

# CITY OF ROUND ROCK CONTRACT FOR ENGINEERING SERVICES

# FIRM:AMERICAN STRUCTUREPOINT, INC.("Engineer")ADDRESS:3711 South MoPac Expressway, Building I, Suite 350, Austin, TX 78746PROJECT:Old Settlers Boulevard and Chisholm Trail Road – Intersection Improvements

# THE STATE OF TEXAS

# COUNTY OF WILLIAMSON

THIS CONTRACT FOR ENGINEERING SERVICES ("Contract") is made and entered into on this the \_\_\_\_\_ day of \_\_\_\_\_\_, 2020 by and between the CITY OF ROUND ROCK, a Texas home-rule municipal corporation, whose offices are located at 221 East Main Street, Round Rock, Texas 78664-5299, (hereinafter referred to as "City"), and Engineer, and such Contract is for the purpose of contracting for professional engineering services.

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# **RECITALS:**

WHEREAS, V.T.C.A., Government Code §2254.002(2)(A)(vii) under Subchapter A entitled "Professional Services Procurement Act" provides for the procurement by municipalities of services of professional engineers; and

WHEREAS, City and Engineer desire to contract for such professional engineering services; and

WHEREAS, City and Engineer wish to document their agreement concerning the requirements and respective obligations of the parties;

# NOW, THEREFORE, WITNESSETH:

That for and in consideration of the mutual promises contained herein and other good and valuable considerations, and the covenants and agreements hereinafter contained to be kept and performed by the respective parties hereto, it is agreed as follows:

Engineering Services Contract 0199.202034; 00455647

#### **CONTRACT DOCUMENTS**

The Contract Documents consist of this Contract and any exhibits attached hereto (which exhibits are hereby incorporated into and made a part of this Contract) and all Supplemental Contracts (as defined herein in Article 13) which are subsequently issued. These form the entire contract, and all are as fully a part of this Contract as if attached to this Contract or repeated herein.

# ARTICLE 1 CITY SERVICES

City shall perform or provide services as identified in Exhibit A entitled "City Services."

# ARTICLE 2 ENGINEERING SERVICES

Engineer shall perform Engineering Services as identified in Exhibit B entitled "Engineering Services."

Engineer shall perform the Engineering Services in accordance with the Work Schedule as identified in Exhibit C entitled "Work Schedule." Such Work Schedule shall contain a complete schedule so that the Engineering Services under this Contract may be accomplished within the specified time and at the specified cost. The Work Schedule shall provide specific work sequences and definite review times by City and Engineer of all Engineering Services. Should the review times or Engineering Services take longer than shown on the Work Schedule, through no fault of Engineer, Engineer may submit a timely written request for additional time, which shall be subject to the approval of the City Manager.

# ARTICLE 3 CONTRACT TERM

(1) Term. The Engineer is expected to complete the Engineering Services described herein in accordance with the above described Work Schedule. If Engineer does not perform the Engineering Services in accordance with the Work Schedule, then City shall have the right to terminate this Contract as set forth below in Article 20. So long as the City elects not to terminate this Contract, it shall continue from day to day until such time as the Engineering Services are completed. Any Engineering Services performed or costs incurred after the date of termination shall not be eligible for reimbursement. Engineer shall notify City in writing as soon as possible if he/she/it determines, or reasonably anticipates, that the Engineering Services will not be completed in accordance with the Work Schedule.

(2) Work Schedule. Engineer acknowledges that the Work Schedule is of critical importance, and agrees to undertake all necessary efforts to expedite the performance of Engineering Services required herein so that construction of the project will be commenced and completed as scheduled. In this regard, and subject to adjustments in the Work Schedule as provided in Article 2 herein, Engineer shall proceed with sufficient qualified personnel and consultants necessary to fully and timely accomplish all Engineering Services required under this Contract in a professional manner.

(3) Notice to Proceed. After execution of this Contract, Engineer shall not proceed with Engineering Services until authorized in writing by City to proceed as provided in Article 7.

#### ARTICLE 4 COMPENSATION

City shall pay and Engineer agrees to accept the amount shown below as full compensation for the Engineering Services performed and to be performed under this Contract.

The amount payable under this Contract, without modification of the Contract as provided herein, is the sum of <u>One Hundred Thirty-Nine Thousand Three Hundred Eighty-Four and 61/100</u> <u>Dollars (\$139,384.61)</u> as shown in Exhibit D. The lump sum amount payable shall be revised equitably only by written Supplemental Contract in the event of a change in Engineering Services as authorized by City.

Engineer shall prepare and submit to City monthly progress reports in sufficient detail to support the progress of the Engineering Services and to support invoices requesting monthly payment. Any preferred format of City for such monthly progress reports shall be identified in Exhibit B. Satisfactory progress of Engineering Services shall be an absolute condition of payment.

The fee herein referenced may be adjusted for additional Engineering Services requested and performed only if approved by written Supplemental Contract.

# ARTICLE 5 METHOD OF PAYMENT

Payments to Engineer shall be made while Engineering Services are in progress. Engineer shall prepare and submit to City, not more frequently than once per month, a progress report as referenced in Article 4 above. Such progress report shall state the percentage of completion of Engineering Services accomplished during that billing period and to date. Simultaneous with submission of such progress report, Engineer shall prepare and submit one (1) original and one (1) copy of a certified invoice in a form acceptable to City. This submittal shall also include a progress assessment report in a form acceptable to City.

Progress payments shall be made in proportion to the percentage of completion of Engineering Services identified in Exhibit D. Progress payments shall be made by City based upon Engineering Services actually provided and performed. Upon timely receipt and approval of each statement, City shall make a good faith effort to pay the amount which is due and payable within thirty (30) days. City reserves the right to withhold payment pending verification of satisfactory Engineering Services performed. Engineer has the responsibility to submit proof to City, adequate and sufficient in its determination, that tasks were completed.

The certified statements shall show the total amount earned to the date of submission and shall show the amount due and payable as of the date of the current statement. Final payment does not relieve Engineer of the responsibility of correcting any errors and/or omissions resulting from his/her/its negligence.

#### ARTICLE 6 PROMPT PAYMENT POLICY

In accordance with Chapter 2251, V.T.C.A., Texas Government Code, payment to Engineer will be made within thirty (30) days of the day on which the performance of services was complete, or within thirty (30) days of the day on which City receives a correct invoice for services, whichever is later. Engineer may charge a late fee (fee shall not be greater than that which is permitted by Texas law) for payments not made in accordance with this prompt payment policy; however, this policy does not apply in the event:

- A. There is a bona fide dispute between City and Engineer concerning the supplies, materials, or equipment delivered or the services performed that causes the payment to be late; or
- B. The terms of a federal contract, grant, regulation, or statute prevent City from making a timely payment with federal funds; or
- C. There is a bona fide dispute between Engineer and a subcontractor or between a subcontractor and its supplier concerning supplies, materials, or equipment delivered or the Engineering Services performed which causes the payment to be late; or
- D. The invoice is not mailed to City in strict accordance with instructions, if any, on the purchase order, or this Contract or other such contractual agreement.

City shall document to Engineer the issues related to disputed invoices within ten (10) calendar days of receipt of such invoice. Any non-disputed invoices shall be considered correct and payable per the terms of Chapter 2251, V.T.C.A., Texas Government Code.

# ARTICLE 7 NOTICE TO PROCEED

The Engineer shall not proceed with any task listed on Exhibit B until the City has issued a written Notice to Proceed regarding such task. The City shall not be responsible for work performed or costs incurred by Engineer related to any task for which a Notice to Proceed has not been issued.

#### ARTICLE 8 PROJECT TEAM

City's Designated Representative for purposes of this Contract is as follows:

JC Montelongo, II Project Manager 3400 Sunrise Road Round Rock, TX 78665 Telephone Number (512) 218-7026 Mobile Number (512) 534-1038 Fax Number N/A Email Address jmontelongo@roundrocktexas.gov City's Designated Representative shall be authorized to act on City's behalf with respect to this Contract. City or City's Designated Representative shall render decisions in a timely manner pertaining to documents submitted by Engineer in order to avoid unreasonable delay in the orderly and sequential progress of Engineering Services.

Engineer's Designated Representative for purposes of this Contract is as follows:

Ricardo Zamarripa, PE Vice President 3711 South MoPac Expressway, Building I, Suite 350 Austin, TX 78746 Telephone Number (512) 494-6037 Fax Number (512) 750-5805 Email Address RZamarripa@structurepoint.com

# ARTICLE 9 PROGRESS EVALUATION

Engineer shall, from time to time during the progress of the Engineering Services, confer with City at City's election. Engineer shall prepare and present such information as may be pertinent and necessary, or as may be requested by City, in order for City to evaluate features of the Engineering Services. At the request of City or Engineer, conferences shall be provided at Engineer's office, the offices of City, or at other locations designated by City. When requested by City, such conferences shall also include evaluation of the Engineering Services.

Should City determine that the progress in Engineering Services does not satisfy the Work Schedule, then City shall review the Work Schedule with Engineer to determine corrective action required.

Engineer shall promptly advise City in writing of events which have or may have a significant impact upon the progress of the Engineering Services, including but not limited to the following:

- (1) Problems, delays, adverse conditions which may materially affect the ability to meet the objectives of the Work Schedule, or preclude the attainment of project Engineering Services units by established time periods; and such disclosure shall be accompanied by statement of actions taken or contemplated, and City assistance needed to resolve the situation, if any; and
- (2) Favorable developments or events which enable meeting the Work Schedule goals sooner than anticipated.

#### ARTICLE 10 SUSPENSION

Should City desire to suspend the Engineering Services, but not to terminate this Contract, then such suspension may be effected by City giving Engineer thirty (30) calendar days' verbal notification followed by written confirmation to that effect. Such thirty-day notice may be waived in writing by agreement and signature of both parties. The Engineering Services may be reinstated and resumed in full force and effect within sixty (60) days of receipt of written notice from City to resume the Engineering Services. Such sixty-day notice may be waived in writing by agreement and signature of both parties. If this Contract is suspended for more than thirty (30) days, Engineer shall have the option of terminating this Contract.

If City suspends the Engineering Services, the contract period as determined in Article 3, and the Work Schedule, shall be extended for a time period equal to the suspension period.

City assumes no liability for Engineering Services performed or costs incurred prior to the date authorized by City for Engineer to begin Engineering Services, and/or during periods when Engineering Services is suspended, and/or subsequent to the contract completion date.

#### ARTICLE 11 ADDITIONAL ENGINEERING SERVICES

If Engineer forms a reasonable opinion that any work he/she/it has been directed to perform is beyond the scope of this Contract and as such constitutes extra work, he/she/it shall promptly notify City in writing. In the event City finds that such work does constitute extra work and exceeds the maximum amount payable, City shall so advise Engineer and a written Supplemental Contract will be executed between the parties as provided in Article 13. Engineer shall not perform any proposed additional work nor incur any additional costs prior to the execution, by both parties, of a written Supplemental Contract. City shall not be responsible for actions by Engineer nor for any costs incurred by Engineer relating to additional work not directly associated with the performance of the Engineering Services authorized in this Contract or any amendments thereto.

# ARTICLE 12 CHANGES IN ENGINEERING SERVICES

If City deems it necessary to request changes to previously satisfactorily completed Engineering Services or parts thereof which involve changes to the original Engineering Services or character of Engineering Services under this Contract, then Engineer shall make such revisions as requested and as directed by City. Such revisions shall be considered as additional Engineering Services and paid for as specified under Article 11.

Engineer shall make revisions to Engineering Services authorized hereunder as are necessary to correct errors appearing therein, when required to do so by City. No additional compensation shall be due for such Engineering Services.

#### ARTICLE 13 SUPPLEMENTAL CONTRACTS

The terms of this Contract may be modified by written Supplemental Contract if City determines that there has been a significant change in (1) the scope, complexity or character of the Engineering Services, or (2) the duration of the Engineering Services. Any such Supplemental Contract must be duly authorized by the City. Engineer shall not proceed until the Supplemental Contract has been executed. Additional compensation, if appropriate, shall be identified as provided in Article 4.

It is understood and agreed by and between both parties that Engineer shall make no claim for extra work done or materials furnished until the City authorizes full execution of the written Supplemental Contract and authorization to proceed. City reserves the right to withhold payment pending verification of satisfactory Engineering Services performed.

#### ARTICLE 14 USE OF DOCUMENTS

All documents, including but not limited to drawings, specifications and data or programs stored electronically, (hereinafter referred to as "Instruments of Service") prepared by Engineer and its subcontractors are related exclusively to the services described in this Contract and are intended to be used with respect to this Project. However, it is expressly understood and agreed by and between the parties hereto that all of Engineer's designs under this Contract (including but not limited to tracings, drawings, estimates, specifications, investigations, studies and other documents, completed or partially completed), shall be the property of City to be thereafter used in any lawful manner as City elects. Any such subsequent use made of documents by City shall be at City's sole risk and without liability to Engineer, and, to the extent permitted by law, City shall hold harmless Engineer from all claims, damages, losses and expenses, resulting therefrom. Any modification of the plans will be evidenced on the plans and be signed and sealed by a licensed professional prior to re-use of modified plans.

By execution of this Contract and in confirmation of the fee for services to be paid under this Contract, Engineer hereby conveys, transfers and assigns to City all rights under the Federal Copyright Act of 1976 (or any successor copyright statute), as amended, all common law copyrights and all other intellectual property rights acknowledged by law in the Project designs and work product developed under this Contract. Copies may be retained by Engineer. Engineer shall be liable to City for any loss or damage to any such documents while they are in the possession of or while being worked upon by Engineer or anyone connected with Engineer, including agents, employees, Engineers or subcontractors. All documents so lost or damaged shall be replaced or restored by Engineer without cost to City.

Upon execution of this Contract, Engineer grants to City permission to reproduce Engineer's work and documents for purposes of constructing, using and maintaining the Project, provided that City shall comply with its obligations, including prompt payment of all sums when due, under this Contract. Engineer shall obtain similar permission from Engineer's subcontractors consistent with this Contract. If and upon the date Engineer is adjudged in default of this Contract, City is permitted to authorize other similarly credentialed design professionals to reproduce and, where permitted by law, to make changes, corrections or additions to the work and documents for the purposes of completing, using and maintaining the Project.

City shall not assign, delegate, sublicense, pledge or otherwise transfer any permission granted herein to another party without the prior written contract of Engineer. However, City shall be permitted to authorize the contractor, subcontractors and material or equipment suppliers to reproduce applicable portions of the Instruments of Service appropriate to and for use in their execution of the Work. Submission or distribution of Instruments of Service to meet official regulatory requirements or for similar purposes in connection with the Project is permitted. Any unauthorized use of the Instruments of Service shall be at City's sole risk and without liability to Engineer and its Engineers.

Prior to Engineer providing to City any Instruments of Service in electronic form or City providing to Engineer any electronic data for incorporation into the Instruments of Service, City and Engineer shall by separate written contract set forth the specific conditions governing the format of such Instruments of Service or electronic data, including any special limitations not otherwise provided in this Contract. Any electronic files are provided by Engineer for the convenience of City, and use of them is at City's sole risk. In the case of any defects in electronic files or any discrepancies between them and any hardcopy of the same documents prepared by Engineer, the hardcopy shall prevail. Only printed copies of documents conveyed by Engineer shall be relied upon.

Engineer shall have no liability for changes made to the drawings by other engineers subsequent to the completion of the Project. Any such change shall be sealed by the engineer making that change and shall be appropriately marked to reflect what was changed or modified.

# ARTICLE 15 PERSONNEL, EQUIPMENT AND MATERIAL

Engineer shall furnish and maintain, at its own expense, quarters for the performance of all Engineering Services, and adequate and sufficient personnel and equipment to perform the Engineering Services as required. 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 City, is incompetent or whose conduct becomes detrimental to the Engineering Services shall immediately be removed from association with the project when so instructed by City. Engineer certifies that it presently has adequate qualified personnel in its employment for performance of the Engineering Services required under this Contract, or will obtain such personnel from sources other than City. Engineer may not change the Project Manager without prior written consent of City.

#### ARTICLE 16 SUBCONTRACTING

Engineer shall not assign, subcontract or transfer any portion of the Engineering Services under this Contract without prior written approval from City. All subcontracts shall include the provisions required in this Contract and shall be approved as to form, in writing, by City prior to Engineering Services being performed under the subcontract. No subcontract shall relieve Engineer of any responsibilities under this Contract.

# ARTICLE 17 EVALUATION OF ENGINEERING SERVICES

City, or any authorized representatives of it, shall have the right at all reasonable times to review or otherwise evaluate the Engineering Services performed or being performed hereunder and the premises on which it is being performed. If any review or evaluation is made on the premises of Engineer or a subcontractor, then Engineer shall provide and require its subcontractors to provide all reasonable facilities and assistance for the safety and convenience of City or other representatives in the performance of their duties.

#### ARTICLE 18 SUBMISSION OF REPORTS

All applicable study reports shall be submitted in preliminary form for approval by City before any final report is issued. City's comments on Engineer's preliminary reports shall be addressed in any final report.

#### ARTICLE 19 VIOLATION OF CONTRACT TERMS/BREACH OF CONTRACT

Violation of contract terms or breach of contract by Engineer shall be grounds for termination of this Contract, and any increased costs arising from Engineer's default, breach of contract, or violation of contract terms shall be paid by Engineer.

#### ARTICLE 20 TERMINATION

This Contract may be terminated as set forth below.

- (1) By mutual agreement and consent, in writing, of both parties.
- (2) By City, by notice in writing to Engineer, as a consequence of failure by Engineer to perform the Engineering Services set forth herein in a satisfactory manner.
- (3) By either party, upon the failure of the other party to fulfill its obligations as set forth herein.
- (4) By City, for reasons of its own and not subject to the mutual consent of Engineer, upon not less than thirty (30) days' written notice to Engineer.
- (5) By satisfactory completion of all Engineering Services and obligations described herein.

Should City terminate this Contract as herein provided, no fees other than fees due and payable at the time of termination shall thereafter be paid to Engineer. In determining the value of the Engineering Services performed by Engineer prior to termination, City shall be the sole judge. Compensation for Engineering Services at termination will be based on a percentage of the Engineering Services completed at that time. Should City terminate this Contract under Subsection (4) immediately above, then the amount charged during the thirty-day notice period shall not exceed the amount charged during the preceding thirty (30) days.

If Engineer defaults in the performance of this Contract or if City terminates this Contract for fault on the part of Engineer, then City shall give consideration to the actual costs incurred by Engineer in performing the Engineering Services to the date of default, the amount of Engineering Services required which was satisfactorily completed to date of default, the value of the Engineering Services which are usable to City, the reasonable and necessary cost to City of employing another firm to complete the Engineering Services required and the time required to do so, and other factors which affect the value to City of the Engineering Services performed at the time of default.

The termination of this Contract and payment of an amount in settlement as prescribed above shall extinguish all rights, duties, and obligations of City and Engineer under this Contract, except the obligations set forth herein in Article 21 entitled "Compliance with Laws." If the termination of this Contract is due to the failure of Engineer to fulfill his/her/its contractual obligations, then City may take over the project and prosecute the Engineering Services to completion. In such case, Engineer shall be liable to City for any additional and reasonable costs incurred by City.

Engineer shall be responsible for the settlement of all contractual and administrative issues arising out of any procurements made by Engineer in support of the Engineering Services under this Contract.

# ARTICLE 21 COMPLIANCE WITH LAWS

(1) **Compliance.** Engineer shall comply with all applicable federal, state and local laws, statutes, codes, ordinances, rules and regulations, and the orders and decrees of any court, or administrative bodies or tribunals in any manner affecting the performance of this Contract, including without limitation, minimum/maximum salary and wage statutes and regulations, and licensing laws and regulations. Engineer shall furnish City with satisfactory proof of his/her/its compliance.

Engineer shall further obtain all permits and licenses required in the performance of the Engineering Services contracted for herein.

(2) Taxes. Engineer will pay all taxes, if any, required by law arising by virtue of the Engineering Services performed hereunder. City is qualified for exemption pursuant to the provisions of Section 151.309 of the Texas Limited Sales, Excise, and Use Tax Act.

(3) As required by Chapter 2270, Government Code, Engineer hereby verifies that it does not boycott Israel and will not boycott Israel through the term of this Agreement. For purposes of this verification, "boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israelicontrolled territory, but does not include an action made for ordinary business purposes.

#### ARTICLE 22 INDEMNIFICATION

Engineer shall save and hold City harmless from all liability for damage to the extent that the damage is caused by or results from an act of negligence, intentional tort, intellectual property infringement, or failure to pay a subcontractor or supplier committed by Engineer, Engineer's agent, or another entity over which Engineer exercises control. Engineer shall also save and hold City harmless from any and all expenses, including but not limited to reasonable attorneys' fees which may be incurred by City in litigation or otherwise defending claims or liabilities which may be imposed on City to the extent resulting from such negligent activities by Engineer, its agents, or employees.

#### ARTICLE 23 ENGINEER'S RESPONSIBILITIES

Engineer shall be responsible for the accuracy of his/her/its Engineering Services and shall promptly make necessary revisions or corrections to its work product resulting from errors, omissions, or negligent acts, and same shall be done without compensation. City shall determine Engineer's responsibilities for all questions arising from design errors and/or omissions. Engineer shall not be relieved of responsibility for subsequent correction of any such errors or omissions in its work product, or for clarification of any ambiguities until after the construction phase of the project has been completed.

#### ARTICLE 24 ENGINEER'S SEAL

The responsible engineer shall sign, seal and date all appropriate engineering submissions to City in accordance with the Texas Engineering Practice Act and the rules of the State Board of Registration for Professional Engineers.

# ARTICLE 25 NON-COLLUSION, FINANCIAL INTEREST PROHIBITED

(1) Non-collusion. Engineer warrants that he/she/it has not employed or retained any company or persons, other than a bona fide employee working solely for Engineer, to solicit or secure this Contract, and that he/she/it has not paid or agreed to pay any company or engineer any fee, commission, percentage, brokerage fee, gifts, or any other consideration, contingent upon or resulting from the award or making of this Contract. For breach or violation of this warranty, City reserves and shall have the right to annul this Contract without liability or, in its discretion and at its sole election, to deduct from the contract price or compensation, or to otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift or contingent fee.

(2) Financial Interest Prohibited. Engineer covenants and represents that Engineer, his/her/its officers, employees, agents, consultants and subcontractors will have no financial interest, direct or indirect, in the purchase or sale of any product, materials or equipment that will be recommended or required for the construction of the project.

#### ARTICLE 26 INSURANCE

(1) Insurance. Engineer, at Engineer's sole cost, shall purchase and maintain during the entire term while this Contract is in effect professional liability insurance coverage in the minimum amount of One Million Dollars per claim from a company authorized to do insurance business in Texas and otherwise acceptable to City. Engineer shall also notify City, within twenty-four (24) hours of receipt, of any notices of expiration, cancellation, non-renewal, or material change in coverage it receives from its insurer.

(2) Subconsultant Insurance. Without limiting any of the other obligations or liabilities of Engineer, Engineer shall require each subconsultant performing work under this Contract to maintain during the term of this Contract, at the subconsultant's own expense, the same stipulated minimum insurance required in Article 26, Section (1) above, including the required provisions and additional policy conditions as shown below in Article 26, Section (3).

Engineer shall obtain and monitor the certificates of insurance from each subconsultant in order to assure compliance with the insurance requirements. Engineer must retain the certificates of insurance for the duration of this Contract, and shall have the responsibility of enforcing these insurance requirements among its subconsultants. City shall be entitled, upon request and without expense, to receive copies of these certificates of insurance.

(3) Insurance Policy Endorsements. Each insurance policy shall include the following conditions by endorsement to the policy:

(a) Engineer shall notify City thirty (30) days prior to the expiration, cancellation, non-renewal in coverage, and such notice thereof shall be given to City by certified mail to:

City Manager, City of Round Rock 221 East Main Street Round Rock, Texas 78664

(b) The policy clause "Other Insurance" shall not apply to any insurance coverage currently held by City, to any such future coverage, or to City's Self-Insured Retentions of whatever nature.

(4) Cost of Insurance. The cost of all insurance required herein to be secured and maintained by Engineer shall be borne solely by Engineer, with certificates of insurance evidencing such minimum coverage in force to be filed with City. Such Certificates of Insurance are evidenced as Exhibit E herein entitled "Certificates of Insurance."

# ARTICLE 27 COPYRIGHTS

City shall have the royalty-free, nonexclusive and irrevocable right to reproduce, publish or otherwise use, and to authorize others to use, any reports developed by Engineer for governmental purposes.

# ARTICLE 28 SUCCESSORS AND ASSIGNS

This Contract shall be binding upon and inure to the benefit of the parties hereto, their successors, lawful assigns, and legal representatives. Engineer may not assign, sublet or transfer any interest in this Contract, in whole or in part, by operation of law or otherwise, without obtaining the prior written consent of City.

#### ARTICLE 29 SEVERABILITY

In the event any one or more of the provisions contained in this Contract shall for any reason be held to be invalid, illegal or unenforceable in any respect, then such invalidity, illegality or unenforceability shall not affect any other provision thereof and this Contract shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.

# ARTICLE 30 PRIOR AGREEMENTS SUPERSEDED

This Contract constitutes the sole agreement of the parties hereto, and supersedes any prior understandings or written or oral contracts between the parties respecting the subject matter defined herein. This Contract may only be amended or supplemented by mutual agreement of the parties hereto in writing.

#### ARTICLE 31 ENGINEER'S ACCOUNTING RECORDS

Records pertaining to the project, and records of accounts between City and Engineer, shall be kept on a generally recognized accounting basis and shall be available to City or its authorized representatives at mutually convenient times. The City reserves the right to review all records it deems relevant which are related to this Contract.

# ARTICLE 32 NOTICES

All notices to either party by the other required under this Contract shall be personally delivered or mailed to such party at the following respective addresses:

#### City:

City of Round Rock Attention: City Manager 221 East Main Street Round Rock, TX 78664

and to:

Stephan L. Sheets City Attorney 309 East Main Street Round Rock, TX 78664

#### **Engineer:**

Ricardo Zamarripa, PE Vice President 3711 South MoPac Expressway, Building I, Suite 350 Austin, TX 78746

#### ARTICLE 33 GENERAL PROVISIONS

(1) Time is of the Essence. The Services shall be performed expeditiously as is prudent considering the ordinary professional skill and care of a competent engineer. Engineer understands and agrees that time is of the essence and that any failure of Engineer to complete the Engineering Services for each phase of this Contract within the agreed Work Schedule may constitute a material breach of this Contract. Engineer shall be fully responsible for his/her/its delays or for failures to use his/her/its reasonable efforts in accordance with the terms of this Contract and the Engineer's standard of performance as defined herein. Where damage is caused to City due to Engineer's negligent failure to perform City may accordingly withhold, to the extent of such damage, Engineer's payments hereunder without waiver of any of City's additional legal rights or remedies. Any determination to withhold or set off shall be made in good faith and with written notice to Engineer provided, however, Engineer shall have fourteen (14) calendar days from receipt of the notice to submit a plan for cure reasonably acceptable to City.

(2) Force Majeure. Neither City nor Engineer shall be deemed in violation of this Contract if prevented from performing any of their obligations hereunder by reasons for which they are not responsible or circumstances beyond their control. However, notice of such impediment or delay in performance must be timely given, and all reasonable efforts undertaken to mitigate its effects.

(3) Enforcement and Venue. This Contract shall be enforceable in Round Rock, Williamson County, Texas, and if legal action is necessary by either party with respect to the enforcement of any or all of the terms or conditions herein, exclusive venue for same shall lie in Williamson County, Texas.

This Contract shall be governed by and construed in accordance with the laws and court decisions of the State of Texas.

(4) Standard of Performance. The standard of care for all professional engineering, consulting and related services performed or furnished by Engineer and its employees under this Contract will be the care and skill ordinarily used by members of Engineer's profession practicing under the same or similar circumstances at the same time and in the same locality. Excepting Articles 25 and 34 herein, Engineer makes no warranties, express or implied, under this Contract or otherwise, in connection with the Engineering Services.

(5) Opinion of Probable Cost. Any opinions of probable project cost or probable construction cost provided by Engineer are made on the basis of information available to Engineer and on the basis of Engineer's experience and qualifications and represents its judgment as an experienced and qualified professional engineer. However, since Engineer has no control over the cost of labor, materials, equipment or services furnished by others, or over the contractor(s') methods of determining prices, or over competitive bidding or market conditions, Engineer does not guarantee that proposals, bids or actual project or construction cost will not vary from opinions of probable cost Engineer prepares.

(6) Opinions and Determinations. Where the terms of this Contract provide for action to be based upon opinion, judgment, approval, review, or determination of either party hereto, such terms are not intended to be and shall never be construed as permitting such opinion, judgment, approval, review, or determination to be arbitrary, capricious, or unreasonable.

# ARTICLE 34 <u>SIGNATORY WARRANTY</u>

The undersigned signatory for Engineer hereby represents and warrants that the signatory is an officer of the organization for which he/she has executed this Contract and that he/she has full and complete authority to enter into this Contract on behalf of the firm. The above-stated representations and warranties are made for the purpose of inducing City to enter into this Contract.

**IN WITNESS WHEREOF**, the City of Round Rock has caused this Contract to be signed in its corporate name by its duly authorized City Manager or Mayor, as has Engineer, signing by and through its duly authorized representative(s), thereby binding the parties hereto, their successors, assigns and representatives for the faithful and full performance of the terms and provisions hereof.

[signature page follows]

# CITY OF ROUND ROCK, TEXAS

By: \_

Craig Morgan, Mayor

# APPROVED AS TO FORM:

Stephan L. Sheets, City Attorney

**ATTEST:** 

By:

Sara L. White, City Clerk

AMERICAN STRUCTUREPOINT, INC.

By: cipal RICARDO ZAMAREIPA Signature of Principa Printed Name.

# LIST OF EXHIBITS ATTACHED

(1) Exhibit A	City Services
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- (2) Exhibit B Engineering Services
- (3) Exhibit C Work Schedule
- (4) Exhibit D Fee Schedule
- (5) Exhibit E Certificates of Insurance

# EXHIBIT A

# City Services

The City will furnish to the Engineer the following information and/or perform the following tasks:

- 1. Provide any existing data the Owner has on file concerning the project, if available.
- 2. Assist with the coordination of any required public involvement, attend one-on-one meetings with officials, neighborhood groups, and local businesses and attend an open house, if necessary. For public meetings or hearings, schedule and reserve the meeting location and place the required advertisements.
- 3. Assist the Engineer, as necessary, in obtaining any required data and information from the State, County, Upper Brushy Creek Water Control & Improvement District, neighboring Cities and/or other franchise utility companies.
- 4. Give prompt written notice to Engineer whenever the Owner observes or otherwise becomes aware of any development that affects the scope or timing of Engineer's services.
- 5. Meet on an as needed basis to answer questions, provide guidance and offer comment.
- 6. Provide construction inspection and construction testing services including coordination and scope of services.
- 7. In conjunction with the Texas Department of Transportation (TxDOT), provide the following:
  - a) Federal Highway Administration (FHWA) coordination
  - b) Environmental document review
  - c) Relevant prior and/or adjacent plan sets, studies, and planning documents
  - d) Ground Penetrating Radar (GPR) testing of existing pavement
  - e) Review and approval of traffic volume projections
  - f) Equivalent Single Axle Load (ESAL) calculations
- 8. Provide existing signal timing information for intersection.

# EXHIBIT B

# **Engineering Services**

# <u>Limits</u>

Intersection improvements at Old Settlers Blvd and Chisholm Trail Rd adding right turn lanes on Chisholm Trail Rd for the northbound to eastbound and southbound to westbound movements.

(Approximately 550' north, 500' south, and 200' east and west of the intersection.)

# **Project Description**

# **Preliminary Engineering**

The work to be performed by the Engineer shall consist of providing preliminary engineering services for development of 30% PS&E plans, survey and mapping, assistance with public involvement and MAPOs, environmental clearance, preliminary drainage design, traffic control layout, estimates of probable construction costs, and cross sections for right turn lanes on Chisholm Trail Rd onto Old Settlers Blvd.

# Final PS&E

Additionally, the Engineer shall provide engineering services required for the preparation of plans, specifications and estimates (PS&E) and related documents, as requested by the City. These services may include, but are not limited to, preparing roadway design, hydrologic and hydraulic design, survey, and ROW mapping, and, if requested, provide design support as the Engineer of Record at Right-of-Way as necessary to support the design process.

The Engineer shall complete the services to be provided by the Engineer according to the milestone work schedule established in the work authorization. The Engineer shall submit a written progress report to the City monthly indicating the actual work accomplished during the month, scheduled work to be accomplished for the month, and the estimated work to be accomplished for the coming month. The Engineer is required to meet with the designated City Representative on a monthly basis for progress tracking purposes unless prior agreement is made with the City not to hold a meeting in any given month. The Engineer shall submit meeting notes, summarizing the events of the meeting within seven calendar days after each meeting.

The Engineer shall prepare a project work schedule. The work schedule must incorporate an allocation of time for stage reviews of the design schematic, survey, ROW Mapping, PS&E and the environmental documents by City personnel. The Engineer shall present the work schedule to the City for review and acceptance, and provide assistance in interpreting the proposed work schedule.

# Design Criteria

All designs shall be prepared in accordance with the latest version of: <u>City of Round Rock, Texas</u> <u>Transportation Criteria Manual and Design and Construction Standards (DACS)</u>. All construction shall be in accordance with the latest TxDOT Standard Specifications, as indicated in the plans. Round Rock specifications will only be utilized if TxDOT specifications are not suitable

# SERVICE TO BE PROVIDED BY THE ENGINEER

# TASK 1 PROJECT MANAGEMENT AND ADMINISTRATION

#### 1.1 Contract Management and Administration

The Engineer shall perform the following tasks:

- A. Submit monthly progress status reports and invoicing to the GEC. Progress reports will include: tasks completed, tasks/objectives that are planned for the upcoming periods, lists, or descriptions of items or decisions needed from the City and its representatives. Subconsultant progress will be incorporated into the monthly progress report. A copy of the monthly progress report will be uploaded to ProjectWise.
- B. Prepare, distribute, and file both written and electronic correspondence. Prepare and distribute meeting notes.
- C. Document phone calls and conference calls as required during the project to coordinate the work for various team members.
- D. Manage and coordinate with subconsultants.

# **1.2 Project Coordination Meetings**

The Engineer shall attend the following meetings:

- A. Attend a kickoff meeting and coordination/progress meeting with the City and its representatives and stakeholders, as necessary to communicate development of the project and design issues.
- B. Prepare agenda and sign-in sheets for external coordination/progress meetings.
- C. Prepare meeting minutes for review via email within three (3) business days of the external coordination/progress meeting.
- D. Conduct internal coordination meetings as required to advance the development of the project.

# 1.3 Schedule

A. The Engineer shall develop and maintain a project schedule indicating tasks, subtasks, critical dates, milestones, and deliverables and track project conformance to Exhibit C, Work Schedule.

# 1.4 QA/QC

- A. For each deliverable, provide QA/QC and submit evidence of internal review and mark- up of deliverables as preparation for submittal and in accordance with submitted project specific QA/QC plan.
- B. Provide QA/QC throughout the duration of the scheduled services included herein to appraise technical performance and provide direction for project activities.

# **1.5 DELIVERABLES**

- A. Monthly Invoices and Progress Reports
- B. Meeting Minutes, Sign-In Sheets, and Agendas
- C. Project Schedule

# **TASK 2 PRELIMINARY ENGINEERING**

The Engineer shall prepare preliminary drawings to identify any potential adverse impacts within the project corridor. Identification of all existing structures, burial grounds, neighborhood communities, historical landmarks, and undeveloped areas is required. Any potential conflicts and structural impediments must be identified as such. The Engineer shall render assistance to the City for agency meetings as necessary during the development of the preliminary design as requested by the City. The Engineer shall also render assistance to the City for meetings with affected property owners (MAPOs), public meetings, and a public hearing if requested.

The Engineer shall obtain, review, and evaluate existing and twenty-year projected traffic data for use in the preparation of the 30% PS&E design layout for the turn lanes on Chisholm Trail Rd.

# 2.1 Data Collection and Field Reconnaissance

The Engineer shall collect, review and evaluate data described below. The Engineer shall notify the City in writing whenever the Engineer finds disagreement with the information or documents:

- A. Data, if available, including "as-built plans", existing schematics, right- of-way maps, existing cross sections, existing planimetric mapping, environmental documents, existing channel and drainage easement data, existing traffic counts, accident data, identified endangered species, identified hazardous material sites, current unit bid price information, current special provisions, special specifications, and standard drawings.
- B. Conduct field reconnaissance and collect data including a photographic record of notable existing features.
- C. Conduct a field investigation of the existing intersection and the surrounding area to determine field conditions including photographic record of notable existing features.
- D. Develop and maintain adjacent property ownership information (including owner's name, mailing address, property address, property identification number) spreadsheet to be used for disseminating project information.
- E. Review the data collected and organize the information.

# Deliverables

- Meeting Minutes, Sign-In Sheets, Agendas, Presentations, Maps, and Exhibits for all MAPO Coordination Meetings.
- Design Summary Form (electronic pdf and electronic copies)
- Intersection Turn Lane Geometrics shown in Exhibit

# **Task 3 Utilities**

The Engineer shall collect, review and evaluate data described below. The Engineer shall notify the City in writing whenever the Engineer finds disagreement with the information or documents:

A. The scope of this proposal includes QL"B" SUE services at the intersection of Old Settlers Boulevard and Chisholm Trail Road in Round Rock, Texas. The limits of the investigation are outlined in white on Exhibit B. The Engineer will attempt to designate the following utilities within these limits: potable water, reclaimed water, chilled water, natural gas/crude oil/refined product pipelines, communication duct banks, fiber optic, cable television, telephone, and electric. Wastewater and storm drain facilities will be inverted at manholes, and will be depicted as QL"C" information. Irrigation lines and utility services lines are excluded from this scope of work. An inventory of overhead utilities is also excluded from this scope of work. This proposal also includes four (4) QL"A" SUE test holes at locations that will be provided by the Client following a review of the QL"B" data. Any necessary Right-Of-Entry (ROE) permits, including railroad ROE, will be provided by the Client prior to the start of field work.

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

- All test holes will be accessible to truck-mounted vacuum excavation equipment.
- Right-Of-Way (ROW) permits from the City of Round Rock may be required. If so, The Engineer will obtain all required City permits and ensure that coordination and compliance with the City is provided.
- Designed traffic control plans will not be required.
- Non-routine traffic control measures will not be required.
- The coring of pavement will not be required.

# Deliverables

The Engineer will provide the following as a final deliverable to the Client:

- A utility file in CAD format depicting all designated and located utilities.
- A summary sheet of all test hole coordinate data and depth information.
- 8.5" x 11" Test Hole Data Forms for all test hole locations completed. These plans will be signed and sealed by a Professional Engineer and delivered to the Client in electronic PDF form.
- 11" x 17" SUE Plan Sheets depicting all designated and located utilities. These plans will be signed and sealed by a Professional Engineer and delivered to the Client in electronic PDF form.

# Task 4 PUBLIC INVOLVEMENT

# 4.1 MAPO Coordination

- A. Prepare agendas, sign in sheets, meeting minutes, discussion topics, presentations, overall exhibits, and maps of the project limits for MAPOs.
- B. Attend meetings with affected property owners. (2 MAPO meetings)

# TASK 5 – RIGHT-OF-WAY (ROW) DATA

ROW Mapping includes the performance of on the ground surveys and preparation of parcel maps, legal descriptions (metes and bounds descriptions), and right-of-waymaps.

# 5.1 Right-of-Way Mapping

# Right of Entry

The Engineer shall obtain right-of-entry (ROE) for approximately two private properties for the purpose of collecting ROW survey data. The Engineer anticipates that the City will handle problems regarding any and all refusal to grant ROE or communication with private property owners who are hostile with respect to the completion of this scope of services. The Engineer shall document any interactions with property owners while performing the work.

# **Records Research and Deed Study**

The Engineer will perform a ROW survey along Old Settlers Blvd and Chisholm Trail Rd within the project limits. Upon notice to proceed, the Engineer will conduct research in the Williamson County Appraisal District offices to confirm property ownership for the two affected properties (subject properties). Concurrently, copies of the current deeds and any plats for all subject properties will be obtained from the County Clerks' records. Engineer anticipates that Title Commitments, Title Reports, and any other form of records research beyond obtaining current deeds and plats will be provided by others. Obtaining any additional records (including easements, chain of title, or any encumbrances) is outside of this scope of services.

# Field Surveys

The Engineer will recover monuments marking the existing ROW lines (if any) and the front and rear corners of the properties from which ROW is to be obtained and will tie to the project control.

The Engineer will recover the corner or angle point monuments nearest to the proposed ROW on the side line of each of the subject properties and these corners will be tied to the project control.

ROW limits on as-built plans or existing ROW maps provided by the City, County, or State will be used to retrace the existing ROW. The information will be plotted to create a base file for design purposes. Parcel plats will be created separately for ROW acquisition purposes.

The Engineer will utilize the above described design survey planimetric feature locations to show any visible improvements within the proposed ROW acquisition parcels. Building corners and visible improvements within 25 feet of the proposed ROW will be located in the field and dimensioned on parcel plats.

# **Boundary Analysis**

Utilizing the deed study and the data from the field survey, The Engineer will analyze the results of the survey and perform computations related to the analysis. Location of the existing ROW lines and the side property lines of each of the subject properties will be determined by the Engineer.

# **Preparation of Documents**

1) The Engineer will develop a base file showing ownership of the subject properties. Properties adjacent to the existing/proposed right of way within the project limits will be labeled with the owner's name and deed recordation information.

2) Utilizing the boundary surveys performed by The Engineer, The Engineer will compute the boundaries of the ROW parcels for each of the subject properties.

3) The Engineer will draft plats for the two parcels for ROW acquisition. The plats will be prepared on 8 1/2" x 11" pages at a scale dependent upon parcel size. A closure computation will be prepared for each of the plats.

4) The Engineer will prepare a field note (metes and bounds) description for each of the two parcels. A closure computation will be prepared for each of the descriptions.

5) To assure the accuracy of the documents, The Engineer will read the descriptions while all details are compared to parcel plats (bearings, distances, stations and offsets, deed references, etc.). Final mark-ups will be made and corrections completed.

6) The Engineer will prepare up to two (2) easement documents should they be required.

7) All of the above described survey documents (plans, property descriptions parcel plats and closure computations) will be submitted for a one time review. Upon the completion of review of all survey documents, The Engineer will make necessary corrections. The final documents will then be delivered to the CITY.

# Deliverables

- A legal descriptions for each parcel (signed and sealed).
- Two individual survey plats on 8 1/2"x11" for each parcel (signed and sealed).
- Control index and detail plans on 11"x17" paper.
- One set of area computation sheets for legal descriptions and plats for all parcels.
- Two easement documents if required

# TASK 6 DESIGN SURVEYING

# 6.1 Design Surveys

# Project Control

The Engineer will establish up to three (3) local control points within the project limits. The project control will be placed on horizontal and vertical datums [NAD83 (2011)/NAVD88 values (Texas Coordinate System, South Central Zone)].

# Ground Survey

The Engineer shall collect conventional on-the-ground surveying within the project limits. In such areas, cross-sections and break lines will be obtained at approximately 50-foot intervals. Major grade-break lines necessary to produce a 1' interval contour DTM will be collected, as well as visible improvements including driveways (with type noted), driveway pipes, drainage structures (noting size, material and flowline elevation), edge of pavement, retaining walls, guardrail, fences, signs (with text) and mailboxes, visible utilities and visible evidence of underground utilities only.

The Engineer shall contact Texas 811 (DIGTESS) to facilitate the markings of underground utilities within the project limits. The Engineer shall locate only the paint marks and/or pin flags as established by One-Call. And by the SUE Provider. The Engineer will also pick up utilities identified/marked by the CITY or State.

Surveyor will open manhole covers and inlet lids to gather elevations/flowlines of existing pipes and will shoot elevations of top of stem of water valves for use in estimating water line depths.

# Deliverables

- Control Survey data and reports.
- 1-Foot Contour Map in Microstation V8i DGN format.
- 2D Planimetric Mapping in Microstation V8i DGN Format
- Digital Terrain Model.

- Geopak TIN files.
- PDF file of scanned field book copies.
- Control index and detail plans on 11"x17" paper.

# TASK 7 PSE PLAN DEVELOPMENT

The Engineer shall inform the City of changes made from previous initial meetings regarding each exception, waiver, and variance that may affect the design. The Engineer shall cease all work under this task until the exceptions, waivers, and variances have been resolved between the Engineer and the CITY unless otherwise directed by the CITY to proceed. These exceptions shall be provided to the CITY for coordination and processing of approvals. PS&E plan set shall be in accordance with the draft *City of Round Rock Design and Construction Standards (DACS)*.

# 7.1 Typical Sections

The Engineer shall prepare typical sections for all proposed and existing roadways and cross streets. Typical sections must include width of travel lanes, shoulders, outer separations, border widths, curb offsets, and ROW. The typical section must also include Proposed Profile Gradeline (PGL), centerline, pavement design, longitudinal joints, side slopes, sodding or seeding limits, concrete traffic barriers and sidewalks, if required, station limits, common proposed and existing structures including retaining walls, existing pavement removal, riprap, limits of embankment and excavation, etc.

# 7.2 Removal Plans

The Engineer shall analyze all items to be removed from the ROW. Prepare removal plan sheets and call-out all items to be removed. Calculate and summarize removal quantities.

# 7.3 Horizontal Alignment Data

The Engineer shall develop Horizontal Alignment Data sheets.

# 7.4 Plan & Profile

The Engineer shall provide roadway plan and profile drawings using CADD standards as required by the City. The drawings must consist of a planimetric file of existing features and files of the proposed improvements. The roadway base map must contain line work that depicts existing surface features obtained from the schematic drawing. Existing major subsurface and surface utilities must be shown if requested by the City. Existing and proposed right-of-way lines must be shown.

The plan view must contain the following design elements:

- Pavement edges for all improvements (mainlanes, cross streets, and driveways applicable).
- Calculated roadway centerlines for mainlanes and cross streets, as applicable. Horizontal control points must be shown. The alignments must be calculated using GEOPAK.
- Lane and pavement width dimensions.
- Proposed structure locations, lengths, and widths.
- Direction of traffic flow on all roadways. Lane lines and arrows indicating the number of lanes must also be shown.
- Drawing scale shall be 1"=100'
- ROW lines and easements.

- Begin and end superelevation transitions and cross slope changes.
- Limits of rip-rap, block sod, and seeding.
- Existing utilities and structures.
- Benchmark information.
- Radii call outs, curb location, Concrete Traffic Barrier (CTB), guard fence, and crash safety items.

The profile view must contain the following design elements:

- Existing profiles along the proposed centerline.
- Known vertical utility locations
- Drawing vertical scale to be 1"=10'.

# 7.5 Intersection Layout

The Engineer shall provide an intersection layout (1"=20') detailing the pavement design and drainage design at the intersection. The layout must include the horizontal and vertical alignments, curb returns, geometrics, transition length, stationing, pavement, and drainage details. The Engineer shall design for full pavement width to the ROW and provide a transition to the existing roadway.

# 7.6 Site Layout

The Engineer shall provide a site layout for the restoration of the parking lot area for the existing Bank Property.

- A. Parking Lot area layout.
- B. Retaining Wall layout and details at the bank and at the CVS property.

# 7.7 Driveway Details

The Engineer shall develop miscellaneous driveway details with plan view, elevation view, and typical driveway section.

# 7.8 Roadway Quantity Sheet

The Engineer shall compute and tabulate roadway quantities.

# 7.9 Roadway Standards

The Engineer shall select appropriate roadway standard sheets, prepare special specifications for non-standard items, and special provisions to be used.

# 7.10 Cross-Sections

The Engineer shall use Geopak or OpenRoads to generate cross-sections every 50'. The Engineer shall determine earthwork volumes for use in the cost estimate, and shall prepare 11"x17" sheets of the cross-sections. The Engineer shall provide all criteria and input files or corridor models used to generate the design cross sections. Cross sections and quantities must include existing pavement removals. Annotation shall include at a minimum existing and proposed ROW, side slopes (front & back), profiles, etc.

# 7.11 Earthwork

The Engineer shall develop an earthwork analysis to determine cut and fill quantities.

# 7.12 Drainage Design

The Engineer shall provide the following data collection services:

- Conduct field inspections to observe current conditions outfall channels, inlets, manholes, cross drainage structures, drainage easements, and land development projects that contribute flow to the project. Document field inspections with digital photos.
- Collect available applicable data including GIS data and maps, site survey data, construction plans, previous reports and studies, and readily available rainfall history for the area. Particular sources of data collected must include, but are not limited to, the CITY.
- Review survey data and coordinate any additional surveying needs with CITY.

# A. Hydrologic Analysis and Design

#### B. Drainage Area Map

The Engineer shall update the drainage area map sheet for up to seven (7) inlets located within the project limits.

#### C. Storm Sewer Plan Layouts and Profiles

The Engineer shall analyze existing storm drainage system and verify system has capacity for improvements.

#### **D. Hydraulic Calculation Sheets**

The Engineer shall develop Hydraulic Data Sheets.

#### E. Drainage Quantity Sheet

The Engineer shall compute and tabulate drainage quantities.

# F. Drainage Standards

The Engineer shall select appropriate drainage standard sheets.

# 7.14 Stormwater Prevention Plan (SW3P)

#### A. SW3P Narrative

The Engineer shall develop SW3P, on separate sheets from (but in conformance with) the TCP, to minimize potential impact to receiving waterways. The SW3P must include text describing the plan, quantities, type, phase and locations of erosion control devices and any required permanent erosion control.

# **B. Temporary Erosion Control Layouts**

The Engineer shall prepare Temporary Erosion Control Layouts (1"=100').

# C. Permanent Erosion Control Layouts

The Engineer shall prepare Permanent Erosion Control Layouts (1"=100').

#### D. SW3P Quantity Sheet

The Engineer shall compute and tabulate SW3P quantities.

#### E. SW3P Standards

The Engineer shall select appropriate SW3P standard sheets.

# 7.15 Water Pollution Abatement Plan (WPAP)

The Engineer shall perform the following tasks:

- Obtain and review copies of the USGS maps showing the location of the Edward's Aquifer Recharge Zone (EARZ).
- Obtain any necessary approvals from the Williamson County Conservation Foundation (WCCF). Coordinate with Gary Boyd and determine if City will pay into RHCP for this project.
- Determine the limits of the project within the EARZ and within the contributing zone of the Edward's Aquifer.
- Obtain a copy of the current WPAP from the City.
- Prepare the WPAP exception application per the TCEQ's requirements.
- Submit to TCEQ for coordination and permit approval.
- Incorporate TCEQ comments into PS&E

# 7.16 Signing and Pavement Markings Layouts

The Engineer will perform the following tasks:

- Design to establish required pavement markings, markers, and signing;
- Develop the various plans and details required for plan sheets (estimated 3 plan sheets), including details/labels indicating status/disposition of existing small signs;
- Complete Summary of Small Signs (SOSS) sheet.

# 7.17 Small Sign Detail Sheets

The Engineer shall develop small sign detail sheets for any non-standard signs. Provide sufficient details for sign development.

# 7.18 Summary of Quantities

The Engineer shall compute and tabulate signing and pavement markings quantities.

# 7.19 Signing & Pavement Markings Standards

The Engineer shall select appropriate signing and pavement markings standard sheets.

# 7.20 General Sheets

The Engineer shall prepare:

- A. Title Sheet
- B. Index Sheet
- C. Project Layout (1"=100')
- D. Estimate and Quantity Sheets per the City's requirements.
- E. The Engineer shall identify necessary standard specifications, special specifications, special provisions, and the appropriate reference items. The Engineer shall prepare General Notes using the most current version of the City's *Master List of General Notes*, Special Specifications, and Special Provisions for inclusion in the plans and bidding documents. The Engineer shall provide General Notes, Special Specifications, and Special Provisions in the required format.

# 7.21 Traffic Control Plan, Detours, and Sequence of Construction

The Engineer shall prepare Traffic Control Plans (TCP) for the project. A detailed TCP must be developed in accordance with the latest edition of the TMUTCD. The Engineer shall implement the current Barricade and Construction (BC) standards and TCP standards as applicable. The Engineer shall:

- A. Written narrative of the construction sequencing and work activities. Describe the type of work to be performed for each phase of sequence of construction and any special instructions (e.g. storm drain, culverts, bridges, railing, illumination, signals, retaining walls, signing, paving surface sequencing or concrete placement, ROW restrictions, utilities, etc.)
- B. Develop each TCP to provide continuous, safe access to each adjacent property during all phases of construction. The Engineer shall notify the City in the event existing access must be eliminated, and must receive approval from the City prior to any elimination of existing access.
- C. Make every effort to prevent utility relocations from extending beyond the proposed Right-of-Way lines. If it is necessary to obtain additional permanent or temporary easements and Right-of-Entry, the Engineer shall notify the City in writing of the need and justification for such action.
- D. Provide TCP Quantity sheet
- E. Select any necessary standard details from City's or District's list of standards for traffic control items.

# 7.22 Constructability Review

The Engineer shall provide Independent Quality Review of the constructability PS&E sets.

The Engineer shall perform constructability reviews at major project design milestones (e.g. 60%, 90%, and final plan) to identify potential constructability issues and options that would provide substantial time savings during construction. The constructability review must be performed for all roadway and structural elements such as Sequence of Work/Traffic Control, Drainage (Temporary and Permanent), Storm Water Pollution Prevention Plan (SW3P), Environmental Permits, Issues and Commitments (EPIC) addressed, identify Utility conflicts; ensuring accuracy and appropriate use of Items, Quantities, General Notes, Standard and Special Specifications, Special Provisions, Contract Time/Schedule, Standards; and providing detailed comments in an approved format. Reviews must be captured in a Constructability Log identifying areas of concern and potential conflict. The Engineer shall provide the results of all Constructability reviews and recommendations to the City at major project design milestone submittals.

# **PS&E DELIVERABLES**

In conjunction with the performance of the foregoing services, the Engineer shall provide the following draft and final documents and associated electronic files:

- 1. One (1) hardcopy of the DSR
- 2. One (1) hardcopy of Probable Opinion of Cost at the 30%, 60%, 90%, and 100% stages
- 3. One (1) hard copy of 11"x17" plans for City review at the 30%, 60%, 90%, and 100% stages

# Task 8 ENVIRONMENTAL SERVICES

#### 8.1 Gather Information

Gather data for the existing and proposed roadway location. Data will include USGS maps, aerial photography, National Wetland Inventory (NWI) maps, floodplain maps, threatened and endangered species lists for Williamson County, and a review of the National Register of Historic Places website.

#### 8.2 Field Reconnaissance

Perform a field reconnaissance to characterize the vegetation and habitat and ground-truth data gathered in the previous task. A wetland reconnaissance would be performed to identify any potential waters of the U.S., including wetlands. No wetland determinations, delineations or data forms would be completed and no permitting or coordination with the U.S. Army Corps of Engineer's is included. This task does not include any presence/absence surveys for threatened or endangered species or detailed assessment of any karst features identified. Historians and archeologists will not perform any on-site surveys or inspections.

#### 8.3 Summarize Findings

A report summarizing findings of the field reconnaissance and data review will be prepared and submitted to the CITY for their review and comment. No coordination with the U.S. Fish and Wildlife Service, the Texas Parks and Wildlife Department or the Texas Historical Commission is included.

# Task 9 BID PHASE SERVICES

#### **TASK 9.1 – BID PHASE SERVICES**

- A. The Engineer will attend the pre-bid meeting and assist in responding to bidders questions.
- B. The Engineer will assist in responding to bidder questions during the bidding phase and will prepare up to three (3) addenda.
- C. The Engineer will tabulate and evaluate the various bids and will recommend an apparent low bidder for award of contract via a letter.

# ASSUMPTIONS and EXCLUSIONS

The proposed scope of services is based on the following assumptions:

- 1. Right-of-way will be acquired for the Project.
- 2. Right-of-entry from property adjacent to the project will be secured by Engineer with assistance from CITY as necessary.
- 3. Need for utility relocation design to be determined in the preliminary design phase and will be designed by others under contract with CITY.
- 4. TCP Layout sheets will not be included, it is anticipated that TCP standards details will be used to show the TCP procedures. The sequencing of work will be included in the narrative.
- 5. Landscaping is excluded from the scope. However, the general notes will specify the contractor will be expected to replace any landscaping that is damaged during construction.
- 6. No illumination analysis will be performed. An existing Illumination pole on Chisholm south of Old Settlers will be removed and replaced.
- 7. Scope does not include testifying at ROW condemnation hearings.
- 8. Pavement Design is not included and is assumed that it will be provided by the CITY and match existing pavement.
- 9. Water Quality BMP Pond design (if needed) is not included.

# EXHIBIT C

# Work Schedule

Attached Behind This Page

# ATTACHMENT C: WORK SCHEDULE CITY OF ROUND ROCK OLD SETTLERS BLVD AND CHISHOLM TRAIL RD

	3rd Q	3rd Qtr, 20		Qtr 4, 20			Qtr 1, 21			Qtr 2, 21		
Scope Item	August	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June	
TASK 1 PROJECT MANAGEMENT/ADMINISTRATION												
TASK 2 PRELIMINARY ENGINEERING												
TASK 3 UTILITIES												
TASK 4 PUBLIC INVOLVEMENT (MAPO)												
TASK 5 RIGHT OF WAY (ROW) DATA												
TASK 6 DESIGN SURVEYING												
TASK 7 PSE PLAN DEVELOPMENT												
TASK 8 ENVIRONMENTAL SERVICES												
TASK 9 BID PHASE SERVICES												

# EXHIBIT D

Fee Schedule

Attached Behind This Page

# ATTACHMENT D: ESTIMATED FEE SUMMARY CITY OF ROUND ROCK OLD SETTLERS BLVD AND CHISHOLM TRAIL RD

Task	Sheets	Principal \$260.00	QA/QC \$150.00	PM \$150.00	Sr Proj Eng \$180.00	Proj Eng \$140.00	Sr Tech \$120.00	EIT \$110.00	Total Hours	Total Labor
TASK 1 PROJECT MANAGEMENT/ADMINISTRATION		0	6	31	0	8	0	2	47	\$ 6,890.00
1.1 Contract Management and Administration										
A. Prepare monthly progress reports and invoices (Assumes 9 mo Project Duration)				4					4	\$ 600.00
B. Prepare and distribute meeting notes				3					3	\$ 450.00
C. Document phone and conference calls				2					2	\$ 300.00
D. Manage and coordinate with subconsultants				6					6	\$ 900.00
1.2 Project Coordination Meetings										
A. Kickoff and Coordination Meetings				4		4			8	\$ 1,160.00
B. Prepare Agenda and Sign in sheet				3					3	\$ 450.00
C. Prepare meeting minutes				2				1	3	\$ 410.00
D. Conduct Internal Coordination Meetings				3		4			7	\$ 1,010.00
1.3 Schedule										
A. Develop and Maintain Schedule				2				1	3	\$ 410.00
1.4 QA/QC (30/60/90/100)										
A. Provide QA/QC and submit evidence at each Milestone (30,60,90,100)			6	2					8	\$ 1,200.00
TASK 2 PRELIMINARY ENGINEERING		0	0	3	11	0	0	43	57	\$ 7,160.00
2.1 Data Collection and Field Reconnaissance										
A. Gather Data					1			4	5	\$ 620.00
B. Field Reconnaissance				1	2			2	5	\$ 730.00
C. Field Condition and Photo Record					1			1	2	\$ 290.00
D. Ownership Information								2	2	\$ 220.00
E. Organize Information					1			2	3	\$ 400.00
2.2 Preliminary Layout Exhibit										
A. Develop preliminary layout exhibit (IncludingBank Parking, Ret. Wall)				1	4			16	21	\$ 2,630.00
B. Preliminary cross sections				1	2			16	19	\$ 2,270.00
TASK 3 UTILITIES		0	0	1	20	2	0	4	27	\$ 4,470.00
A. Utility Coordination for Private Utilities		0	0		20	2	0	4	27	\$ 4,470.00
TASK 4 PUBLIC INVOLVEMENT		0	0	4	6	0	0	2	12	\$ 1,900.00
4.1 MAPO Coordination (2 meetings)									4	¢ 500.00
A. Prepare agenda, sign-in, minutes, etc. B. Attend 2 meetings	_			A	2			2	4 8	\$ 580.00 \$ 1,320.00

# ATTACHMENT D: ESTIMATED FEE SUMMARY CITY OF ROUND ROCK OLD SETTLERS BLVD AND CHISHOLM TRAIL RD

Task	Sheets	Principal	QA/QC	PM	Sr Proj Eng		Sr Tech	EIT	Total Hours	Total Labor
		\$260.00	\$150.00	\$150.00	\$180.00	\$140.00	\$120.00	\$110.00		
TASK 5 RIGHT OF WAY (ROW) DATA		0	0	1	0	2	0	1	4	\$ 540.00
5.1 Right of Way Mapping			2	1		2	-	1	4	\$ 540.00
TASK 6 – DESIGN SURVEYING		0	0	1	0	2	0	2	5	\$ 650.00
6.1 Design Surveys		0	2	1	20	2		2	5	\$ 650.00
TASK 7 PSE PLAN DEVELOPMENT		0	8	25	39	69	24	216	381	\$ 48,270.00
7.1 Typical Sections (1 sheets)	1					2		4	6	\$ 720.00
7.2 Removal Plan (1"=100')	1					2		4	6	\$ 720.00
7.3 Horizontal Alignment Data	1					1		4	5	\$ 580.00
7.4 Plan & Profile (1"=100')	1		1	2		4		8	15	\$ 1,890.00
7.5 Intersection Layout (1"=20')	3		1	3		4		12	20	\$ 2,480.00
7.6 Site Layout										
A. Bank parking lot layout	1			2		2	4	8	16	\$ 1,940.00
B. Retaining walls along CVS property and Bank Property	1			2		2	4	8	16	\$ 1,940.00
7.7 Driveway Details (2 driveways)	1					2		6	8	\$ 940.00
7.8 Roadway Quantity Sheet	1			2		2		8	12	\$ 1,460.00
7.9 Roadway Standards	6			1		1		2	4	\$ 510.00
7.10 Cross-Sections (50' intervals)	10			1	1		16	10	28	\$ 3,350.00
7.11 Earthwork				1		4		6	11	\$ 1,370.00
7.12 Drainage Design										
A. Hydrologic Analysis & Hydraulic Design	2		1	2	4	6		8	21	\$ 2,890.00
B. Drainage Area Maps	1		1	1	4			8	14	\$ 1,900.00
C. Storm Sewer Plan Layouts & Profiles	1				2	4		8	14	\$ 1,800.00
D. Prepare Hydraulic Calculation Sheets	1				4			8	12	\$ 1,600.00
E. Prepare Drainage Summary of Quantity Sheets	1			1	4			8	13	\$ 1,750.00
F. Drainage Standards					1			4	5	\$ 620.00
7.14 Stormwater Prevention Plan (SW3P)										
A. SW3P Narrative	1			1		4		4	9	\$ 1,150.00
B. Temporary Erosion Control Layouts (1"=100'; double bank)	1			1		2		8	11	\$ 1,310.00
C. Permanent Erosion Control Layouts (1"=100'; double bank)	1			1		2		8	11	\$ 1,310.00
D. SW3P Quantity Sheet	1			1	4			4	9	\$ 1,310.00
E. SW3P Standards	4			1	1			2	4	\$ 550.00
7.15 Water Pollution Abatement Plans (WPAP)	0		1	2	10	2		10	25	\$ 3,630.00
7.16 Signing and Pavement Marking Layouts (1"=100'; double bank)	1					2		8	10	\$ 1,160.00
7.17 Small Sign Details	1					2		8	10	\$ 1,160.00
7.18 Signing & Pavement Marking Quantity Sheet	1		1			2		10	13	\$ 1,530.00
7.19 Signing & Pavement Marking Standards	3		1			1		2	4	\$ 510.00

# ATTACHMENT D: ESTIMATED FEE SUMMARY CITY OF ROUND ROCK OLD SETTLERS BLVD AND CHISHOLM TRAIL RD

Task	Sheets	Principal	QA/QC \$150.00	PM \$150.00	Sr Proj Eng \$180.00	Proj Eng \$140.00	Sr Tech \$120.00	EIT \$110.00	Total Hours	Total Labor
7.20 General Sheets										
A. Title Sheet	1				1			4	5	\$ 620.00
B. Index Sheets	1				1			4	5	\$ 620.00
C. Project Layout (1"=100'; double bank)	1					2		8	10	\$ 1,160.00
D. Estimate & Quantity Sheets	3					2		8	10	\$ 1,160.00
E. Specifications and General Notes	8					8			8	\$ 1,120.00
7.21 Traffic Control Plan, Detours, and Sequence of Construction										
A. TCP Narrative and Typical Section									0	\$ -
B. TCP Layouts (One Phase anticipated)									0	\$ -
C. TCP Quantity Sheet									0	\$ -
D. TCP Standards	10				2			4	6	\$ 800.00
7.22 Constructability Review (60%, 90%, and 100%)			1			4			5	\$ 710.00
TASK 8 ENVIRONMENTAL SERVICES		0	2	0	0	11	0	44	57	\$ 6,680.00
8.1 Gather information			1			3		14	18	\$ 2,110.00
8.2 Field Reconnaissance						4		14	18	\$ 2,100.00
8.3 Summary Report			1			4		16	21	\$ 2,470.00
TASK 9 BID PHASE SERVICES		0	2	5	0	2	0	12	21	\$ 2,650.00
9.1 Bid Phase services										
A. Attend Pre-Bid Meeting				2					2	\$ 300.00
B. Respond to Bidders Questions and Prepare Addenda (3 max)				1		2		8	11	\$ 1,310.00
C. Tabulate bids and recommend award			2	2				4	8	\$ 1,040.00
TASK 10 CONSTRUTION PHASE SERVICES		0	2	4	4	16	0	24	50	\$ 6,500.00
A. Respond to RFIs			1	2	2	8		12	25	\$ 3,250.00
B. Other items to be assigned by City			1	2	2	8		12	25	\$ 3,250.00
SUBCONSULTANTS										
Inland Geodetics LLC (Surveys)										\$ 33,978.00
The Rios Group., Inc. (SUE)										\$ 18,743.66
Total ASI Direct Labor Hours		0	18	71	76	96	24	326	611	
Percent of Total Hours		0.0%	2.9%	11.6%	12.4%	15.7%	3.9%	53.4%		
Total ASI Direct Labor (PS&E) Cost										\$ 85,710.00
Total ASI Other Direct Expenses Cost										\$ 952.95
Total Subconsultants Cost										\$ 52,721.66
TOTAL PROJECT COST										\$ 139,384.61

# ATTACHMENT D: ESTIMATED FEE SUMMARY CITY OF ROUND ROCK OLD SETTLERS BLVD AND CHISHOLM TRAIL RD Other Direct Expenses (American Structurepoint, Inc.)

Direct Expenses	Rate	Unit	Quantity	Cost
Meals (Overnight stay required)	\$ 25.00	Each	0	\$ -
TCEQ WPAP Exception Fee	\$ 500.00	Each	1	\$ 500.00
Mileage	\$ 0.580	Mile	240	\$ 139.20
Courier Services (Deliveries)	\$ 25.00	Each	2	\$ 50.00
CADD Color Plotting (Per SQ FT)	\$ 1.50	Square Feet	30	\$ 45.00
Photocopies B/W (8.5x11)	\$ 0.05	Each	75	\$ 3.75
Photocopies B/W (11x17)	\$ 0.15	Each	440	\$ 66.00
Photocopies B/W (22x34)	\$ 0.60	Each	0	\$ -
Color Copies (8.5x11)	\$ 0.49	Each	100	\$ 49.00
Color Copies (11x17)	\$ 1.00	Each	100	\$ 100.00
			TOTAL	\$ 952.95

# EXHIBIT E

Certificates of Insurance

Attached Behind This Page

			Client	#: 34	734			AME	RSTR				
	40	<b>CORD</b> <sub>TM</sub>	CERT	IFI	CA	TE OF LIAB	LITY INS	URAN	CE		M/DD/YYYY) <b>/2020</b>		
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th	e te		ns of the policy,	certa	ain po	olicies may require an en							
-								opher Ensmi					
		sk Partners 06th St Suite 400					PHONE (A/C, No, Ext): 317-	706-9594		<sub>):</sub> 317-7	06-9794		
		apolis, IN 46240	-				ADDRESS: Christ	opher.ensmi	nger@onirisk.com				
ma	and	2poil3, itt 40240	·						FORDING COVERAGE		NAIC #		
INSU	RED						INSURER A : National INSURER B : The Cont				35289		
		American St	ructurepoint,	Inc.			INSURER C : American				20427		
			oad, Suite #2	00			INSURER D : Berkley In		-		32603		
		Indianapolis	, IN 46240				INSURER E :						
							INSURER F :						
		AGES				NUMBER:			REVISION NUMBER:				
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A	Х	COMMERCIAL GENER		INSR X	X	6050367892			EACH OCCURRENCE	-	0,000		
		CLAIMS-MADE	X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)		0,000		
									MED EXP (Any one person)	\$15,0			
									PERSONAL & ADV INJURY	\$1,00	0,000		
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Ē	A 1 1 T	OTHER: OMOBILE LIABILITY		v	v	C0E02C4E72	11/01/201	0 44/04/2020	COMBINED SINGLE LIMIT	\$	0.000		
в	X			X	X	6050364572	11/01/201	9 11/01/2020	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person)	\$1,00	0,000		
	~	ANY AUTO ALL OWNED	SCHEDULED						BODILY INJURY (Per accident				
	Х	AUTOS HIRED AUTOS X	AUTOS NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	\$			
			AUTOU							\$			
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	İf ye	ndatory in NH) s, describe under CRIPTION OF OPERATI	ONS below						E.L. DISEASE - EA EMPLOYE				
D		ofessional				AEC903689304	05/29/202	0 05/29/2021	\$5,000,000 Per Clai		0,000		
	Lia	bility							\$5,000,000 Aggreg				
An	ono/	e person or orga	anization, as r	equi	red I	) 101, Additional Remarks Schedu by written contract or a to the General Liability	agreement requ	iring insuran	nce, is				
				-		obile policies is prima							
		contract or agr											
		-		ny p	erso	on or organization, sig	ned prior to a lo	oss, as requi	red by				
(Se	e Ai	ttached Descrip	tions)										
CEF	RTIF	ICATE HOLDER					CANCELLATION						
		221 E. Main	ger, City of Ro n Street ck, TX 78664	und	Roc	k	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFO THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED ACCORDANCE WITH THE POLICY PROVISIONS.						
			,				AUTHORIZED REPRE	SENTATIVE		-			
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		•					(	1000 2014 A	CORD CORPORATION.		to reconned		

# **DESCRIPTIONS (Continued from Page 1)**

written contract or agreement requiring insurance applies with respect to the General Liability, Automobile Liability and Employers Liability policies. Umbrella is follow form.