

AGREEMENT
BETWEEN OWNER AND ENGINEER
FOR
PROFESSIONAL SERVICES

OWNER: **City of Crossville**
392 N. Main Street
Crossville, Tennessee 38555

ENGINEER: **GRESHAM, SMITH AND PARTNERS**
2095 Lakeside Centre Way, Suite 120
Knoxville, Tennessee 37922

PROJECT: 4th Street and West Avenue Intersection



**GRESHAM
SMITH AND
PARTNERS**

Design Services for the Built Environment

www.gspnet.com

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AGREEMENT BETWEEN OWNER AND ENGINEER FOR PROFESSIONAL SERVICES

THIS AGREEMENT is effective as of August 31, 2017 (Effective Date) between City of Crossville (Owner) and GRESHAM, SMITH AND PARTNERS (Engineer). Owner's Project, of which Engineer's services under this Agreement are a part, is generally identified as follows: City of Crossville modification of the intersection of 4th Street and West Avenue (Project).

Engineer's services for this Project are described as follows: Surveying, NEPA document preparation, roadway, drainage and signal design. Owner and Engineer further agree as follows:

ARTICLE 1 - SCOPE OF ENGINEER'S SERVICES. Engineer shall provide, or cause to be provided, the services set forth herein and in Exhibit A.

ARTICLE 2 - OWNER'S RESPONSIBILITIES

2.01 General

- A. Owner shall have the responsibilities set forth herein and in Exhibit B.
- B. Owner shall pay Engineer as set forth in Exhibit C.
- C. Owner shall be responsible for, and Engineer may rely upon, the accuracy and completeness of all requirements, programs, instructions, reports, data, and other information furnished by Owner to Engineer pursuant to this Agreement. Engineer may use such requirements, programs, instructions, reports, data, and information in performing or furnishing services under this Agreement.

ARTICLE 3 - SCHEDULE FOR RENDERING SERVICES

3.01 Commencement - Engineer is authorized to begin rendering services as of the Effective Date.

3.02 Time for Completion

- A. Engineer shall complete its obligations within a reasonable time. Specific periods of time for rendering services are set forth or specific dates by which services are to be completed are provided in Exhibit A, and are hereby agreed to be reasonable.
- B. If, through no fault of Engineer, such periods of time or dates are changed, or the orderly and continuous progress of Engineer's services is impaired, or Engineer's services are delayed or suspended, then the time for completion of Engineer's services, and the rates and amounts of Engineer's compensation, shall be adjusted equitably.
- C. If Owner authorizes changes in the scope, extent, or character of the Project, then the time for completion of Engineer's services, and the rates and amounts of Engineer's compensation, shall be adjusted equitably.
- D. Owner shall make decisions and carry out its other responsibilities in a timely manner so as not to delay the Engineer's performance of its services.
- E. If Engineer fails, through its own fault, to complete the performance required in this Agreement within the time set forth, as duly adjusted, then Owner shall be entitled, as its sole remedy, to the recovery of direct damages, if any, resulting from such failure.

ARTICLE 4 - INVOICES AND PAYMENTS

- 4.01 Preparation and Submittal of Invoices: Engineer shall prepare invoices in accordance with its standard invoicing practices and the terms of Exhibit C. Engineer shall submit its invoices to Owner on a monthly basis. Invoices are due and payable within 30 days of receipt.
- 4.02 Payments
- A. Application to Interest and Principal: Payment will be credited first to any interest owed to Engineer and then to principal.
 - B. Failure to Pay: If Owner fails to make any payment due Engineer for services and expenses within 30 days after receipt of Engineer's invoice, then:
 - 1. amounts due Engineer will be increased at the rate of 1.0% per month (or the maximum rate of interest permitted by law, if less) from said thirtieth day; and
 - 2. Engineer may, after giving seven days written notice to Owner, suspend services under this Agreement until Owner has paid in full all amounts due for services, expenses, and other related charges. Owner waives any and all claims against Engineer for any such suspension.
 - C. Disputed Invoices: If Owner contests an invoice, Owner shall promptly advise Engineer of the specific basis for doing so, may withhold only that portion so contested, and must pay the undisputed portion.
 - D. Legislative Actions: If after the Effective Date any governmental entity takes a legislative action that imposes taxes, fees, or charges on Engineer's services or compensation under this Agreement, then the Engineer may invoice such new taxes, fees, or charges as a Reimbursable Expense to which a factor of 1.0 shall be applied. Owner shall reimburse Engineer for the cost of such invoiced new taxes, fees, and charges; such reimbursement shall be in addition to the compensation to which Engineer is entitled under the terms of Exhibit C.

ARTICLE 5 - OPINIONS OF COST

- 5.01 Opinions of Probable Construction Cost. Engineer's opinions of probable Construction Cost are to be made on the basis of Engineer's experience and qualifications and represent Engineer's best judgment as an experienced and qualified professional generally familiar with the construction industry. However, because Engineer has no control over the cost of labor, materials, equipment, or services furnished by others, or over contractors' methods of determining prices, or over competitive bidding or market conditions, Engineer cannot and does not guarantee that proposals, bids, or actual Construction Cost will not vary from opinions of probable Construction Cost prepared by Engineer. If Owner requires greater assurance as to probable Construction Cost, Owner must employ an independent cost estimator as provided in Exhibit B.
- 5.02 *Intentionally Omitted*
- 5.03 Opinions of Total Project Costs - The services, if any, of Engineer with respect to Total Project Costs shall be limited to assisting the Owner in collating the various cost categories which comprise Total

Project Costs. Engineer assumes no responsibility for the accuracy of any opinions of Total Project Costs.

ARTICLE 6 - GENERAL CONSIDERATIONS

6.01 Standards of Performance

- A. Standard of Care: The standard of care for all professional engineering and related services performed or furnished by Engineer under this Agreement will be the care and skill ordinarily used by members of the subject profession practicing under similar circumstances at the same time and in the same locality. Engineer makes no warranties, express or implied, under this Agreement or otherwise, in connection with Engineer's services.
- B. Technical Accuracy: Owner shall not be responsible for discovering deficiencies in the technical accuracy of Engineer's services. Engineer shall correct deficiencies in technical accuracy without additional compensation, unless such corrective action is directly attributable to deficiencies in Owner-furnished information.
- C. Consultants: Engineer may employ such Consultants as Engineer deems necessary to assist in the performance or furnishing of the services, subject to reasonable, timely, and substantive objections by Owner.
- D. Reliance on Others: Subject to the standard of care set forth in Paragraph 6.01.A, Engineer and its Consultants may use or rely upon design elements and information ordinarily or customarily furnished by others, including, but not limited to, specialty contractors, manufacturers, suppliers, and the publishers of technical standards.
- E. Compliance with Laws and Regulations, and Policies and Procedures:
 - 1. Engineer and Owner shall comply with applicable Laws and regulations.
 - 2. Prior to the Effective Date, Owner provided to Engineer in writing any and all policies and procedures of Owner applicable to Engineer's performance of services under this Agreement. Engineer shall comply with such policies and procedures, subject to the standard of care set forth in Paragraph 6.01.A, and to the extent compliance is not inconsistent with professional practice requirements.
 - 3. This Agreement is based on Laws and Regulations and Owner-provided written policies and procedures as of the Effective Date. Changes after the Effective Date to these Laws and Regulations, or to Owner-provided written policies and procedures, may be the basis for modifications to Owner's responsibilities or to Engineer's scope of services, times of performance, or compensation.
- F. Engineer shall not be required to sign any documents, no matter by whom requested, that would result in the Engineer having to certify, guarantee, or warrant the existence of conditions whose existence the Engineer cannot ascertain. Owner agrees not to make resolution of any dispute with the Engineer or payment of any amount due to the Engineer in any way contingent upon the Engineer signing any such documents.
- G. The general conditions for any construction contract documents prepared hereunder are to be the "Standard General Conditions of the Construction Contract" as prepared by the Engineers Joint Contract Documents Committee (EJCDC C-700, 2007 Edition) unless both parties mutually agree to use other general conditions by specific reference in Paragraph 6.12 herein.
- H. Engineer shall not at any time supervise, direct, control, or have authority over any contractor work, nor shall Engineer have authority over or be responsible for the means, methods,

techniques, sequences, or procedures of construction selected or used by any contractor, or the safety precautions and programs incident thereto, for security or safety at the Site, nor for any failure of a contractor to comply with Laws and Regulations applicable to such contractor's furnishing and performing of its work.

- I. Engineer neither guarantees the performance of any Contractor nor assumes responsibility for any Contractor's failure to furnish and perform the Work in accordance with the Contract Documents.
- J. Engineer shall not provide or have any responsibility for surety bonding or insurance-related advice, recommendations, counseling, or research, or enforcement of construction insurance or surety bonding requirements.
- K. Engineer shall not be responsible for the acts or omissions of any Contractor, Subcontractor, or Supplier, or of any of their employees or of any other persons (except Engineer's own employees, and Consultants) at the Site or otherwise furnishing or performing any Work; or for any decision made regarding the Contract Documents, or any application, interpretation, or clarification, of the Contract Documents, other than those made by Engineer.
- L. While at the Site, Engineer's employees and representatives shall comply with the specific applicable requirements of Contractor's and Owner's safety programs of which Engineer has been informed in writing.

6.02 Design Without Construction Phase Services - Engineer shall be responsible only for those Construction Phase services expressly required of Engineer in Exhibit A, Paragraph A1.05. With the exception of such expressly required services, Engineer shall have no design, Shop Drawing review, or other obligations during construction and Owner assumes all responsibility for the application and interpretation of the Contract Documents, review and response to Contractor claims, contract administration, processing Change Orders, revisions to the Contract Documents during construction, construction surety bonding and insurance requirements, construction observation and review, review of payment applications, and all other necessary Construction Phase engineering and professional services. Owner waives all claims against the Engineer that may be connected in any way to Construction Phase engineering or professional services except for those services that are expressly required of Engineer in Exhibit A, Paragraph A1.05.

6.03 Use of Documents

- A. All Documents prepared by Engineer and its Consultants are instruments of service in respect to this Project, and Engineer and its Consultants shall retain an ownership and property interest therein of their respective documents (including the copyright and the right of reuse at their discretion) whether or not the Project is completed. Owner shall not rely in any way on any Document unless it is in printed form, signed or sealed by the Engineer or one of its Consultants.
- B. Either party to this Agreement may rely that data or information set forth on paper (also known as hard copies) that the party receives from the other party by mail, hand delivery, or facsimile, are the items that the other party intended to send. Files in electronic media format of text, data, graphics, or other types that are furnished by one party to the other are furnished only for convenience, not reliance by the receiving party. Any conclusion or information obtained or derived from such electronic files will be at the user's sole risk. If there is a discrepancy between the electronic files and the hard copies, the hard copies govern. If the parties agree to other electronic transmittal procedures, such are set forth in an Electronic Data Protocol Exhibit attached hereto.

- C. Because data stored in electronic media format can deteriorate or be modified inadvertently or otherwise without authorization of the data's creator, the party receiving electronic files agrees that it will perform acceptance tests or procedures within three days, after which the receiving party shall be deemed to have accepted the data thus transferred. Any transmittal errors detected within the 3-day acceptance period will be corrected by the party delivering the electronic files.
- D. When transferring documents in electronic media format, the transferring party makes no representations as to long-term compatibility, usability, or readability of such documents resulting from the use of software application packages, operating systems, or computer hardware differing from those used by the documents' creator.
- E. Owner may make and retain copies of Documents for information and reference in connection with use on the Project by Owner. Engineer grants Owner a limited nonexclusive license to use the Documents on the Project, extensions of the Project, and for related uses of the Owner, subject to receipt by Engineer of full and prompt payment for all services relating to preparation of the Documents and subject to the following limitations: (1) Owner acknowledges that such Documents are not intended or represented to be suitable for use on the Project unless completed by Engineer, or for use or reuse by Owner or others on extensions of the Project, on any other project, or for any other use or purpose, without written verification or adaptation by Engineer; (2) any such use or reuse, or any modification of the Documents, without written verification, completion, or adaptation by Engineer, as appropriate for the specific purpose intended, will be at Owner's sole risk and without liability or legal exposure to Engineer or to its officers, directors, members, partners, employees, and Consultants; (3) Owner shall indemnify and hold harmless Engineer and its officers, directors, members, partners, employees, and Consultants from all claims, damages, losses, and expenses, including attorneys' fees, arising out of or resulting from any use, reuse, or modification of the Documents without written verification, completion, or adaptation by Engineer; and (4) such limited license to Owner shall not create any rights in third parties.
- F. If Engineer at Owner's request verifies the suitability of the Documents, completes them, or adapts them for extensions of the Project or for any other purpose, then Owner shall compensate Engineer at rates or in an amount to be agreed upon by Owner and Engineer.

6.04 Insurance

- A. The parties shall procure and maintain insurance as set forth herein. Engineer shall cause Owner to be listed as an additional insured on any applicable general liability insurance policy carried by Engineer. Owner shall cause Engineer and its Consultants to be listed as additional insureds on any general liability policies and as loss payees on any property insurance policies carried by Owner which are applicable to the Project. Owner and Engineer shall each deliver to the other certificates of insurance evidencing the coverages indicated in Paragraph 6.04 H. Such certificates shall be furnished prior to commencement of Engineer's services and at renewals thereafter during the life of the Agreement.
- B. Owner shall require Contractor to purchase and maintain policies of insurance covering workers' compensation, general liability, property damage (other than to the Work itself), motor vehicle damage and injuries, and other insurance necessary to protect Owner's and Engineer's interests in the Project. Owner shall require Contractor to cause Engineer and its Consultants to be listed as additional insureds with respect to such liability and other insurance purchased and maintained by Contractor for the Project.

- C. All policies of property insurance relating to the Project shall contain provisions to the effect that Engineer's and its Consultants' interests are covered and that in the event of payment of any loss or damage the insurers will have no rights of recovery against Engineer or its Consultants, or any insureds, additional insureds, or loss payees thereunder.
- D. All policies of insurance shall contain a provision or endorsement that the coverage afforded will not be canceled or reduced in limits by endorsement, and that renewal will not be refused, without prior written notice pursuant to the policy provisions.
- E. At any time, Owner may request that Engineer or its Consultants, at Owner's sole expense, provide additional insurance coverage, increased limits, or revised deductibles that are more protective than those specified in Paragraph 6.04 F. If so requested by Owner, and if commercially available, Engineer shall obtain and shall require its Consultants to obtain such additional insurance coverage, different limits, or revised deductibles for such periods of time as requested by Owner, and Paragraph 6.04 F will be supplemented to incorporate these requirements.

F. The insurance required by Paragraph 6.04.A of this Agreement are as follows:

- 1. By Owner and Engineer:
 - a. Workers' Compensation: Statutory
 - b. Employer's Liability:
 - Each Accident \$1,000,000
 - Disease, Policy Limit \$1,000,000
 - Disease, Each Employee \$1,000,000
 - c. General Liability:
 - Each Occurrence (Bodily Injury/Property Damage): \$1,000,000
 - General Aggregate: \$2,000,000
 - d. Excess or Umbrella Liability:
 - Each Occurrence \$3,000,000
 - General Aggregate \$3,000,000
 - e. Automobile Liability:
 - Combined Single Limit (Bodily Injury/Property Damage)
 - Each Accident \$1,000,000
- 2. By Engineer only:
 - a. Professional Liability:
 - Each Claim Made \$1,000,000
 - Annual Aggregate \$1,000,000

G. Additional Insureds

- 1. The following persons or entities are to be listed on Owner's general liability and property policies of insurance as additional insureds, as provided in Paragraph 6.04.A: Engineer and Engineer's Consultants, including, but not limited to, listed as follows:
NONE
- 2. During the term of this Agreement the Engineer shall notify Owner of any other Consultant to be listed as an additional insured on Owner's general liability and property policies of insurance.

6.05 Suspension and Termination

- A. Suspension:
1. By Owner: Owner may suspend the Project for up to 90 days upon seven days written notice to Engineer.
 2. By Engineer: Engineer may, after giving seven days written notice to Owner, suspend services under this Agreement if Engineer's performance has been substantially delayed through no fault of Engineer.
- B. Termination: The obligation to provide further services under this Agreement may be terminated:
1. For cause,
 - a. By either party upon 30 days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party.
 - b. By Engineer:
 - 1) upon seven days written notice if Owner demands that Engineer furnish or perform services contrary to Engineer's responsibilities as a licensed professional; or
 - 2) upon seven days written notice if the Engineer's services for the Project are delayed or suspended for more than 90 days for reasons beyond Engineer's control.
 - 3) Engineer shall have no liability to Owner on account of such termination.
 - c. Notwithstanding the foregoing, this Agreement will not terminate under Paragraph 6.05.B.1.a if the party receiving such notice begins, within seven days of receipt of such notice, to correct its substantial failure to perform and proceeds diligently to cure such failure within no more than 30 days of receipt thereof; provided, however, that if and to the extent such substantial failure cannot be reasonably cured within such 30 day period, and if such party has diligently attempted to cure the same and thereafter continues diligently to cure the same, then the cure period provided for herein shall extend up to, but in no case more than, 60 days after the date of receipt of the notice.
 2. For convenience, by Owner effective upon Engineer's receipt of notice from Owner.
- C. Effective Date of Termination: The terminating party under Paragraph 6.05.B may set the effective date of termination at a time up to 30 days later than otherwise provided to allow Engineer to demobilize personnel and equipment from the Site, to complete tasks whose value would otherwise be lost, to prepare notes as to the status of completed and uncompleted tasks, and to assemble Project materials in orderly files.
- D. Payments Upon Termination:
1. In the event of any termination under Paragraph 6.05, Engineer will be entitled to invoice Owner and to receive full payment for all services performed or furnished in accordance with this Agreement and all Reimbursable Expenses incurred through the effective date of termination. Upon making such payment, Owner shall have the limited right to the use of Documents, at Owner's sole risk, subject to the provisions of Paragraph 6.03.E.
 2. In the event of termination by Owner for convenience or by Engineer for cause, Engineer shall be entitled, in addition to invoicing for those items identified in

Paragraph 6.05.D.1, to invoice Owner and to payment of a reasonable amount for services and expenses directly attributable to termination, both before and after the effective date of termination, such as reassignment of personnel, costs of terminating contracts with Engineer's Consultants, and other related close-out costs, using methods and rates for Additional Services as set forth in Exhibit C.

6.06 Controlling Law - This Agreement is to be governed by the law of the state or jurisdiction in which the Project is located.

6.07 Successors, Assigns, and Beneficiaries

- A. Owner and Engineer are hereby bound and the successors, executors, administrators, and legal representatives of Owner and Engineer (and to the extent permitted by Paragraph 6.07.B the assigns of Owner and Engineer) are hereby bound to the other party to this Agreement and to the successors, executors, administrators and legal representatives (and said assigns) of such other party, in respect of all covenants, agreements, and obligations of this Agreement.
- B. Neither Owner nor Engineer may assign, sublet, or transfer any rights under or interest (including, but without limitation, moneys that are due or may become due) in this Agreement without the written consent of the other, except to the extent that any assignment, subletting, or transfer is mandated or restricted by law. Unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under this Agreement.
- C. Unless expressly provided otherwise in this Agreement:
 - 1. Nothing in this Agreement shall be construed to create, impose, or give rise to any duty owed by Owner or Engineer to any Contractor, Subcontractor, Supplier, other individual or entity, or to any surety for or employee of any of them.
 - 2. All duties and responsibilities undertaken pursuant to this Agreement will be for the sole and exclusive benefit of Owner and Engineer and not for the benefit of any other party.
 - 3. Owner agrees that the substance of the provisions of this Paragraph 6.07.C shall appear in the Contract Documents.

6.08 Claims and Dispute Resolution

- A. Owner and Engineer agree to negotiate all disputes between them in good faith for a period of 30 days from the date of notice prior to invoking the procedures herein provided or exercising their rights under law. If the parties fail to resolve a dispute through negotiation, then either or both may invoke the mediation procedures provided herein.
- B. Owner and Engineer agree that they shall first submit any and all unsettled claims, counterclaims, disputes, and other matters in question between them arising out of or relating to this Agreement or the breach thereof ("Disputes") to mediation in accordance with the Construction Industry Mediation Rules of the American Arbitration Association currently in effect. The parties shall share the mediator's fee and any filing fees equally. The mediation shall be held in the place where the Project is located, unless another location is mutually agreed upon. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.
- C. If such mediation is unsuccessful in resolving a Dispute, then either party may seek to have the Dispute resolved by a court of competent jurisdiction. In the event of litigation arising

from or related to this Agreement or the services provided under this Agreement, the prevailing party shall be entitled to recover in accordance with State law.

- D. Owner and Engineer shall commence all claims and causes of action, whether in contract, tort, or otherwise, against the other arising out of or related to this Agreement in accordance with the requirements of the method of binding dispute resolution selected in this Agreement within the period specified by applicable law in effect at the time this Agreement was executed, but in any case not more than 10 years after the date of Substantial Completion of the Work. Owner and Engineer waive all claims and causes of action not commenced in accordance with this Paragraph 6.08 D.

6.09 Environmental Condition of Site

- A. Owner has disclosed to Engineer in writing the existence of all known and suspected Asbestos, PCBs, Petroleum, Hazardous Waste, Radioactive Material, hazardous substances, and other Constituents of Concern located at or near the Site, including type, quantity, and location.
- B. Owner represents to Engineer that to the best of its knowledge no Constituents of Concern, other than those disclosed in writing to Engineer, exist at the Site.
- C. If Engineer encounters or learns of an undisclosed Constituent of Concern at the Site, then Engineer shall notify (1) Owner and (2) appropriate governmental officials if Engineer reasonably concludes that doing so is required by applicable Laws or Regulations.
- D. It is acknowledged by both parties that Engineer's scope of services does not include any services related to Constituents of Concern. If Engineer or any other party encounters an undisclosed Constituent of Concern, or if investigative or remedial action, or other professional services, are necessary with respect to disclosed or undisclosed Constituents of Concern, then Engineer may, at its option and without liability for consequential or any other damages, suspend performance of services on the portion of the Project affected thereby until Owner: (1) retains appropriate specialist consultants or contractors to identify and, as appropriate, abate, remediate, or remove the Constituents of Concern; and (2) warrants that the Site is in full compliance with applicable Laws and Regulations.
- E. If the presence at the Site of undisclosed Constituents of Concern adversely affects the performance of Engineer's services under this Agreement, then the Engineer shall have the option of (1) accepting an equitable adjustment in its compensation or in the time of completion, or both; or (2) terminating this Agreement for cause on 30 days notice.
- F. Owner acknowledges that Engineer is performing professional services for Owner and that Engineer is not and shall not be required to become an "owner" "arranger," "operator," "generator," or "transporter" of hazardous substances, as defined in the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, which are or may be encountered at or near the Site in connection with Engineer's activities under this Agreement.

6.10 Allocation of Risk

- A. Indemnification.
 - 1. To the fullest extent permitted by law, Engineer shall indemnify and hold harmless Owner, and Owner's officers, directors, members, partners, consultants, and employees from costs, losses, and damages arising out of or relating to the Project, provided that any such cost, loss, or damage is attributable to bodily injury, sickness,

disease, or death, or to injury to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom, but only to the extent caused by any negligent act or omission of Engineer or Engineer's officers, directors, members, partners, employees, or Consultants.

2. To the fullest extent permitted by law, Owner shall indemnify and hold harmless Engineer, Engineer's officers, directors, partners, employees, and consultants from and against any and all costs, losses, and damages (including but not limited to reasonable fees and charges of all professionals, and all court or other dispute resolution costs) to the extent caused by the Owner or Owner's officers, directors, partners, employees, consultants or contractors with respect to this Agreement or the Project.
 3. To the fullest extent permitted by law, Owner shall indemnify and hold harmless Engineer and its officers, directors, members, partners, employees, and Consultants from and against any and all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys and other professionals, and all court, arbitration, or other dispute resolution costs) caused by, arising out of, relating to, or resulting from a Constituent of Concern at, on, or under the Site, provided that (1) any such claim, cost, loss, or damage is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom, and (2) nothing in this paragraph shall obligate Owner to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence or willful misconduct.
 4. To the fullest extent permitted by law, a party's total liability to the other party and anyone claiming by, through, or under the other party for any cost, loss, or damages caused in part by the negligence of the party and in part by the negligence of the other party or any other negligent entity or individual, shall not exceed the percentage share that the party's negligence bears to the total negligence of Owner, Engineer, and all other negligent entities and individuals.
- B. Mutual Waiver: To the fullest extent permitted by law, Owner and Engineer waive against each other, and the other's employees, officers, directors, members, insurers, partners, and consultants, any and all claims for or entitlement to special, incidental, indirect, or consequential damages arising out of, resulting from, or in any way related to the Project or this Agreement. To the fullest extent permitted by law, and notwithstanding any other provision in the Agreement, consistent with the terms of this Paragraph, the Engineer and Engineer's officers, directors, partners, employees, agents, and Engineer's Consultants, or any of them, shall not be liable to Owner or anyone claiming by, through, or under Owner for any special, incidental, indirect, or consequential damages whatsoever arising out of, resulting from, or in any way related to the Project or the Agreement from any cause or causes, including but not limited to any such damages caused by the negligence, professional errors or omissions, strict liability, breach of contract, or warranties, express or implied, of Engineer or Engineer's officers, directors, partners, employees, agents, or Engineer's Consultants, or any of them.
- C. Limitation of Liability. To the fullest extent permitted by law, and notwithstanding any other provision of this Agreement, the total liability, in the aggregate, of Engineer and Engineer's officers, directors, partners, employees, agents, and Engineer's Consultants, and any of them,

to Owner and anyone claiming by, through, or under Owner for any and all claims, losses, costs, or damages whatsoever arising out of, resulting from or in any way related to the Project or the Agreement from any cause or causes, including but not limited to the negligence, professional errors or omissions, strict liability or breach of contract, or warranty express or implied of Engineer or Engineer's officers, directors, partners, employees, agents, or Engineer's Consultants, or any of them, shall not exceed the total compensation received by Engineer under this Agreement. Provided, however, if this Agreement is used as a master agreement to which separate projects are added by Task Orders, then the total liability of those named above shall not exceed the total compensation received by Engineer under such Task Order.

- D. Premium Cost. If, after the construction has begun, an error or omission is discovered and the item can still be provided in the planned sequence of construction without a premium cost to the Owner; then the Owner will pay for this entire item just as if it had been included in the original contract documents. If this error or omission is discovered out of sequence with the planned construction schedule resulting in a premium cost, then the Engineer will pay the premium cost to have this item corrected or included, while the Owner will pay the value of the item as if it had been included in the original contract documents. If such premium cost falls within two percent (2%) of the defined construction cost, then such cost shall be the responsibility of the Owner.

6.11 Miscellaneous Provisions

- A. Notices: Any notice required under this Agreement will be in writing, addressed to the appropriate party at its address on the signature page and given personally, by facsimile, by registered or certified mail postage prepaid, or by a commercial courier service. All notices shall be effective upon the date of receipt.
- B. Survival: All express representations, waivers, indemnifications, and limitations of liability included in this Agreement will survive its completion or termination for any reason.
- C. Severability: Any provision or part of the Agreement held to be void or unenforceable under any Laws or Regulations shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon Owner and Engineer, which agree that the Agreement shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.
- D. Waiver: A party's non-enforcement of any provision shall not constitute a waiver of that provision, nor shall it affect the enforceability of that provision or of the remainder of this Agreement.
- E. Accrual of Claims: To the fullest extent permitted by law, all causes of action arising under this Agreement shall be deemed to have accrued, and all statutory periods of limitation shall commence, no later than the date of Substantial Completion.
- F. Photographic or Artistic Representations: Engineer shall have the right to include photographic or artistic representations of the design of the Project among the Engineer's promotional and professional materials. Engineer shall be given reasonable access to the completed Project to make such representations. However, Engineer's material shall not include Owner's confidential or proprietary information if Owner has previously advised engineer in writing of the specific information considered by Owner to be confidential or

proprietary. Owner shall provide professional credit for Engineer in Owner's promotional materials for the Project.

6.12 Special Provisions: Listed as follows or None as stated below:

NONE

ARTICLE 7 - DEFINITIONS

7.01 Defined Terms. Wherever used in this Agreement (including the Exhibits hereto) terms (including the singular and plural forms) printed with initial capital letters have the meanings indicated in the text above, in the exhibits, or in the following provisions:

1. Additional Services – The services to be performed for or furnished to Owner by Engineer in accordance with Part 2 of Exhibit A of this Agreement.
2. Agreement – This written contract for professional services between Owner and Engineer, including all exhibits identified in Paragraph 8.01 and any duly executed amendments.
3. Asbestos – Any material that contains more than one percent asbestos and is friable or is releasing asbestos fibers into the air above current action levels established by the United States Occupational Safety and Health Administration.
4. Basic Services – The services to be performed for or furnished to Owner by Engineer in accordance with Part 1 of Exhibit A of this Agreement.
5. Construction Contract – The entire and integrated written agreement between Owner and Contractor concerning the Work.
6. Construction Cost – The cost to Owner of those portions of the entire Project designed or specified by Engineer. Construction Cost does not include costs of services of Engineer or other design professionals and consultants; cost of land or rights-of-way, or compensation for damages to properties; Owner's costs for legal, accounting, insurance counseling or auditing services; interest or financing charges incurred in connection with the Project; or the cost of other services to be provided by others to Owner pursuant to Exhibit B of this Agreement. Construction Cost is one of the items comprising Total Project Costs.
7. Constituent of Concern – Any substance, product, waste, or other material of any nature whatsoever (including, but not limited to, Asbestos, Petroleum, Radioactive Material, and PCBs) which is or becomes listed, regulated, or addressed pursuant to (a) the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. §§9601 et seq. ("CERCLA"); (b) the Hazardous Materials Transportation Act, 49 U.S.C. §§1801 et seq.; (c) the Resource Conservation and Recovery Act, 42 U.S.C. §§6901 et seq. ("RCRA"); (d) the Toxic Substances Control Act, 15 U.S.C. §§2601 et seq.; (e) the Clean Water Act, 33 U.S.C. §§1251 et seq.; (f) the Clean Air Act, 42 U.S.C. §§7401 et seq.; and (g) any other federal, state, or local statute, law, rule, regulation, ordinance, resolution, code, order, or decree regulating, relating to, or imposing liability or standards of conduct concerning, any hazardous, toxic, or dangerous waste, substance, or material.
8. Consultants – Individuals or entities having a contract with Engineer to furnish services with respect to this Project as Engineer's independent professional associates and consultants; subcontractors; or vendors.
9. Contract Documents – Those items so designated in the Construction Contract, including the Drawings, Specifications, construction agreement, and general and supplementary conditions. Only printed or hard copies of the items listed in the Construction Contract are Contract Documents. Approved Shop Drawings, other Contractor submittals, and the reports and drawings of subsurface and physical conditions are not Contract Documents.

10. Contractor – The entity or individual with which Owner has entered into a Construction Contract.
11. Documents – Data, reports, Drawings, Specifications, Record Drawings, and other deliverables, whether in printed or electronic media format, provided or furnished in appropriate phases by Engineer to Owner pursuant to this Agreement.
12. Drawings – That part of the Contract Documents prepared or approved by Engineer which graphically shows the scope, extent, and character of the Work to be performed by Contractor. Shop Drawings are not Drawings as so defined.
13. Effective Date – The date indicated in this Agreement on which it becomes effective, but if no such date is indicated, the date on which this Agreement is signed and delivered by the last of the parties to sign and deliver.
14. Engineer – The individual or entity named as such in this Agreement.
15. Hazardous Waste – The term Hazardous Waste shall have the meaning provided in Section 1004 of the Solid Waste Disposal Act (42 USC Section 6903) as amended from time to time.
16. Laws and Regulations; Laws or Regulations – Any and all applicable laws, rules, regulations, ordinances, codes, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction.
17. Owner – The individual or entity with which Engineer has entered into this Agreement and for which the Engineer's services are to be performed. Unless indicated otherwise, this is the same individual or entity that will enter into any Construction Contracts concerning the Project.
18. PCBs – Polychlorinated biphenyls.
19. Petroleum – Petroleum, including crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute), such as oil, petroleum, fuel oil, oil sludge, oil refuse, gasoline, kerosene, and oil mixed with other non-hazardous waste and crude oils.
20. Project – The total construction of which the Work to be performed under the Contract Documents may be the whole, or a part.
21. Radioactive Material – Source, special nuclear, or byproduct material as defined by the Atomic Energy Act of 1954 (42 USC Section 2011 et seq.) as amended from time to time.
22. Record Drawings – Drawings depicting the completed Project, prepared by Engineer as an Additional Service and based solely on Contractor's record copy of all Drawings, Specifications, addenda, change orders, work change directives, field orders, and written interpretations and clarifications, as delivered to Engineer and annotated by Contractor to show changes made during construction.
23. Reimbursable Expenses – The expenses incurred directly by Engineer in connection with the performing or furnishing of Basic and Additional Services for the Project.
24. Resident Project Representative – The authorized representative of Engineer assigned to assist Engineer at the Site during the Construction Phase. As used herein, the term Resident Project Representative or "RPR" includes any assistants or field staff of Resident Project Representative agreed to by Owner. The duties and responsibilities of the Resident Project Representative, if any, are as set forth in Exhibit D.
25. Samples – Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and which establish the standards by which such portion of the Work will be judged.
26. Shop Drawings – All drawings, diagrams, illustrations, schedules, and other data or information which are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work.

27. Site – Lands or areas to be indicated in the Contract Documents as being furnished by Owner upon which the Work is to be performed, including rights-of-way and easements for access thereto, and such other lands furnished by Owner which are designated for the use of Contractor.
28. Specifications – That part of the Contract Documents consisting of written technical descriptions of materials, equipment, systems, standards, and workmanship as applied to the Work and certain administrative details applicable thereto.
29. Subcontractor – An individual or entity having a direct contract with Contractor or with any other Subcontractor for the performance of a part of the Work at the Site.
30. Substantial Completion – The time at which the Work (or a specified part thereof) has progressed to the point where, in the opinion of Engineer, the Work (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Work (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms “substantially complete” and “substantially completed” as applied to all or part of the Work refer to Substantial Completion thereof.
31. Supplier – A manufacturer, fabricator, supplier, distributor, materialman, or vendor having a direct contract with Contractor or with any Subcontractor to furnish materials or equipment to be incorporated in the Work by Contractor or Subcontractor.
32. Total Project Costs – The sum of the Construction Cost, allowances for contingencies, and the total costs of services of Engineer or other design professionals and consultants, together with such other Project-related costs that Owner furnishes for inclusion, including but not limited to cost of land, rights-of-way, compensation for damages to properties, Owner’s costs for legal, accounting, insurance counseling and auditing services, interest and financing charges incurred in connection with the Project, and the cost of other services to be provided by others to Owner pursuant to Exhibit B of this Agreement.
33. Work – The entire construction or the various separately identifiable parts thereof required to be provided under the Contract Documents. Work includes and is the result of performing or providing all labor, services, and documentation necessary to produce such construction, and furnishing, installing, and incorporating all materials and equipment into such construction, all as required by the Contract Documents.

ARTICLE 8 - EXHIBITS AND SPECIAL PROVISIONS

8.01 Exhibits Included:

Exhibit A, Engineer’s Services

Exhibit B, Owner’s Responsibilities

Exhibit C, Payments to Engineer for Services and Reimbursable Expenses

Exhibit D, Duties, Responsibilities and Limitations of Authority of Resident Project Representative--Not Included

Exhibit E, Notice of Acceptability of Work--Not Included

Exhibit F, Amendment to Owner-Engineer Agreement

8.02 Total Agreement. This Agreement, (together with the exhibits identified above) constitutes the entire agreement between Owner and Engineer and supersedes all prior written or oral understandings.

This Agreement may only be amended, supplemented, modified, or canceled by a duly executed written instrument based on the format of Exhibit F to this Agreement.

8.03 Designated Representatives. With the execution of this Agreement, Engineer and Owner shall designate specific individuals to act as Engineer's and Owner's representatives with respect to the services to be performed or furnished by Engineer and responsibilities of Owner under this Agreement. Such an individual shall have authority to transmit instructions, receive information, and render decisions relative to the Project on behalf of the respective party whom the individual represents.

8.04 Engineer's Certifications. Engineer certifies that it has not engaged in corrupt, fraudulent, or coercive practices in competing for or in executing the Agreement. For the purposes of this Paragraph 8.04: "corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the selection process or in the Agreement execution; "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the selection process or the execution of the Agreement to the detriment of Owner, or (b) to deprive Owner of the benefits of free and open competition; and "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the selection process or affect the execution of the Agreement.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their duly authorized representatives, the Effective Date of which is indicated on page 1.

OWNER: City of Crossville

Designated Representative (8.03A)

By: _____

Name: _____

Title: _____

Title: _____

Date: _____

Phone: _____

Email: _____

Address for Giving Notices:

ENGINEER: GRESHAM, SMITH AND PARTNERS

Designated Representative (8.03A)

By: _____

Name: Jason Brady, P.E.

Title: PRINCIPAL

Title: Project Manager

Date: _____

Phone: 865-521-6777

Email: Jason_brady@gspnet.com

Address for Giving Notices:

1400 Nashville City Center
511 Union Street
Nashville, TN 37219-1733

Scope of Work for 4th Street and West Avenue Intersection

EXHIBIT A

LOCATION AND DESCRIPTION

The proposed 4th Street and West Avenue Intersection project in the City of Crossville includes intersection improvements and a new traffic signal, as well as upgrades to existing closed system drainage along 4th, Henry and North Streets. The project also requires coordination of affected utilities for both overhead and underground conflicts.

This project consists of the design and construction of a new traffic signal, intersection improvements to accommodate ADA compliant crossings across two legs of the intersection, and upgraded drainage system from the intersection to the large area drain on North Street at Dunbar. The project is funded through the TDOT Local Programs office and includes administrative coordination as required. A topographic survey of the immediate project area will be performed and a NEPA document will be prepared per TDOT requirements.

PROJECT MANAGEMENT

Gresham, Smith and Partners (GS&P) will manage this project for the City of Crossville. At the beginning of the project, GS&P will hold a kick-off meeting with the City to formulate a clear understanding of the project requirements. This meeting will include discussion of the project scope, schedule, communication protocol and team organization.

Project progress meetings will be conducted routinely either at the City of Crossville office or, when appropriate, by teleconference to provide detailed updates on the project status. These meetings will occur as needed, but no less than once monthly. GS&P will prepare agendas for and schedule all meetings in concurrence with the City's Project Manager and will distribute meeting minutes afterward. In addition to the project status meetings, it is anticipated that other periodic meetings may be required between GS&P staff and key City staff members.

GS&P will prepare monthly status reports that cover the project progress from one report to the next and will indicate the work completed during the past month. These monthly reports will usually accompany the monthly progress billing.

UTILITY COORDINATION

This scope is for coordination between the City of Crossville and the utility owners located in the project area. GS&P will print and submit plan sets and letters to the affected utility owners. In addition, GS&P will set up and lead an initial contact meeting to discuss the project with the utility owners.

The scope of services of the Utility Coordinator includes:

1. Attending all Utility Coordination meetings.

Scope of Work for 4th Street and West Avenue Intersection

EXHIBIT A

2. Coordinate with Utility Owners on potential relocation needs.
3. Coordinate with Design Team to address relocation needs.

SURVEYING SERVICES

The limits of survey for this project along 4th Street are as follows: from the intersection with West Avenue (including the intersection) approximately 200 feet west to the intersection with Henry Street. Survey along Henry Street will continue to the intersection with North Street and then along North Street to the project terminus at the existing area drain at the intersection of Dunbar Street. The survey corridor along each street will be limited to the existing right-of-way. Additional width will be collected where necessary. The areas of additional width will be dictated by the design engineer. This scope of services assumes that horizontal and vertical alignments of the corridors, including curb lines, are not changed by the design. Side roads and drives will only be surveyed to the mainline right-of-way for tie-in purposes.

Surveying services for this project include the following:

1. Provide Planimetric, Utility, and Topographic Survey for Design
 - Existing Topography
 - Existing Utility Mapping
 - Stormwater/Wastewater As-Builts
2. Provide Boundary Surveying
 - Property Research
 - Existing Right-of-Way
 - Existing Easements

Does not include:

- Property maps and legal description for right-of-way or easement acquisition
- Post construction service to restore corners and monuments
- Construction layout data

ENVIRONMENTAL EVALUATION

This scope of work summarizes the items to be completed by GS&P on behalf of the City of Crossville to prepare the National Environmental Policy Act (NEPA) document to submit to the Tennessee Department of Transportation (TDOT) and Federal Highway Administration (FHWA) for the proposed Traffic Signal Replacement Project at the intersection of 4th Street and West

Scope of Work for 4th Street and West Avenue Intersection

EXHIBIT A

Avenue (SR1). The NEPA documentation for this project will be developed to meet TDOT and FHWA requirements as outlined in FHWA Technical Advisory T6640.8A; FHWA Final Rule, "Background," Federal Register Volume 79, No. 8, January 13, 2014; and Federal/State statutes/regulations. All public and agency involvement will be completed according to TDOT requirements outlined in their public involvement plan for CEs. The document will also meet TDOT's Local Programs Guidelines.

Environmental Document

GS&P has coordinated with TDOT Local Programs and determined the level of environmental document to be a C-List Categorical Exclusion (CE) for this project. The NEPA scope assumes that a C-List CE will be required by FHWA.

Technical Studies

All technical work will be coordinated through the TDOT's Office of Local Programs. GS&P will develop a Purpose and Need document to provide to the Local Programs Office. This Purpose and Need document will be distributed to each technical division so that they may begin their technical review. Below is a listing of each technical topic area required and the level of documentation.

- Archaeology – GS&P will prepare the TDOT Template for Archaeology Section 106 coordination with TDOT. This template includes a project vicinity map, USGS map, and photos of the project area. Archaeology coordination with the SHPO will be conducted through TDOT's Archaeology Section.
- Historic/Architectural Resources – GS&P will prepare the TDOT Template for Historic/Architectural Section 106 coordination with TDOT. This template includes a project vicinity map, USGS map, a review of the Tennessee Historic Commission (THC) database for historic resources, and photos of structures within the project area. Historic/Architectural coordination with the SHPO will be conducted through TDOT's Historic Section.
- Native American Coordination – TDOT's Archaeological Section conducts all Native American coordination (if required). GS&P will provide them with the information needed to submit to the tribes. The TDOT Archaeology Section will be solely responsible for direct coordination with the appropriate Tribes.
- Hazardous Materials – The project will not require a Phase I Environmental Site Assessment; a desktop review and database search by GS&P will be adequate.

Scope of Work for 4th Street and West Avenue Intersection

EXHIBIT A

- Air Quality – TDOT will provide GS&P the Air Quality statement to include in the NEPA document. An air quality report will not be required.
- Noise – Because this is a Type III project, a noise study is not needed. GS&P will coordinate with TDOT regarding a noise statement to add to the NEPA document.
- Environmental Justice Analysis – GS&P will prepare an Environmental Justice (EJ) evaluation in conformance with Executive Order 12898, FHWA Order 6640.23 (December 2, 1998) and with the new TDOT Environmental Division Guidance dated November 2015. The analysis will consider the composition of the affected area to determine whether minority or low-income populations are present in the area that may be affected by the proposed action, and, if so, whether there may be disproportionately high and adverse human health or environmental effects on minority and low income populations.
- Ecology – Ecological Resource coordination with TDOT Ecology Section is not required for Local Programs projects. Instead, GS&P will conduct coordination with the required state and federal agencies, including the Tennessee Department of Environment and Conservation (TDEC), Tennessee Wildlife Resources Agency (TWRA), U.S. Army Corps of Engineers (USACE) and United States Fish and Wildlife Service (USFWS).
- Indiana Bat and Northern Long-eared Bat – Due to the limited potential bat habitat in the area, a bat survey will not be required.

Prepare NEPA Document

GS&P will develop the C-List CE document using the TDOT Local Programs template. The results of the coordination, the purpose and need statement, a description of the build alternative, and the results of the technical studies/analysis will be incorporated into the C-List CE. The NEPA document will be offered to the City for review and comment (if requested). Once the City has approved the document, it will be submitted to TDOT for review and comment. GS&P will finalize the C-List CE for FHWA signature and will provide the requested number of copies, as needed. The result of this task is a signed C-List CE. With the acceptance of the C-List CE, the TDOT Local Programs Office will issue a Notice to Proceed.

Additional Information

Due to the unique nature of Local Programs projects, GS&P will coordinate with the TDOT Local Programs contact within TDOT Environmental Division before beginning any NEPA work. This will continue during all technical section and agency coordination and throughout the environmental clearance process.

Scope of Work for 4th Street and West Avenue Intersection

EXHIBIT A

TRAFFIC DESIGN SERVICES

Traffic design services include the signal design for a mast arm installation to replace the existing span wire signal assembly for the intersection of 4th Street and West Avenue/SR 1/ US Hwy 70. Construction plans to upgrade this intersection will include the following design elements:

- Location of mast arm poles
- Signal head type and placement
- Detector design and placement
- Controller cabinet placement
- Controller type
- Signal phasing diagram
- Wiring diagram
- Pedestrian equipment type and placement
- Specifications/construction notes

Layout Base Sheets

Set up sheet border, reference in design file and aerials (as needed), and set up signal design DGN file.

Traffic Signal Design/Layout

Includes placement of mast arm poles, identification of type of signal heads needed and their location, detection type and location, detection conduit runs to the controller, controller cabinet placement and controller type. Updates to pavement markings and signing are included separately. All design and proposed construction will be within the City's existing right-of-way.

Specifications/Construction Notes

General notes, quantities, equipment specifications, construction notes, standard drawings and design tables.

Submit Final Plans

Plans will be prepared according to TDOT and City of Crossville specifications. Right-of-Way and Construction reviews are planned for this project.

Scope of Work for 4th Street and West Avenue Intersection

EXHIBIT A

ROADWAY DESIGN SERVICES

The roadway design portion of the scope will consist of intersection layout design facilitating ADA compliant crossings and drainage improvements from the intersection to the existing system on North Street.

All plans will be in accordance with the Tennessee Department of Transportation (TDOT) standards and are subject for review and approval.

Preliminary Design tasks

1. Identify drainage areas from GIS mapping provided by City of Crossville.
2. Preliminary pipe sizing from intersection to outfall.
3. Sidewalk improvements and ADA considerations for the intersection.
4. Placement of signal poles and cabinet.

The above tasks will be completed to planning level documents for meeting with the City Engineer for comments and approval to move forward with design.

Engineering Plans Production

This task is for all the geometric improvements based on the approved functional plan.

1. Intersection improvement plans.
 - A. Plan view detailed layouts of intersection including:
 - i) Curb modifications to provide additional room for ADA compliance
 - ii) ADA ramp placement and grades
 - iii) Modifications to closed system drainage
 - iv) Placement of signal equipment
 - B. Typical Section
2. Right-of-Way/Utility Plans
 - A. Finalize alignments
 - B. Develop initial traffic control plans
 - C. Finalize drainage plans
 - D. Add erosion control details to the plans
3. Pavement evaluation and design based on recommendation from Geotechnical sub consultant and concurrence from TDOT.
4. Striping plan.
5. Sheet Production
 - A. Title Sheet

Scope of Work for 4th Street and West Avenue Intersection

EXHIBIT A

- B. Estimated Quantities
- C. General Notes
- D. Typical Sections
- E. Drainage Structures Tables and Quantities
- F. Detail Sheets
- G. Property Map
- H. Present Layout
- K. Profile Sheet
- J. Proposed Layout
- K. Erosion Control Plan
- L. Traffic Control plan
- M. Striping Plan
- N. Signal Plan

Permitting and Compensatory Mitigation Services

Due to the location of the project and the limited disturbance we anticipate no permitting or mitigation will be required for this project.

GEOTECHNICAL SERVICES

GS&P will have GEOS under contract for the project, but due to the nature of the work we do not anticipate field exploration and laboratory tests during design. We will utilize them for pavement design for the utility patching on the project and also to observe and test material placement during construction. GEOS will also be on call during construction to make recommendations if unsuitable material is discovered.

CONSTRUCTION ENGINEERING AND INSPECTION

Construction Engineering and Inspection services are included in this agreement but the scope and fee for these services will be developed later. This will allow us to more accurately estimate the duration of construction and the type and amount of materials that require field and laboratory testing.

SPECIFIC SERVICES NOT INCLUDED IN THE SCOPE

The following items are not anticipated to be required at this time and therefore are specifically excluded from the scope. These services may be added at the client's request as an extra service:

Scope of Work for 4th Street and West Avenue Intersection

EXHIBIT A

- Lighting Design
- Structural design including retaining walls
- Permit or application fees
- Landscaping plan
- Shop drawing review
- Fees to purchase additional property
- Traffic Counts
- Traffic Analysis
- Signal timing plans
- Preemption PlansUtility Design
- Right-of-way or easement acquisition, exhibits, descriptions or other related services
- Lighting or electrical design

COMPENSATION

See Exhibit C

EXHIBIT B – OWNER’S RESPONSIBILITIES

Article 2 of the Agreement is supplemented to include the following agreement of the parties.

B2.01 In addition to other responsibilities of Owner as set forth in this Agreement, Owner shall at its expense:

- A. Provide Engineer with all criteria and full information as to Owner’s requirements for the Project, including design objectives and constraints, space, capacity and performance requirements, flexibility, and expandability, and any budgetary limitations; and furnish copies of all design and construction standards which Owner will require to be included in the Drawings and Specifications; and furnish copies of Owner’s standard forms, conditions, and related documents for Engineer to include in the Bidding Documents, when applicable.
- B. Furnish to Engineer any other available information pertinent to the Project including reports and data relative to previous designs, or investigation at or adjacent to the Site.
- C. Following Engineer’s assessment of initially-available Project information and data and upon Engineer’s request, furnish or otherwise make available such additional Project related information and data as is reasonably required to enable Engineer to complete its Basic and Additional Services. Such additional information or data would generally include the following:
 - 1. Property descriptions.
 - 2. Zoning, deed, and other land use restrictions.
 - 3. Property, boundary, easement, right-of-way, and other special surveys or data, including establishing relevant reference points.
 - 4. Explorations and tests of subsurface conditions at or contiguous to the Site, drawings of physical conditions relating to existing surface or subsurface structures at the Site, or hydrographic surveys, with appropriate professional interpretation thereof.
 - 5. Environmental assessments, audits, investigations, and impact statements, and other relevant environmental or cultural studies as to the Project, the Site, and adjacent areas.
 - 6. Data or consultations as required for the Project but not otherwise identified in the Agreement or the Exhibits thereto.
 - 7. All surveys will be provided in hard copy in addition to digital format.
- D. Give prompt written notice to Engineer whenever Owner observes or otherwise becomes aware of the presence at the Site of any Constituent of Concern, or of any other development that affects the scope or time of performance of Engineer’s services, or any defect or nonconformance in Engineer’s services, the Work, or in the performance of any Contractor.
- E. Arrange for safe access to and make all provisions for Engineer to enter upon public and private property as required for Engineer to perform services under the Agreement.
- F. Examine all alternate solutions, studies, reports, sketches, Drawings, Specifications, proposals, and other documents presented by Engineer (including obtaining advice of an attorney, insurance counselor, and other advisors or consultants as Owner deems appropriate with respect to such examination) and render in writing timely decisions pertaining thereto.
- G. Provide reviews, approvals, and permits from all governmental authorities having jurisdiction to approve all phases of the Project designed or specified by Engineer and such reviews, approvals, and consents from others as may be necessary for completion of each phase of the Project.
- H. Recognizing and acknowledging that Engineer's services and expertise do not include the following services, provide, as required for the Project:

1. Accounting, bond and financial advisory, independent cost estimating, and insurance counseling services.
 2. Legal services with regard to issues pertaining to the Project as Owner requires, Contractor raises, or Engineer reasonably requests.
 3. Such auditing services as Owner requires to ascertain how or for what purpose Contractor has used the moneys paid.
- I. Advise Engineer of the identity and scope of services of any independent consultants employed by Owner to perform or furnish services in regard to the Project, including, but not limited to, cost estimating, project peer review, value engineering, and constructability review.
 - J. Furnish to Engineer data as to Owner's anticipated costs for services to be provided by others (including, but not limited to, accounting, bond and financial, independent cost estimating, insurance counseling, and legal advice) for Owner so that Engineer may assist Owner in collating the various cost categories which comprise Total Project Costs.
 - K. If Owner designates a construction manager or an individual or entity other than, or in addition to, Engineer to represent Owner at the Site, define and set forth as an attachment to this Exhibit B the duties, responsibilities, and limitations of authority of such other party and the relation thereof to the duties, responsibilities, and authority of Engineer.
 - L. Attend construction progress and other job related meetings, and Substantial Completion and final payment visits to the Project.
 - M. Provide the services of an independent testing laboratory to perform all inspections, tests, and approvals of samples, materials, and equipment required by the Contract Documents, or to evaluate the performance of materials, equipment, and facilities of Owner, prior to their incorporation into the Work with appropriate professional interpretation thereof.
 - N. Provide Engineer with the findings and reports generated by the entities providing services to Owner pursuant to this paragraph.
 - O. Inform Engineer in writing of any specific requirements of safety or security programs that are applicable to Engineer, as a visitor to the Site.

Exhibit C (continued)
SCHEDULE OF HOURLY RATES
2017

Professional Services

Classification	Rate/Hour
Principal	\$235.00
Project Manager	\$190.00
Senior Engineer	\$155.00
Senior Structural Engineer	\$195.00
Senior Utility Specialist	\$155.00
Utility Specialist	\$125.00
Project Engineer	\$135.00
Civil Designer	\$100.00
Chief Inspector	\$100.00
Inspector	85.00
Intern Engineer	\$85.00
CADD Technician	\$80.00
Administrative Assistant	\$90.00

Expenses	Rate
Automobile Travel	\$0.535/mile
Other travel and subsistence expenses (lodging, meals, air travel, etc.)	At Current Rate
Printing, overnight mail, courier, long distance, postage, copies, etc.	At Current Rate

Subconsultant Services *Cost*

Agency Review Fees *Cost*

Payment to Engineer

**4th Street & West Avenue Intersection
City of Crossville, Tennessee**

COMPENSATION

These services will be performed and billed hourly towards a not to exceed amount of **\$103,500.00**. This amount includes the total from GS&P and our sub consultants. A schedule of hourly rates is shown on the following page.

The Schedule of Values based on project phase is as followed:

- | | |
|---|-------------|
| • NEPA Phase (Includes Survey and Planning) | \$29,000.00 |
| • ROW Plans Phase | \$38,000.00 |
| • Construction Plans Phase | \$29,000.00 |
| • Bid Documents and Specifications | \$7,500.00 |

AMENDMENT TO OWNER-ENGINEER AGREEMENT
Amendment No. FORM

1. Background Data:

Effective Date of Owner-Engineer Agreement:

Owner:

Engineer:

Project:

2. Description of Modifications: *(Check only those that are applicable. Refer to paragraph numbers used in the Agreement or previous amendment for clarity with respect to the modifications to be made. Use paragraph numbers in this document for ease of reference herein and in future correspondence or amendments.)*

- a. Engineer shall perform or furnish the following Additional Services:
- b. The Scope of Services currently authorized to be performed by Engineer in accordance with the Agreement and previous amendments, if any, is modified as follows:
- c. The responsibilities of Owner are modified as follows:
- d. For the Additional Services or the modifications to services set forth above, Owner shall pay Engineer the following additional or modified compensation:
- e. The schedule for rendering services is modified as follows:
- f. Other portions of the Agreement (including previous amendments, if any) are modified as follows:

3. Agreement Summary (Reference only)

- a. Original Agreement amount: \$
- b. Net change for prior amendments: \$
- c. This amendment amount: \$
- d. Adjusted Agreement amount: \$

The foregoing Agreement Summary is for reference only and does not alter the terms of the Agreement.

Owner and Engineer hereby agree to modify the above-referenced Agreement as set forth in this Amendment. All provisions of the Agreement not modified by this or previous Amendments remain in effect. The Effective Date of this Amendment is .

OWNER:

ENGINEER: GRESHAM, SMITH AND PARTNERS

By: _____

By: _____

Name & Title: _____

Name & Title:

Date: _____

Date: