intersection Layouts (2 per sheet) | | 3 | | 8 | | 8 | 16 | 16 | 24 | | | 72 | 24.0 |
| C.5. Driveway Plan and Profiles (2 per sheet) | | 13 | | 18 | | 52 | 104 | 52 | 52 | | | 278 | 21.4 |
| C.6. Driveway Details Sheets | | 1 | | 1 | | | 4 | 8 | 8 | | | 21 | 21.0 |
| C.7. Roadway Standards and Details | | 8 | | 8 | | 16 | 32 | 8 | 32 | | | 96 | 12.0 |
| C.8. Cross-Section Sheets (191 Sections, 3 per sheet) | | 64 | | 16 | | | 128 | 256 | | | | 400 | 6.3 |
| D.1. Bridge Layouts | | | | | | | | | | | | | |
| D.2. Structural Rating for Existing Little Mustance Cr. Bridge | | | | | | | | | | | | | |
| D.3. Bridge Geometry Sheets | | | | | | | | | | | | | |
| D.4. Estimated Quantities and Bearing Seat Elevations | | | | | | | | | | | | | |
| D.5. Bridge Scour Analysis & Sheets | | 2 | | 8 | | 16 | 24 | | 16 | | | 64 | 32.0 |
| D.6. Abutment Sheets | | | | | | | | | | | | | |
| D.7. Wingwall Stabilization Anchor and Details | | | | | | | | | | | | | |
| D.8. Bridge Interior Bent Sheets | | | | | | | | | | | | | |
| D.9. Bridge Span Sheets | | | | | | | | | | | | | |
| D.10. Misc Slab Details | | | | | | | | | | | | | |
| D.11. Foundation Design | | | | | | | | | | | | | |
| D.12. Bridge Misc Details | | | | | | | | | | | | | |
| E.1. Overall Drainage Area Map | | 1 | | 4 | | 12 | 12 | 12 | | | | 40 | 40.0 |
| E.2. Ditch Drainage Area Maps | | 8 | | 8 | | 24 | 32 | 32 | 32 | | | 128 | 16.0 |
| E.3. Hydrology Data Sheets | | 2 | | 8 | | 16 | 24 | 8 | 16 | | | 72 | 36.0 |
| E.4. Bridge Hydraulic Data Sheets | | 2 | | 8 | | 16 | 24 | 8 | 8 | | | 64 | 32.0 |
| E.5. Drainage Standards and Details | | 5 | | 2 | | 4 | 8 | 16 | 16 | | | 46 | 9.2 |
| F.1. Signing and Marking Layout Sheets | | 8 | | 8 | | 16 | | 32 | 40 | | | 96 | 12.0 |
| F.2. Signing and Marking Details and Standards | | 16 | | 2 | | 4 | 8 | | 16 | | | 30 | 1.9 |
| F.3. Future Signal Conduit Layout Sheets | | 2 | | 2 | | 4 | 8 | | 8 | | | 22 | 11.0 |
| G.1. Stormwater Pollution Prevention Plan (SWPPP) | | 1 | | 2 | | 4 | 12 | 12 | 8 | | | 38 | 38.0 |
| G.2. Erosion Control Plans | | 8 | | 12 | | 24 | 40 | 40 | | | | 116 | 14.5 |
| G.3. Erosion Control Standards and Details | | 2 | | 2 | | 2 | 4 | 8 | 8 | | | 24 | 12.0 |
| H.1. Existing and Proposed Utility Layouts | | 8 | | 4 | | 16 | 24 | 24 | | | | 68 | 8.5 |
| III. Miscellaneous Services | | | | | | | | | | | | | |
| A. Project Manual Development | | | | 8 | | 16 | 40 | | | | 16 | 80 | |
| B. Drainage Report | | | | 12 | | 16 | 40 | 8 | 16 | | | 92 | |
| C. FEMA CLOMR | | | | 12 | | 40 | 24 | | | | 24 | 100 | |
| D. Construction Cost Estimate | | | | 8 | | 8 | 24 | 24 | 24 | | | 88 | |
| E. Bidding/Letting Services | | | | 32 | | 8 | 40 | | | | 24 | 104 | |

COUNTY ROAD 101
Williamson County
Exhibit D

| | | | | | | | | | | | | |
|---|----------|-----------|------|-----------|-----------|-----------|-----------|--|----------|---|----|------------------------|
| F. Permitting (TxDOT/WCCHD) | | | | 8 | | 16 | | | | 8 | 32 | |
| IV. Surveying - SAM, Inc. | | | | | | | | | | | | |
| A. Design Survey | | | | | | | | | | | | |
| B. Right of Way Surveys | | | | | | | | | | | | |
| V. Geotechnical Investigations/Engineer - Fugro Consultants | | | | | | | | | | | | |
| A. Geotechnical Soil Borings | | | | | | | | | | | | |
| B. Laboratory Investigation | | | | | | | | | | | | |
| C. Geotechnical Report | | | | | | | | | | | | |
| D. Geotechnical Engineering for Bridge Design | | | | | | | | | | | | |
| TOTAL NUMBER OF SHEETS: | | | | | | | | | | | | |
| HOURS: | | | | | | | | | | | | Contract Total = 3,085 |
| LABOR COST: | \$ 5,920 | \$ 75,116 | \$ - | \$ 62,336 | \$ 85,536 | \$ 85,176 | \$ 68,060 | | \$ 8,448 | | | New Total = 3,085 |
| | 0.8% | 10.9% | | 12.6% | 27.2% | 24.1% | 21.1% | | 3.4% | | | |

| DIRECT EXPENSES: | | | | | |
|---------------------------|--------------|--|--|---------------------|------------|
| Travel: | | | | | |
| Mileage | 4000 miles | | | \$0.49 per mile | \$1,940.00 |
| Per diem | days | | | \$25.00 per day | |
| Lodging | nights | | | \$100.00 per night | |
| Copies: | | | | | |
| Reproduction | 15000 copies | | | \$0.20 per copy | \$3,000.00 |
| Media (mylar) | 400 sheets | | | \$1.50 per sheet | \$600.00 |
| Misc Expenses: | | | | | |
| Express delivery | 20 each | | | \$20.00 per each | \$400.00 |
| Research Materials | | | | | |
| CLOMR Application Fee | | | | \$4,400.00 flat fee | \$4,400.00 |
| FEMA Data acquisition fee | | | | \$400.00 at cost | \$400.00 |
| TOTAL DIRECT COST: | | | | | \$ 10,740 |
| TOTAL PROJECT COST: | | | | | \$ 401,332 |

COUNTY ROAD 101
Williamson County
Exhibit D

| TASK | Hourly Rate: | SHEETS/ UNITS | PROJECT MANAGER \$200.00 | PROJECT ENGINEER \$166.00 | DESIGN ENGINEER \$142.00 | SR. STRUCT. TECH \$123.00 | SENIOR TECH/EIT \$112.00 | CADD TECH \$83.00 | ADMIN / CLERICAL \$68.00 | Sub Total Hours | Hr/Unit |
|--|--------------|------------------|--------------------------------|---------------------------------|--------------------------------|------------------------------------|--------------------------------|-------------------------|--------------------------------|--------------------|---------|
| HDR, Inc. | | | | | | | | | | | |
| I. Project Management | | | | | | | | | | | |
| A. Project Management | | | 64 | 4 | | | | | 16 | 84 | |
| III. Construction Plans | | | | | | | | | | | |
| D.1. Bridge Layouts | 2 | 6 | 16 | 40 | | | 24 | 48 | | 134 | 67.0 |
| D.2. Structural Rating for Existing Little Mustange Cr. Bridge | | 1 | 4 | 8 | | | | | | 13 | |
| D.3. Bridge Geometry Sheets | | 2 | | 14 | | | | | | 16 | |
| D.4. Estimated Quantities and Bearing Seat Elevations | 2 | | | 8 | 8 | | | 16 | | 32 | 16.0 |
| D.6. Abutment Sheets | 5 | 4 | | 32 | 48 | | | 48 | | 132 | 26.4 |
| D.7. Wingwall Stabilization Anchor and Details | 3 | 4 | 8 | 24 | 16 | 8 | 24 | | | 84 | 28.0 |
| D.8. Bridge Interior Bent Sheets | 2 | 4 | 4 | 16 | 28 | 16 | 16 | | | 84 | 42.0 |
| D.9. Bridge Span Sheets | 3 | 4 | 6 | 12 | 20 | 8 | 32 | | | 82 | 27.3 |
| D.10. Misc Slab Details | 2 | 1 | 4 | 12 | 2 | 8 | 8 | | | 35 | 17.5 |
| D.11. Foundation Design | | 2 | | 16 | | | 4 | | | 22 | |
| D.12. Bridge Misc Details | | 21 | 1 | 5 | 2 | | 6 | | | 14 | 0.7 |
| IV. Miscellaneous Services | | | | | | | | | | | |
| D. Construction Cost Estimate | | | 2 | | 16 | | | | | 18 | |
| TOTAL NUMBER OF SHEETS: | | | | | | | | | | | |
| HOURS: | | | 95 | 46 | 203 | 124 | 64 | 202 | 16 | Column Total = 798 | |
| LABOR COST: | | | \$ 19,000 | \$ 7,636 | \$ 28,826 | \$ 15,252 | \$ 7,168 | \$ 16,766 | \$ 1,088 | Row Total = 798 | |
| | | | 12.7% | 6.1% | 27.1% | 16.5% | 8.5% | 26.9% | 2.1% | | |

| DIRECT EXPENSES: | | | | |
|----------------------------|------------|--|------------------|---------------------|
| Travel: | | | | |
| Mileage | 120 miles | | \$0.55 per mile | \$66.00 |
| Per diem | | | | |
| Lodging | | | | |
| Copies: | | | | |
| 8.5" x 11" Printing | 500 copies | | \$0.05 per copy | \$25.00 |
| 11" x 17" Printing | 90 sheets | | \$0.10 per sheet | \$9.00 |
| Mylars | 30 sheets | | \$2.00 | \$60.00 |
| Misc Expenses: | | | | |
| Express delivery | 3 each | | \$20.00 per each | \$60.00 |
| TOTAL DIRECT COST: | | | | \$ 220 |
| TOTAL PROJECT COST: | | | | \$ 95,956.00 |

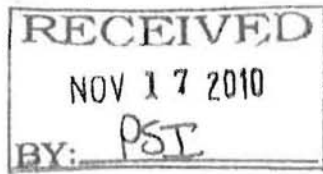
[illegible]

| CURRENT EXPENSE | | | | | |
|-----------------|----------------------------|------------|--------------------|--------------|--|
| | Travel | 4000 miles | \$4.00 per mile | \$ 17,920.00 | |
| | Mileage | Per day | \$25.00 per day | \$ - | |
| | Lodging | per night | \$100.00 per night | \$ - | |
| | Copies | | | | |
| | Copies of Charts and Plans | 1 at Cost | \$750.00 each | \$ 750.00 | |
| | Mile Expenses | 1 Day | \$6,000.00 per Day | \$ 6,000.00 | |
| | Machine Mapping Systems | 3rd Year | \$25,000 per Year | \$ 8,000.00 | |
| | GPS Receiver | | | | |
| | Tax on GPS System | 6.25 % | \$ - | \$ 7,792.00 | |
| | TOTAL PROJECT COST: | | | \$ 31,462.00 | |
| | TOTAL PROJECT COST: | | | \$ - | |

| | | | | | |
|---------------------|--|---------------------|-------------------|--|-------------|
| SUBJECT EXPENSE | Tolls | 100 miles 4 days | \$ 4.00 | | \$400.00 |
| | Airports/Station | | \$ 75.00 | | \$750.00 |
| | Luggage Transportation | | | | \$11,335.00 |
| | Food/Beverage | | | | \$2,700.00 |
| | Drilling and Field Testing Traffic Control Laboratory Investigation Lab Tests | 3 days | \$ 900.00 per Day | | \$6,015.00 |
| TOTAL DIRECT COST: | | | | | \$ 20,880 |
| TOTAL PROJECT COST: | | | | | \$ |

APPENDIX B

ENGINEER'S QUALIFICATIONS STATEMENT



Project Name: County Road 101

ATTACHMENT A

WORK AUTHORIZATION NO. 1

This Work Authorization is made pursuant to the terms and conditions of the Agreement entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "*County*") and K Friese & Associates, Inc. (the "*Engineer*").

Part 1. The *Engineer* will provide the following engineering services:

See Exhibit B – Services to be Provided by Engineer

Part 2. The maximum amount payable for services under this Work Authorization without modification is \$742,583.46.

Part 3. Payment to the *Engineer* for the services established under this Work Authorization shall be made in accordance with the Agreement.

Part 4. This Work Authorization shall become effective on the date of final acceptance of the parties hereto and shall terminate on December 31, 2011, unless extended by a Supplemental Work Authorization.

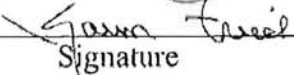
Part 5. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Agreement.

Project Name: County Road 101

ATTACHMENT A (con't.)

Part 6. This Work Authorization is hereby accepted and acknowledged below.

ENGINEER:
K Friese & Associates, Inc.

By: 
Signature

Karen A. Friese, P.E.
Printed Name

President
Title

11/16/10
Date

COUNTY:
Williamson County, Texas

By: 
Signature

Dan A. Gattis
Printed Name

County Judge
Title

12-16-10
Date

LIST OF EXHIBITS

Exhibit A - Services to be Provided by County

Exhibit B - Services to be Provided by Engineer

Exhibit C - Work Schedule

Exhibit D - Fee Schedule *(based on approved rates in PSA Exhibit II executed by
Commissioners Court action)*

*OK
my 11/16/2010*

Exhibit A – Services to be provided by County

The *County* will provide the following services:

I. Environmental Documentation – The County will be responsible for obtaining required Environmental Approval for construction; tasks will include:

- A. USACE Jurisdictional Waters Delineation
- B. Archaeological Investigations
- C. Phase I Environmental Site Assessment
- D. Threatened and Endangered Species Assessment

II. Pavement Thickness Recommendation – The County will provide KFA with a pavement design recommendation.

Exhibit B – Services to be provided by the Engineer

The *Engineer* will provide the following engineering services:

COUNTY ROAD 101

Project Limits: From SH 79 to Chandler Road

Proposed Action: Develop Plans, Specifications and Estimates for the widening of the existing CR 101. County Road 101 will ultimately be a four lane undivided rural facility. The interim facility will be a two lane undivided facility with shoulders. The proposed ROW will be 100'.

Scope of Services: This project will be a Williamson County road. All design work will be completed according to the requirements outlined in the latest version of the Williamson County design manual. This project shall be developed with TxDOT 2004 Standard Specifications. Services will include:

I. Project Management – During the course of the project, the Engineer will maintain communication with the County, the County's GEC, Utility companies (in order to assist with relocation efforts), and other agencies as necessary to ensure that project progress is maintained. Project management will also be necessary to ensure that the multi-discipline team is responsive to any changes in scope or process while maintaining project schedule and budget. As part of the Project Management, Quality Assurance/Quality Control will be performed on geometrics, drainage, cross sections, miscellaneous elements as well as the Project Manual. In addition, all required permits will be secured.

II. Construction Plans – Design tasks will include the tasks detailed in this scope of services for the development the Plans, Specifications and Estimates (PS&E) generally following Williamson County and or TxDOT standards for the referenced project including:

A. Overall Sheets

1. Title Sheet
2. Index of Sheets
3. General Notes
4. Summaries
5. Project Layouts
6. Survey Data
7. Horizontal Alignment Data
8. Table of Cross-Slopes
9. Ditch Grade Summary

B. Traffic Control Sheets

1. Traffic Control Notes and Construction Sequence
2. Traffic Control Plans
3. Traffic Control Standards and Details

C. Roadway Sheets

1. Existing Typical Sections
2. Proposed Typical Sections
3. Plan and Profiles

4. Intersection Layouts
 5. Driveway Plan and Profiles
 6. Driveway Details
 7. Roadway Standards and Details
 8. Cross Section Design (utilities included in cross sections)
 - D. Bridge Sheets
 1. Bridge Layout Sheets
 2. Structural Rating for Existing Little Mustang Creek Bridge
 3. Bridge Geometry Sheets
 4. Estimated Quantities and Bearing Seat Elevations
 5. Bridge Scour Sheets
 6. Abutment Sheets
 7. Wingwall Stabilization Anchor and Details
 8. Bridge Interior Bent Sheets
 9. Bridge Span Sheets
 10. Misc Slab Details
 11. Foundation Design
 12. Bridge Misc Details
 - E. Drainage Sheets
 1. Overall Drainage Area Map
 2. Ditch Drainage Area Maps
 3. Hydrology Data Sheets
 4. Bridge Hydraulic Calculations
 5. Drainage Standards and Details
 - F. Traffic Sheets
 1. Signing and Marking Layout Sheets
 2. Sign Details
 3. Future signal conduit sheets
 - G. Erosion Control Sheets
 1. Storm Water Pollution Prevention Plan (SWPPP)
 2. Erosion Control Plans
 3. Erosion Control Standards and Details
 - H. Utility Sheets
 1. Existing and proposed utility layouts
- All work will be prepared in English units
 - Copies of all electronic files will be submitted to the county at the conclusion of the PS&E Development

III. Miscellaneous Services - tasks will include the tasks detailed in this scope of services for additional services including:

- A. Project Manual Development
- B. Drainage Report
- C. FEMA Conditional Letter of Map Revision (CLOMR)
- D. Construction Cost Estimate
- E. Bidding / Letting services
- F. Permitting – Preparation and submittal of TxDOT permit for U.S. Hwy 79 intersection and Williamson County and Cities Health District (WCCHD) Floodplain Development Permit

IV. Surveying – Surveying Tasks will include:

- A. Design Survey
- B. Right of Way Surveys (estimated 42 ROW tracts) and Parcel Maps

V. Geotechnical Investigations/Engineer – Geotechnical Investigations/Engineering Tasks will include:

- A. Geotechnical Soil Borings for Bridge Design
- B. Laboratory Investigation
- C. Geotechnical Report
- D. Geotechnical Engineering for Bridge Design

Subcontracted Tasks – Several tasks will be subcontracted in part or in whole. All subcontracted work will comply with the requirements outlined in this Scope of Services.

Subcontracted tasks include:

- Environmental Documentation
- Surveying
- Bridge Design
- Geotechnical investigations for bridge design

Deliverables:

All contract documents, including hard copies and electronic files shall be turned over to the County at the completion of the project. Contract Documents shall be posted on the County's Internet project management database as requested during the project development and / or at the completion of the project. Plan sheets will be 11"X17".

All submittals will include 3 hard copies and Adobe .pdf files uploaded to Project Wise. Deliverables will include 30%, 60%, 90%, and 100% (Final) submittals as detailed:

1. 30% submittal will include:

- Title Sheet
- Project Layout
- Typical Sections
- General Notes
- Survey Data
- Quantity Sheets
- Roadway Plan and Profile Sheets

- Drainage Area Maps
- Bridge Layout Sheets
- Bridge Typical Sections
- Preliminary drainage calculations report
- Preliminary culvert layouts
- Roll plot layout of TCP phases
- Preliminary Bridge Layout and Typical Section
- Six copies of roll plot (color) displaying Schematic Alignment and ROW information including boundaries, owner names, parcel and easement numbers, stationing, and an aerial background
- Special Provision Forms
- Geotechnical Report
- Initial Construction Time Duration
- Initial Construction Cost Estimate
- Updated Design Schedule

2. 60% submittal will include:

- Title Sheet
- Project Layout Sheet
- Typical Sections
- General Notes
- Survey Data
- Quantity Sheets
- Traffic Control Plans
- All Roadway plan / profile sheets developed
- Bridge Sheets
- Cross Sections
- All drainage sheets developed
- Final drainage report
- FEMA CLOMR application package
- Erosion Control sheets
- TCP sheets
- Signing and Striping layouts
- List of Standards
- Updated Design Schedule
- Updated Special Provision Forms
- 30% Review Comment Responses
- Updated Drainage Report

3. 90% submittal will include:

- Title Sheet
- Project Layout Sheet
- Typical Sections
- General Notes
- Survey Data
- Quantity Sheets
- Traffic Control Plans

- All Roadway plan / profile sheets developed
- Bridge Sheets
- All drainage sheets developed
- Final drainage report
- FEMA CLOMR application package
- Erosion Control sheets
- TCP sheets
- Signing and Striping layouts
- List of Standards
- Updated Design Schedule
- Updated Special Provision Forms
- 60% Review Comment Responses
- Updated Drainage Report
- Full set of plan sheets with quantities and Standards
- Final Cross Sections and Earthwork Calculations
- Project Manual
- Geotechnical Report with boring logs will be included in Project Manual as an appendix
- Updated construction duration
- Updated Construction Cost Estimate
- CAD Design Files (.zip)

4. 100% submittal will include:

- All items of 90% submittal with corrections from 90% review
- Final Construction Cost Estimate
- Estimated construction duration

Bidding Phase services will include:

- Distribute bid packages to contractors and maintain planholders list.
- Attend pre-bid meeting and furnish construction documents to prospective bidders
- Respond to bidder's questions during the bid period
- Prepare and distribute project addenda during bid period
- Analyze contractor bids, prepare bid tabulation, and make recommendation for award to the apparent low bidder
- Furnish construction documents to awarded contractor
- Attend pre-construction conference

Tasks Not Included– The following tasks and items are not included:

- Rights of Entry
- Cross Sections for construction phasing
- Construction services including inspection, testing, pay estimates, etc.
- Public Meeting attendance or exhibit development
- Utility relocation design
- Environmental mitigation or remediation
- Section 106 cultural resource survey
- Traffic projections

- Traffic signal warrant studies
- Traffic signal design
- Illumination design
- Geotechnical borings for pavement design

Exhibit C – Work Schedule

| | |
|--------------------|------------------|
| Notice To Proceed: | December 1, 2010 |
| 30% Submittal | May 1, 2011 |
| 60% Submittal | August 1, 2011 |
| 90% Submittal | November 1, 2011 |
| 100% Submittal | March 1, 2012 |

Exhibit D – Fee Schedule

*(Based on approved rates in PSA Exhibit II executed by
Commissioners Court action)*

HOURLY RATES

| | |
|------------------------------------|----------|
| 1. Principal..... | \$185.00 |
| 2. Project Manager..... | \$178.00 |
| 3. Senior Engineer..... | \$178.00 |
| 4. Project Engineer | \$128.00 |
| 5. EIT..... | \$ 81.00 |
| 6. Sr. Engineering Technician..... | \$ 91.00 |
| 7. Engineering Technician..... | \$ 83.00 |
| 8. CADD Technician..... | \$52.00 |
| 9. Adminlstration/Clerical..... | \$64.00 |

COUNTY ROAD 101
Williamson County
Exhibit D

| TASK | KFA | HDR | SAM INC | FUGRO | Total Labor Cost | Total Labor Cost |
|--|----------------------|---------------------|----------------------|---------------------|----------------------|----------------------|
| K Friese & Associates, Inc. | | | | | | |
| I. Project Management | | | | | | \$ 46,008.00 |
| A. Project Management (12 months) | \$ 31,456.00 | \$ 14,552.00 | \$ - | \$ - | \$ 46,008.00 | |
| II. Construction Plans | | | | | | \$ 386,400.00 |
| A.1. Title Sheet | \$ 1,182.00 | \$ - | \$ - | \$ - | \$ 1,182.00 | |
| A.2. Index of Sheets | \$ 854.00 | \$ - | \$ - | \$ - | \$ 854.00 | |
| A.3. General Notes | \$ 7,544.00 | \$ - | \$ - | \$ - | \$ 7,544.00 | |
| A.4. Summaries | \$ 18,168.00 | \$ - | \$ - | \$ - | \$ 18,168.00 | |
| A.5. Project Layouts | \$ 2,696.00 | \$ - | \$ - | \$ - | \$ 2,696.00 | |
| A.6. Survey Data | \$ 1,020.00 | \$ - | \$ - | \$ - | \$ 1,020.00 | |
| A.7. Horizontal Alignment Data | \$ 4,288.00 | \$ - | \$ - | \$ - | \$ 4,288.00 | |
| A.8. Table of Cross-Slopes | \$ 4,464.00 | \$ - | \$ - | \$ - | \$ 4,464.00 | |
| A.9. Ditch Grade Summary | \$ 3,240.00 | \$ - | \$ - | \$ - | \$ 3,240.00 | |
| B.1. Traffic Control Notes and Construction Sequence | \$ 1,860.00 | \$ - | \$ - | \$ - | \$ 1,860.00 | |
| B.2. Traffic Control Plans | \$ 35,208.00 | \$ - | \$ - | \$ - | \$ 35,208.00 | |
| B.3. Traffic Control Standards and Details | \$ 12,376.00 | \$ - | \$ - | \$ - | \$ 12,376.00 | |
| C.1. Existing Typical Sections | \$ 2,328.00 | \$ - | \$ - | \$ - | \$ 2,328.00 | |
| C.2. Proposed Typical Sections | \$ 6,488.00 | \$ - | \$ - | \$ - | \$ 6,488.00 | |
| C.3. Plan and Profile Sheets | \$ 41,874.00 | \$ - | \$ - | \$ - | \$ 41,874.00 | |
| C.4. Intersection Layouts (2 per Sheet) | \$ 7,192.00 | \$ - | \$ - | \$ - | \$ 7,192.00 | |
| C.5. Driveway Plan and Profiles (2 per sheet) | \$ 27,332.00 | \$ - | \$ - | \$ - | \$ 27,332.00 | |
| C.6. Driveway Details Sheets | \$ 1,894.00 | \$ - | \$ - | \$ - | \$ 1,894.00 | |
| C.7. Roadway Standards and Details | \$ 9,448.00 | \$ - | \$ - | \$ - | \$ 9,448.00 | |
| C.8. Cross-Section Sheets (191 Sections, 3 per Sheet) | \$ 36,512.00 | \$ - | \$ - | \$ - | \$ 36,512.00 | |
| D.1. Bridge Layouts | \$ - | \$ 16,208.00 | \$ - | \$ - | \$ 16,208.00 | |
| D.2. Structural Rating for Existing Little Mustange Cr. Bridge | \$ - | \$ 2,000.00 | \$ - | \$ - | \$ 2,000.00 | |
| D.3. Bridge Geometry Sheets | \$ - | \$ 2,388.00 | \$ - | \$ - | \$ 2,388.00 | |
| D.4. Estimated Quantities and Bearing Seat Elevations | \$ - | \$ 3,448.00 | \$ - | \$ - | \$ 3,448.00 | |
| D.5. Bridge Scour Sheets | \$ 6,744.00 | \$ - | \$ - | \$ - | \$ 6,744.00 | |
| D.6. Abutment Sheets | \$ - | \$ 15,232.00 | \$ - | \$ - | \$ 15,232.00 | |
| D.7. Wingwall Stabilization Anchor and Details | \$ - | \$ 10,392.00 | \$ - | \$ - | \$ 10,392.00 | |
| D.8. Bridge Interior Bent Sheets | \$ - | \$ 10,300.00 | \$ - | \$ - | \$ 10,300.00 | |
| D.9. Bridge Span Sheets | \$ - | \$ 9,512.00 | \$ - | \$ - | \$ 9,512.00 | |
| D.10. Misc Slab Details | \$ - | \$ 4,374.00 | \$ - | \$ - | \$ 4,374.00 | |
| D.11. Foundation Design | \$ - | \$ 3,004.00 | \$ - | \$ - | \$ 3,004.00 | |
| D.12. Bridge Misc Details | \$ - | \$ 1,654.00 | \$ - | \$ - | \$ 1,654.00 | |
| E.1. Overall Drainage Area Map | \$ 4,312.00 | \$ - | \$ - | \$ - | \$ 4,312.00 | |
| E.2. Ditch Drainage Area Maps | \$ 12,656.00 | \$ - | \$ - | \$ - | \$ 12,656.00 | |
| E.3. Hydrology Data Sheets | \$ 7,472.00 | \$ - | \$ - | \$ - | \$ 7,472.00 | |
| E.4. Bridge Hydraulic Calculations | \$ 6,808.00 | \$ - | \$ - | \$ - | \$ 6,808.00 | |
| E.5. Drainage Standards and Details | \$ 4,300.00 | \$ - | \$ - | \$ - | \$ 4,300.00 | |
| F.1. Signing and Marking Layout Sheets | \$ 9,704.00 | \$ - | \$ - | \$ - | \$ 9,704.00 | |
| F.2. Signing and Marking Details | \$ 2,844.00 | \$ - | \$ - | \$ - | \$ 2,844.00 | |
| F.3. Future Signal Conduit Sheets | \$ 2,180.00 | \$ - | \$ - | \$ - | \$ 2,180.00 | |
| G.1. Stormwater Pollution Prevention Plan (SWPPP) | \$ 3,596.00 | \$ - | \$ - | \$ - | \$ 3,596.00 | |
| G.2. Erosion Control Plans | \$ 12,088.00 | \$ - | \$ - | \$ - | \$ 12,088.00 | |
| G.3. Erosion Control Standards and Details | \$ 2,328.00 | \$ - | \$ - | \$ - | \$ 2,328.00 | |
| H.1. Existing and Proposed Utility Layouts | \$ 6,888.00 | \$ - | \$ - | \$ - | \$ 6,888.00 | |
| III. Miscellaneous Services | | | | | | \$ 33,920.00 |
| A. Project Manual Development | \$ 7,736.00 | \$ - | \$ - | \$ - | \$ 7,736.00 | |
| B. Drainage Report | \$ 9,480.00 | \$ - | \$ - | \$ - | \$ 9,480.00 | |
| C. FEMA CLOMR | \$ 10,736.00 | \$ - | \$ - | \$ - | \$ 10,736.00 | |
| D. Construction Cost Estimate | \$ 8,568.00 | \$ 2,672.00 | \$ - | \$ - | \$ 11,240.00 | |
| E. Bidding/Letting Services | \$ 11,496.00 | \$ - | \$ - | \$ - | \$ 11,496.00 | |
| F. Permitting (TxDOT/WCCHD) | \$ 3,232.00 | \$ - | \$ - | \$ - | \$ 3,232.00 | |
| IV. Surveying - SAM, Inc. | | | | | | \$ 177,775.00 |
| A. Design Survey | \$ - | \$ - | \$ 39,830.00 | \$ - | \$ 39,830.00 | |
| B. Right of Way Surveys | \$ - | \$ - | \$ 137,945.00 | \$ - | \$ 137,945.00 | |
| V. Geotechnical Investigations/Engineer - Fugro Consultants | | | | | | \$ 17,440.00 |
| A. Geotechnical Soil Borings | \$ - | \$ - | \$ - | \$ 4,760.00 | \$ 4,760.00 | |
| B. Laboratory Investigation | \$ - | \$ - | \$ - | \$ 2,160.00 | \$ 2,160.00 | |
| C. Geotechnical Report | \$ - | \$ - | \$ - | \$ 2,500.00 | \$ 2,500.00 | |
| D. Geotechnical Engineering for Bridge Design | \$ - | \$ - | \$ - | \$ 8,020.00 | \$ 8,020.00 | |
| | | | | | \$ - | |
| LABOR COST: | \$ 390,592.00 | \$ 95,736.00 | \$ 177,775.00 | \$ 17,440.00 | \$ 681,543.00 | \$ 681,543.00 |
| TOTAL DIRECT EXPENSES COST: | \$ 10,740.00 | \$ 220.00 | \$ 29,130.46 | \$ 20,950.00 | \$ 61,040.46 | |
| TOTAL PROJECT COST: | \$ 401,332.00 | \$ 95,956.00 | \$ 206,905.46 | \$ 38,390.00 | \$ 742,583.46 | |

COUNTY ROAD 101
Williamson County
Exhibit D

| TASK | Hourly Rate: | SHEETS/ UNITS | PRINCIPAL \$ 185.00 | PROJECT MANAGER \$178.00 | SENIOR ENGINEER \$178.00 | ENGINEER \$128.00 | EIT \$81.00 | SR. ENGR. TECH. \$91.00 | ENGR. TECH. \$83.00 | CADD TECH \$52.00 | CLERICAL \$64.00 | Sub Total Hours | Hr/Unit |
|---|--------------|------------------|------------------------|--------------------------------|--------------------------------|----------------------|----------------|-------------------------------|---------------------------|-------------------------|---------------------|--------------------|---------|
| K Friese & Associates, Inc. | | | | | | | | | | | | | |
| I. Project Management | | | | | | | | | | | | | |
| A. Project Management (12 months) | | 12 | 32 | 96 | | 36 | | | | | 60 | 234 | 18.7 |
| II. Construction Plans | | | | | | | | | | | | | |
| A.1. Title Sheet | | 1 | | 1 | | | 4 | 2 | 6 | | | 13 | 13.0 |
| A.2. Index of Sheets | | 1 | | 1 | | | 2 | 2 | 4 | | | 9 | 9.0 |
| A.3. General Notes | | 4 | | 8 | | | 24 | 24 | 24 | | | 80 | 20.0 |
| A.4. Summaries | | 10 | | 24 | | | 120 | 24 | 24 | | | 192 | 19.2 |
| A.5. Project Layouts | | 2 | | 2 | | | 8 | 4 | 16 | | | 30 | 15.0 |
| A.6. Survey Data | | 1 | | 1 | | | 2 | 2 | 6 | | | 11 | 11.0 |
| A.7. Horizontal Alignment Data | | 2 | | 4 | | 12 | 8 | 8 | 8 | | | 40 | 20.0 |
| A.8. Table of Cross-Slopes | | 2 | | 4 | | 8 | 12 | 12 | 8 | | | 44 | 22.0 |
| A.9. Ditch Grade Summary | | 1 | | 2 | | 4 | 8 | 8 | 12 | | | 34 | 34.0 |
| B.1. Traffic Control Notes and Construction Sequence | | 1 | | 1 | | 4 | 4 | 2 | 8 | | | 19 | 19.0 |
| B.2. Traffic Control Plans | | 36 | | 16 | | 40 | 60 | 100 | 160 | | | 376 | 10.4 |
| B.3. Traffic Control Standards and Details | | 15 | | 2 | | 12 | 32 | 32 | 60 | | | 138 | 9.2 |
| C.1. Existing Typical Sections | | 1 | | 2 | | 2 | 4 | 8 | 8 | | | 24 | 24.0 |
| C.2. Proposed Typical Sections | | 3 | | 12 | | 2 | 8 | 16 | 24 | | | 62 | 20.7 |
| C.3. Plan and Profile Sheets | | 18 | | 45 | | 45 | 72 | 128 | 128 | | | 418 | 23.2 |
| C.4. Intersection Layouts (2 per sheet) | | 3 | | 8 | | 8 | 16 | 16 | 24 | | | 72 | 24.0 |
| C.5. Driveway Plan and Profiles (2 per sheet) | | 13 | | 18 | | 52 | 104 | 52 | 52 | | | 278 | 21.4 |
| C.6. Driveway Details Sheets | | 1 | | 1 | | | 4 | 8 | 8 | | | 21 | 21.0 |
| C.7. Roadway Standards and Details | | 8 | | 8 | | 16 | 32 | 8 | 32 | | | 96 | 12.0 |
| C.8. Cross-Section Sheets (191 Sections, 3 per sheet) | | 64 | | 16 | | | 128 | 256 | | | | 400 | 6.3 |
| D.1. Bridge Layouts | | | | | | | | | | | | | |
| D.2. Structural Rating for Existing Little Mustang Cr. Bridge | | | | | | | | | | | | | |
| D.3. Bridge Geometry Sheets | | | | | | | | | | | | | |
| D.4. Estimated Quantities and Bearing Seat Elevations | | | | | | | | | | | | | |
| D.5. Bridge Scour Analysis & Sheets | | 2 | | 8 | | 16 | 24 | | 16 | | | 64 | 32.0 |
| D.6. Abutment Sheets | | | | | | | | | | | | | |
| D.7. Wingwall Stabilization Anchor and Details | | | | | | | | | | | | | |
| D.8. Bridge Interior Bent Sheets | | | | | | | | | | | | | |
| D.9. Bridge Span Sheets | | | | | | | | | | | | | |
| D.10. Misc Slab Details | | | | | | | | | | | | | |
| D.11. Foundation Design | | | | | | | | | | | | | |
| D.12. Bridge Misc Details | | | | | | | | | | | | | |
| E.1. Overall Drainage Area Map | | 1 | | 4 | | 12 | 12 | 12 | | | | 40 | 40.0 |
| E.2. Ditch Drainage Area Maps | | 8 | | 8 | | 24 | 32 | 32 | 32 | | | 128 | 16.0 |
| E.3. Hydrology Data Sheets | | 2 | | 8 | | 16 | 24 | 8 | 16 | | | 72 | 36.0 |
| E.4. Bridge Hydraulic Data Sheets | | 2 | | 8 | | 16 | 24 | 8 | 8 | | | 64 | 32.0 |
| E.5. Drainage Standards and Details | | 5 | | 2 | | 4 | 8 | 16 | 16 | | | 46 | 9.2 |
| F.1. Signing and Marking Layout Sheets | | 8 | | 8 | | 16 | | 32 | 40 | | | 96 | 12.0 |
| F.2. Signing and Marking Details and Standards | | 16 | | 2 | | 4 | 8 | | 16 | | | 30 | 1.9 |
| F.3. Future Signal Conduit Layout Sheets | | 2 | | 2 | | 4 | 8 | | 8 | | | 22 | 11.0 |
| G.1. Stormwater Pollution Prevention Plan (SWPPP) | | 1 | | 2 | | 4 | 12 | 12 | 8 | | | 38 | 38.0 |
| G.2. Erosion Control Plans | | 8 | | 12 | | 24 | 40 | 40 | | | | 116 | 14.5 |
| G.3. Erosion Control Standards and Details | | 2 | | 2 | | 2 | 4 | 8 | 8 | | | 24 | 12.0 |
| H.1 Existing and Proposed Utility Layouts | | 8 | | 4 | | 16 | 24 | 24 | | | | 68 | 8.5 |
| III. Miscellaneous Services | | | | | | | | | | | | | |
| A. Project Manual Development | | | | 8 | | 16 | 40 | | | | 16 | 80 | |
| B. Drainage Report | | | | 12 | | 16 | 40 | 8 | 16 | | | 92 | |
| C. FEMA CLOMR | | | | 12 | | 40 | 24 | | | | 24 | 100 | |
| D. Construction Cost Estimate | | | | 8 | | 8 | 24 | 24 | 24 | | | 88 | |
| E. Bidding/Letter Services | | | | 32 | | 8 | 40 | | | | 24 | 104 | |

COUNTY ROAD 101
Williamson County
Exhibit D

| | | | | | | | | | | | | |
|--|--|----------|-----------|------|-----------|-----------|-----------|-----------|--|----------|----|---|
| F. Permitting (TxDOT/WCCHD) | | | 8 | | | 16 | | | | 8 | 32 | |
| IV. Surveying - SAM, Inc. | | | | | | | | | | | | |
| A. Design Survey | | | | | | | | | | | | |
| B. Right of Way Surveys | | | | | | | | | | | | |
| V. Geotechnical Investigations/Engineer - Fegro/Consultants | | | | | | | | | | | | |
| A. Geotechnical Soil Borings | | | | | | | | | | | | |
| B. Laboratory Investigation | | | | | | | | | | | | |
| C. Geotechnical Report | | | | | | | | | | | | |
| D. Geotechnical Engineering for Bridge Design | | | | | | | | | | | | |
| TOTAL NUMBER OF SHEETS: | | | | | | | | | | | | |
| HOURS: | | 32 | 422 | | 487 | 1056 | 936 | 820 | | 132 | | Columns Total = 3,085 Rows Total = 3,085 |
| LABOR COST: | | \$ 5,920 | \$ 75,116 | \$ - | \$ 62,336 | \$ 85,536 | \$ 85,176 | \$ 68,060 | | \$ 8,448 | | |
| | | 0.8% | 10.9% | | 12.5% | 27.2% | 24.1% | 21.1% | | 3.4% | | |

| | | | | | | | | | | | | |
|----------------------------|---------------------------|--|--|-------|--------|--|--|---------------------|--|------------|---------|--|
| DIRECT EXPENSES: | | | | | | | | | | | | |
| | Travel: | | | | | | | | | | | |
| | Mileage | | | 4000 | miles | | | \$0.49 per mile | | \$1,940.00 | | |
| | Per diem | | | | days | | | \$25.00 per day | | | | |
| | Lodging | | | | nights | | | \$100.00 per night | | | | |
| | Copies: | | | | | | | | | | | |
| | Reproduction | | | 15000 | copies | | | \$0.20 per copy | | \$3,000.00 | | |
| | Media (mylar) | | | 400 | sheets | | | \$1.50 per sheet | | \$600.00 | | |
| | Misc Expenses: | | | | | | | | | | | |
| | Express delivery | | | 20 | each | | | \$20.00 per each | | \$400.00 | | |
| | Research Materials | | | | | | | | | | | |
| | CLOMR Application Fee | | | | | | | \$4,400.00 flat fee | | \$4,400.00 | | |
| | FEMA Data acquisition fee | | | | | | | \$400.00 at cost | | \$400.00 | | |
| TOTAL DIRECT COST: | | | | | | | | | | \$ 10,740 | | |
| TOTAL PROJECT COST: | | | | | | | | | | \$ | 401,332 | |

COUNTY ROAD 101
Williamson County
Exhibit D

| TASK | Hourly Rate: | SHEETS/ UNITS | PROJECT MANAGER \$200.00 | PROJECT ENGINEER \$166.00 | DESIGN ENGINEER \$142.00 | SR. STRUCT. TECH \$123.00 Hours | SENIOR TECH/EIT \$112.00 | CADD TECH \$83.00 | ADMIN / CLERICAL \$68.00 | Sub Total Hours | Hr/Unit |
|--|--------------|------------------|--------------------------------|---------------------------------|--------------------------------|---|--------------------------------|-------------------------|--------------------------------|---------------------|---------|
| HDR, Inc. | | | | | | | | | | | |
| I. Project Management | | | | | | | | | | | |
| A. Project Management | | | 64 | 4 | | | | | 16 | 84 | |
| III. Construction Plans | | | | | | | | | | | |
| D.1. Bridge Layouts | 2 | 2 | 6 | 16 | 40 | | 24 | 48 | | 134 | 67.0 |
| D.2. Structural Rating for Existing Little Mustange Cr. Bridge | | | 1 | 4 | 8 | | | | | 13 | |
| D.3. Bridge Geometry Sheets | | | 2 | | 14 | | | | | 16 | |
| D.4. Estimated Quantities and Bearing Seat Elevations | 2 | | | | 8 | 8 | | 16 | | 32 | 16.0 |
| D.6. Abutment Sheets | 5 | | 4 | | 32 | 48 | | 48 | | 132 | 26.4 |
| D.7. Wingwall Stabilization Anchor and Details | 3 | | 4 | 8 | 24 | 16 | 8 | 24 | | 84 | 28.0 |
| D.8. Bridge Interior Bent Sheets | 2 | | 4 | 4 | 16 | 28 | 16 | 16 | | 84 | 42.0 |
| D.9. Bridge Span Sheets | 3 | | 4 | 6 | 12 | 20 | 8 | 32 | | 82 | 27.3 |
| D.10. Misc Slab Details | 2 | | 1 | 4 | 12 | 2 | 8 | 8 | | 35 | 17.5 |
| D.11. Foundation Design | | | 2 | | 16 | | | 4 | | 22 | |
| D.12. Bridge Misc Details | 21 | | 1 | | 5 | 2 | | 6 | | 14 | 0.7 |
| IV. Miscellaneous Services | | | | | | | | | | | |
| D. Construction Cost Estimate | | | 2 | | 16 | | | | | 18 | |
| TOTAL NUMBER OF SHEETS: | | | | | | | | | | Columns Total = 754 | |
| HOURS: | | | 95 | 46 | 203 | 124 | 64 | 202 | 16 | Row Total = 759 | |
| LABOR COST: | | | \$ 19,000 | \$ 7,636 | \$ 28,826 | \$ 15,252 | \$ 7,168 | \$ 16,766 | \$ 1,088 | | |
| | | | 12.7% | 6.1% | 27.1% | 16.5% | 8.5% | 26.9% | 2.1% | | |

| | | | | | |
|----------------------------|---------------------|--|------------|------------------|--------------|
| DIRECT EXPENSES: | | | | | |
| | Travel: | | | | |
| | Mileage | | 120 miles | \$0.55 per mile | \$66.00 |
| | Per diem | | | | |
| | Lodging | | | | |
| | Copies: | | | | |
| | 8.5" x 11" Printing | | 500 copies | \$0.05 per copy | \$25.00 |
| | 11" x 17" Printing | | 90 sheets | \$0.10 per sheet | \$9.00 |
| | Mylars | | 30 sheets | \$2.00 | \$60.00 |
| | Misc Expenses: | | | | |
| | Express delivery | | 3 each | \$20.00 per each | \$60.00 |
| TOTAL DIRECT COST: | | | | | \$ 220 |
| TOTAL PROJECT COST: | | | | | \$ 95,956.00 |

[illegible]

| DIRECT EXPENSES | | TOTAL DIRECT COST | |
|----------------------------|------------|-------------------|---------------|
| Travel | 4000 miles | | \$ 17,798.40 |
| Mileage | days | | |
| Per diem | days | | |
| Lodging | days | | |
| Copies | 1 set Cost | | \$ |
| Copies of Drafts and Plans | | | |
| More Personnel | 1 Day | | \$ 4,000.00 |
| Job-Material System | Not Known | | \$ 9,000.00 |
| GPS Receiver | | | |
| Sub to Total Expenses | 4,250 | | \$ 317,000.00 |

| Project | Task | Hourly Rate | Subcontractor | Project Manager | Project Engineer | Project Surveyor | Project Inspector | Project Assistant | Project Clerk | Project Driver | Project Fuel | Project Other | Project Total | Project Cost |
|---------|----------------|-------------|---------------|-----------------|------------------|------------------|-------------------|-------------------|---------------|----------------|--------------|---------------|---------------|--------------|
| A.1 | Site Work | | | | | | | | | | | | | |
| A.2 | Site of Work | | | | | | | | | | | | | |
| A.3 | General Work | | | | | | | | | | | | | |
| A.4 | General Work | | | | | | | | | | | | | |
| A.5 | Project Layout | | | | | | | | | | | | | |
| A.6 | Survey 1 Day | | | | | | | | | | | | | |
| A.7 | Survey 2 Days | | | | | | | | | | | | | |
| A.8 | Survey 3 Days | | | | | | | | | | | | | |
| A.9 | Survey 4 Days | | | | | | | | | | | | | |
| A.10 | Survey 5 Days | | | | | | | | | | | | | |
| A.11 | Survey 6 Days | | | | | | | | | | | | | |
| A.12 | Survey 7 Days | | | | | | | | | | | | | |
| A.13 | Survey 8 Days | | | | | | | | | | | | | |
| A.14 | Survey 9 Days | | | | | | | | | | | | | |
| A.15 | Survey 10 Days | | | | | | | | | | | | | |
| A.16 | Survey 11 Days | | | | | | | | | | | | | |
| A.17 | Survey 12 Days | | | | | | | | | | | | | |
| A.18 | Survey 13 Days | | | | | | | | | | | | | |
| A.19 | Survey 14 Days | | | | | | | | | | | | | |
| A.20 | Survey 15 Days | | | | | | | | | | | | | |
| A.21 | Survey 16 Days | | | | | | | | | | | | | |
| A.22 | Survey 17 Days | | | | | | | | | | | | | |
| A.23 | Survey 18 Days | | | | | | | | | | | | | |
| A.24 | Survey 19 Days | | | | | | | | | | | | | |
| A.25 | Survey 20 Days | | | | | | | | | | | | | |
| A.26 | Survey 21 Days | | | | | | | | | | | | | |
| A.27 | Survey 22 Days | | | | | | | | | | | | | |
| A.28 | Survey 23 Days | | | | | | | | | | | | | |
| A.29 | Survey 24 Days | | | | | | | | | | | | | |
| A.30 | Survey 25 Days | | | | | | | | | | | | | |
| A.31 | Survey 26 Days | | | | | | | | | | | | | |
| A.32 | Survey 27 Days | | | | | | | | | | | | | |
| A.33 | Survey 28 Days | | | | | | | | | | | | | |
| A.34 | Survey 29 Days | | | | | | | | | | | | | |
| A.35 | Survey 30 Days | | | | | | | | | | | | | |
| A.36 | Survey 31 Days | | | | | | | | | | | | | |
| A.37 | Survey 32 Days | | | | | | | | | | | | | |
| A.38 | Survey 33 Days | | | | | | | | | | | | | |
| A.39 | Survey 34 Days | | | | | | | | | | | | | |
| A.40 | Survey 35 Days | | | | | | | | | | | | | |
| A.41 | Survey 36 Days | | | | | | | | | | | | | |
| A.42 | Survey 37 Days | | | | | | | | | | | | | |
| A.43 | Survey 38 Days | | | | | | | | | | | | | |
| A.44 | Survey 39 Days | | | | | | | | | | | | | |

| DIRECT EXPENSE | | | | | |
|-----------------------------|--|--|--|--|-------------------|
| Travel | | | | | \$ 480.00 |
| Meals/Entertainment | | | | | \$ 4.00 |
| Unexp. Transportation | | | | | \$ 75.00 |
| Field Rentals | | | | | \$ 900.00 Per Day |
| Drilling and Field Trilling | | | | | \$11,500.00 |
| Traffic Control | | | | | \$2,700.00 |
| Laboratory Investigations | | | | | \$4,011.00 |
| Lab Time | | | | | |
| TOTAL DIRECT COST: | | | | | \$ 28,994 |
| TOTAL PROJECT COST: | | | | | \$ 33,900.00 |