Airport Name: Joplin Regional Airport
Project No.: 196-090A-2
County: Jasper

STATE AVIATION TRUST FUND PROJECT CONSULTANT AGREEMENT
(Revision 01/01/11)

THIS AGREEMENT is entered into by Crawford, Murphy & Tilly, Inc. (hereinafter the "Consultant"), and the City of Joplin, (hereinafter the "Sponsor").

WITNESSETH:

WHEREAS, the Sponsor has selected the Consultant to perform professional services to accomplish a project at the Joplin Regional Airport.

WHEREAS, while neither the Missouri Department of Transportation (MoDOT) nor the Federal Aviation Administration (FAA) is a party to this Agreement, MoDOT and/or FAA land acquisition, environmental, planning, design and construction criteria and other requirements will be utilized unless specifically approved otherwise by MoDOT.

WHEREAS, while the Sponsor intends to accomplish a project at the Joplin Regional Airport as listed in Exhibit I of this Agreement, entitled "Project Description", which is attached hereto and made a part of this Agreement.

NOW, THEREFORE, in consideration of the payments to be made and the covenants set forth in this Agreement to be performed by the Sponsor, the Consultant hereby agrees that it shall faithfully perform the professional services called for by this Agreement in the manner and under the conditions described in this Agreement.

(1) DEFINITIONS: The following definitions apply to these terms, as used in this Agreement:

(A) " SPONSOR" means the owner of the airport referenced above.

(B) “SPONSOR’S REPRESENTATIVE” means the person or persons designated in paragraph 20(A) of this agreement by the Sponsor to represent the Sponsor in negotiations, communications, and various other contract administration dealings with the Consultant.

(C) "MoDOT" means the Missouri Department of Transportation, an executive branch agency of state government, which acts on behalf of the Missouri Highways and Transportation Commission.

(D) "CONSULTANT" means the firm providing professional services to the Sponsor as a party to this Agreement.

(E) "CONSULTANT'S REPRESENTATIVE" means the person or persons designated in paragraph 20(B) of this agreement by the Consultant to represent that firm in negotiations, communications, and various other contract administration dealings with the Sponsor.

(F) "DELIVERABLES" means all drawings and documents prepared in performance of this Agreement, to be delivered to and become the property of the Sponsor pursuant to the terms and conditions set out in paragraph (11) of this Agreement.

(G) "FAA" means the Federal Aviation Administration within the United States Department of Transportation (USDOT), headquartered at Washington, D.C., which acts through its authorized representatives.

(H) "INTELLECTUAL PROPERTY" consists of copyrights, patents, and any other form of intellectual property rights covering any data bases, software, inventions, training manuals, systems design or other proprietary information in any form or medium.

(I) "SUBCONSULTANT" means any individual, partnership, corporation, or joint venture to which the Consultant, with the approval of the sponsor, subcontracts any part of the professional services under this Agreement but shall not include those entities, which supply only materials or supplies to the Consultant.

(J) "SUSPEND" the services means that the services as contemplated herein shall be stopped on a temporary basis. This stoppage will continue until the Sponsor either decides to terminate the project or reactivate the services under the conditions then existing.

(K) "TERMINATE", in the context of this Agreement, means the cessation or quitting of this Agreement based upon the action or inaction of the Consultant, or the unilateral cancellation of this Agreement by the Sponsor.

(L) "SERVICES" includes all professional engineering and related services and the furnishing of all equipment, supplies, and materials in conjunction with such services as are required to achieve the broad purposes and general objectives of this Agreement.

(2) SCOPE OF SERVICES:

(A) The services covered by this Agreement shall include furnishing the professional, technical, and other personnel and the equipment, material and all other things necessary to accomplish the proposed project detailed in Exhibit I of this

Agreement.

(B) The specific services to be provided by the Consultant are set forth on Exhibit II to this Agreement, entitled "Scope of Services," which is attached hereto and made a part of this Agreement.

(3) ADDITIONAL SERVICES: The Sponsor reserves the right to direct additional services not described in Exhibit II as changed or unforeseen conditions may require. Such direction by the Sponsor shall not be a breach of this Agreement. In this event, a supplemental agreement will be negotiated and executed prior to the Consultant performing the additional or changed services, or incurring any additional cost therefore. Any changes in the maximum compensation, or time and schedule of completion, will be covered in the supplemental agreement. Supplemental agreements must be approved by MoDOT to ensure additional funding is available.

(4) INFORMATION AND SERVICES PROVIDED BY THE SPONSOR:

(A) At no cost to the Consultant and in a timely manner, the Sponsor will provide available information of record which is pertinent to this project to the Consultant upon request. In addition, the Sponsor will provide the Consultant with the specific items or services set forth on Exhibit III to this Agreement, entitled "Services Provided by the Sponsor", which is attached hereto and made a part of this Agreement. The Consultant shall be entitled to rely upon the accuracy and completeness of such information, and the Consultant may use such information in performing services under this Agreement.

(B) The Consultant shall review the information provided by the Sponsor and will as expeditiously as possible advise the Sponsor of any of that information which the Consultant believes is inaccurate or inadequate or would otherwise have an effect on its design or any of its other activities under this Agreement. In such case, the Consultant shall provide new or verified data or information as necessary to meet the standards required under this Agreement. Any additional work required of the Consultant as the result of inaccurate or inadequate information provided by the Sponsor will be addressed per the provisions of paragraph 3 of this Agreement.

(5) RESPONSIBILITY OF THE CONSULTANT:

(A) The Consultant shall comply with applicable local, state and federal laws and regulations governing these services, as published and in effect on the date of this Agreement. The Consultant shall provide the services in accordance with the criteria and requirements established and adopted by the Sponsor as expressly established in this Agreement, consisting of published manuals and policies of MoDOT and FAA which shall be furnished by the Sponsor upon request.

(B) Without limiting the foregoing, land acquisition, environmental, planning, design and construction criteria will be in accordance with the information set

out in Exhibit II of this Agreement.

(C) The Consultant shall be responsible for the professional quality, technical accuracy, and the coordination of designs, drawings, specifications, and other services furnished under this Agreement. At any time during construction or during any phase of work performed by others based upon data, plans, designs, or specifications provided by the Consultant, the Consultant shall prepare any data, plans, designs, or specifications needed to correct any negligent acts, errors, or omissions of the Consultant or anyone for whom it is legally responsible in failing to comply with the foregoing standard. The services necessary to correct such negligent acts, errors, or omissions shall be performed without additional compensation, even though final payment may have been received by the Consultant. The Consultant shall provide such services as expeditiously as is consistent with professional performance. Acceptance of the services will not relieve the Consultant of the responsibility to correct such negligent acts, errors, or omissions.

(D) Completed design reports, plans and specifications, plans/specifications submitted for review by permit authorities, and plans/specifications issued for construction shall be signed, sealed, and dated by a professional engineer registered in the State of Missouri. Incomplete or preliminary plans or other documents, when submitted for review by others, shall not be sealed, but the name of the responsible engineer, along with the engineer's Missouri registration number, shall be indicated on the design report, plans and specifications or included in the transmittal document. In addition, the phrase "Preliminary - Not for Construction," or similar language, shall be placed on the incomplete or preliminary plan(s) in an obvious location where it can readily be found, easily read, and not obscured by other markings, as a disclosure to others that the design report, plans and specifications are incomplete or preliminary. When the design report, plans and specifications are completed, the phrase "Preliminary - Not for Construction" or similar language shall be removed and the design report, plans and specifications shall thereupon be sealed.

(E) The Consultant shall cooperate fully with the Sponsor’s activities on adjacent projects as may be directed by the Sponsor. This shall include attendance at meetings, discussions, and hearings as requested by the Sponsor. The minimum number and location of meetings shall be defined in Exhibit II.

(F) In the event any lawsuit or court proceeding of any kind is brought against the Sponsor, arising out of or relating to the Consultant's activities or services performed under this Agreement or any project of construction undertaken employing the deliverables provided by the Consultant in performing this Agreement, the Consultant shall have the affirmative duty to assist the Sponsor in preparing the Sponsor’s defense, including, but not limited to, production of documents, trials, depositions, or court testimony. Any assistance given to the Sponsor by the Consultant will be compensated at an amount or rate negotiated between the Sponsor and the Consultant as will be identified in a separate agreement between the Sponsor and the Consultant. To the extent the assistance given to the Sponsor by the Consultant was

necessary for the Sponsor to defend claims and liability due to the Consultant's negligent acts, errors, or omissions, the compensation paid by the Sponsor to the Consultant will be reimbursed to the Sponsor.

(6) NO SOLICITATION WARRANTY: The Consultant warrants that it has not employed or retained any company or person, other than a bona fide employee working for the Consultant, to solicit or secure this Agreement, and that it has not paid or agreed to pay any company or person, other than a bona fide employee, any fee, commission, percentage, brokerage fee, gifts, or any other consideration, contingent upon or resulting from the award or making of this Agreement. For breach or violation of this warranty, the Sponsor will have the right to terminate this Agreement without liability, or at its discretion, to deduct from the Agreement price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gifts, or contingent fee, plus costs of collection including reasonable attorney's fees.

(7) SUBCONSULTANTS:

(A) The Consultant agrees that except for those firms and for those services listed below, there shall be no transfer of engineering services performed under this Agreement without the written consent of the Sponsor. Subletting, assignment, or transfer of the services or any part thereof to any other corporation, partnership, or individual is expressly prohibited. Any violation of this clause will be deemed cause for termination of this Agreement.

EXCEPTIONS (subconsultant information):

FIRM NAME	COMPLETE ADDRESS	NATURE OF SERVICES
Allgeier Martin and Associates	7231 East 24th Street Joplin, MO 64804	Survey
Palmerton and Parrish	4168 W. Kearney St. Springfield, MO 65803	Geotechnical
Archaeological Research Center of St. Louis, Inc.	2812 Woodson Road St. Louis, MO 63114	Archaeological testing

(B) The Consultant agrees, and shall require the selected subconsultants, to maintain books, documents, papers, accounting records, and other evidence pertaining to direct costs and expenses incurred under the Agreement and to make such materials available at their offices at reasonable times during the Agreement period and for three (3) years from the date of final payment under the Agreement, for inspection by the Sponsor or any authorized representative of MoDOT, and copies thereof shall be furnished.

(C) Unless waived or modified by the Sponsor, the Consultant agrees to require, and shall provide evidence to the Sponsor, that those subconsultants shall maintain commercial general liability, automobile liability, and worker's compensation and employer's liability insurance, for not less than the period of services under such subconsultant agreements, and in not less than the following amounts:

1. Commercial General Liability: $500,000.00 per claim up to $3,000,000.00 per occurrence;

2. Automobile Liability: $500,000.00 per claim up to $3,000,000.00 per occurrence;

3. Worker's Compensation in accordance with the statutory limits; and Employer's Liability: $1,000,000.00; and

(D) The subletting of the services will in no way relieve the Consultant of its primary responsibility for the quality and performance of the services to be performed hereunder and the Consultant shall assume full liability for the services performed by its subconsultants.

(E) The payment for the services of any subconsultants will be reimbursed at cost by the Sponsor in accordance with the submitted invoices for such services, as set forth in paragraph (8), entitled "Fees and Payments".

(F) The Consultant agrees that any agreement between the Consultant and any subconsultant shall be an actual cost plus fixed fee agreement if the amount of the agreement between the Consultant and subconsultant exceeds $25,000. Subconsultant agreements for amounts of $25,000 or less may be lump sum or actual cost plus fixed fee as directed by the Sponsor.

(8) FEES AND PAYMENTS:

(A) The Consultant shall not proceed with the services described herein until the Consultant receives written authorization in the form of a Notice to Proceed from the Sponsor.

(B) The amount to be paid to the Consultant by the Sponsor as full remuneration for the performance of all services called for in this Agreement will be on the following basis: labor, overhead and profit will be paid for as a lump sum cost of of **$144,379.71,** which is shown in Exhibit IV, "Derivation of Consultant Project Costs", and Exhibit V, "Engineering Basic and Special Services-Cost Breakdown" attached hereto and made a part of this Agreement. Payment under the provisions of this Agreement is limited to those costs incurred in accordance with generally accepted accounting principles to the extent they are considered necessary to the execution of the item of service.

(C) The Consultant's fee shall include the hourly salary of each

associate and employee, salary-related expenses, general overhead, and direct non-salary costs as allowed by 48 CFR Part 31, the Federal Acquisition Regulations (FAR), and 23 CFR 172, Administration of Engineering and Design Related Service Contracts. The hourly salary of each associate and employee is defined as the actual productive salaries expended to perform the services. The other billable costs for the project are defined as follows:

1. Salary-related expenses are additions to payroll cost for holidays, sick leave, vacation, group insurance, worker's compensation insurance, social security taxes (FICA), unemployment insurance, disability taxes, retirement benefits, and other related items.

2. General overhead cost additions are for administrative salaries (including non-productive salaries of associates and employees), equipment rental and maintenance, office rent and utilities, office maintenance, office supplies, insurance, taxes, professional development expenses, legal and audit fees, professional dues and licenses, use of electronic computer for accounting, and other related items.

3. Direct non-salary costs incurred in fulfilling the terms of this Agreement, such as but not limited to travel and subsistence, subcontract services, reproductions, computer charges, materials and supplies, and other related items, will be charged at actual cost without any override or additives.

4. The additions to productive salaries for Items 8(C) 1 and 2 will be established based on the latest audit.

5. The Consultant shall provide a detailed manhour/cost breakdown for each phase of the project indicating each job classification with base wage rates and the number of hours associated with each phase. The breakdown shall include work activities and be in sufficient detail to reflect the level of effort involved. This information shall be attached hereto and made a part of this Agreement as Exhibit V "Engineering Basic and Special Services -Cost Breakdown".

6. The Consultant shall provide a detailed breakdown of all subconsultant fees, including overhead and profit.

7. The Consultant shall provide a detailed breakdown of all travel expense, living expense, reproduction expense and any other expense that may be incurred throughout the project. These expenses must be project specific and not covered in or by an overhead rate.

8. The property and equipment used on this project such as automotive vehicles, survey equipment, office equipment, etc., shall be owned, rented, or leased by the Consultant, and charges will be made to the project for the use of such property at the rate established by company policies and practices. Approval of the Sponsor and MoDOT will be required prior to acquisition of reimbursable special

equipment.

(D) The Consultant shall submit an invoice for services rendered to the Sponsor not more than once every month. A progress summary indicating the current status of the services shall be submitted along with each invoice. Upon receipt of the invoice and progress summary, the Sponsor will, as soon as practical, but not later than 45 days therefrom, pay the Consultant for the services rendered, to the extent of ninety-eight percent (98%) of the amount of the lump sum fee earned plus direct costs as reflected by the estimate of the portion of the services completed as shown by the progress summary, less partial payments previously made. A late payment charge of one and one half percent (1.5%) per month shall be assessed for those invoiced amounts not paid, through no fault of the Consultant, within 45 days after the Sponsor 's receipt of the Consultant's invoice. The Sponsor will not be liable for the late payment charge on any invoice which requests payment for costs which exceed the proportion of the maximum amount payable earned as reflected by the estimate of the portion of the services completed, as shown by the progress summary. Two percent (2%) of the amount earned will be retained by the Sponsor until the design services as covered by the Agreement are completed by the Consultant and approved by the Sponsor and MoDOT. The payment will be subject to final audit of actual expenses during the period of the Agreement. Upon completion and acceptance of the services required by paragraph (2), "Scope of Services," the two percent (2%) retainage will be paid to the Consultant. In the alternative to withholding the two percent (2%) retainage as set forth above, the Sponsor may accept a letter of credit or the establishment of an escrow account, in the amount of said two percent (2%) retainage and upon such other terms and conditions as may be acceptable to the Sponsor and the Consultant. If a letter of credit or escrow account is not acceptable to the Sponsor, then the two percent (2%) retainage will control.

(9) PERIOD OF SERVICE:

(A) The services, and if more than one then each phase thereof, shall be completed in accordance with the schedule contained in Exhibit VI, "Performance Schedule," attached hereto and made a part of this Agreement. The Consultant and the Sponsor will be required to meet this schedule.

(B) The Sponsor will grant time extensions for delays due to unforeseeable causes beyond the control of and without fault or negligence of the Consultant. Requests for extensions of time shall be made in writing by the Consultant, before that phase of work is scheduled to be completed, stating fully the events giving rise to the request and justification for the time extension requested. Such extension of time shall be the sole allowable compensation for all such delays. The Consultant may also receive an equitable adjustment in the maximum amount payable, provided the consultant can document the additional cost resulting from the delay. Any extensions or additional costs shall be subject to MoDOT approval.

(C) The Consultant and Sponsor agree that time is of the essence, and

the Consultant and Sponsor will be required to meet the schedules in this Agreement. In the event of delays due to unforeseeable causes beyond the control of and without fault or negligence of the Consultant, no claim for damage shall be made by either party. The anticipated date of completion of the work, including review time, is stated in Exhibit VI of this Agreement. An extension of time shall be the sole allowable compensation for any such delays. The Consultant may also receive an equitable adjustment in the maximum amount payable, provided the consultant can document the additional cost resulting from the delay. Any extensions or additional costs shall be subject to MoDOT approval.

(D) As used in this provision, the term "delays due to unforeseeable causes" includes the following:

1. War or acts of war, declared or undeclared;

2. Flooding, earthquake, or other major natural disaster preventing the Consultant from performing necessary services at the project site, or in the Consultant's offices, at the time such services must be performed;

3. The discovery on the project of differing site conditions, hazardous substances, or other conditions which, in the sole judgment of the Sponsor, justifies a suspension of the services or necessitates modifications of the project design or plans by the Consultant;

4. Court proceedings;

5. Changes in services or extra services.

(10) SUSPENSION OR TERMINATION OF AGREEMENT:

(A) The Sponsor may, without being in breach hereof, suspend or terminate the Consultant's services under this Agreement, or any part of them, for cause or for the convenience of the Sponsor, upon giving to the Consultant at least fifteen (15) days' prior written notice of the effective date thereof. The Consultant shall not accelerate performance of services during the fifteen (15) day period without the express written request of the Sponsor.

(B) Should the Agreement be suspended or terminated for the convenience of the Sponsor, the Sponsor will pay to the Consultant its costs as set forth in paragraph (8)(B), including a proportional amount of the lump sum fee based upon an estimated percentage of Agreement completion prior to such suspension or termination, direct costs as defined in this Agreement for services performed by the Consultant plus reasonable costs incurred by the Consultant in suspending or terminating the services. The payment will make no other allowances for damages or anticipated fees or profits. In the event of a suspension of the services, the Consultant's compensation and schedule for performance of services hereunder shall be equitably adjusted upon

resumption of performance of the services.

(C) The Consultant shall remain liable to the Sponsor for any claims or damages occasioned by any failure, default, or negligent errors and/or omission in carrying out the provisions of this Agreement during its life, including those giving rise to a termination for non-performance or breach by Consultant. This liability shall survive and shall not be waived, or estopped by final payment under this Agreement.

(D) The Consultant shall not be liable for any errors or omissions contained in deliverables which are incomplete as a result of a suspension or termination where the Consultant is deprived of the opportunity to complete the Consultant's services.

(E) Upon the occurrence of any of the following events, the Consultant may suspend performance hereunder by giving the Sponsor 30 days advance written notice and may continue such suspension until the condition is satisfactorily remedied by the Sponsor. In the event the condition is not remedied within 120 days of the Consultant's original notice, the Consultant may terminate this agreement.

1. Receipt of written notice from the Sponsor that funds are no longer available to continue performance.

2. The Sponsor 's persistent failure to make payment to the Consultant in a timely manner.

3. Any material contract breach by the Sponsor.

(11) OWNERSHIP OF DRAWINGS AND DOCUMENTS:

(A) All drawings and documents prepared in performance of this Agreement shall be delivered to and become the property of the Sponsor upon suspension, abandonment, cancellation, termination, or completion of the Consultant's services hereunder; provided, however,

1. The Consultant shall have the right to their future use with written permission of the Sponsor;

2. The Consultant shall retain its rights in its standard drawing details, designs, specifications, CADD files, databases, computer software, and any other proprietary property; and

3. The Consultant shall retain its rights to intellectual property developed, utilized, or modified in the performance of the services subject to the following:

A. Copyrights. Sponsor, as the contracting agency,

reserves a royalty-free, nonexclusive and irrevocable license to reproduce, publish or otherwise use, and to authorize others to use, for Governmental purposes:

I. The copyright in any works developed under this agreement, or under a subgrant or contract under this agreement; and

II. Any rights of copyright to which Sponsor, its consultant or subconsultant purchases ownership with payments provided by this agreement.

B. Patents. Rights to inventions made under this agreement shall be determined in accordance with 37 C.F.R. Part 401. The standard patent rights clause at 37 C.F.R. § 401.14, as modified below, is hereby incorporated by reference.

I. The terms "to be performed by a small business firm or domestic nonprofit organization" shall be deleted from paragraph (g)(1) of the clause;

II. Paragraphs(g)(2) and (g)(3) of the clause shall be deleted; and

III. Paragraph (l) of the clause, entitled "communications" shall read as follows: "(l) Communications. All notifications required by this clause shall be submitted to the Sponsor ".

IV. The following terms in 37 C.F.R. 401.14 shall for the purpose of this Agreement have the following meaning:

Contractor - Consultant

Government and Federal Agency - Sponsor

Subcontractor - Subconsultant

4. Basic survey notes, design computations, and other data prepared under this Agreement shall be made available for use by the Sponsor without further compensation and without restriction or limitation on their use.

(B). Electronically Produced Documents:

1. Electronically produced documents will be submitted to the Sponsor in data files compatible with Microstation (specify CADD version). The Consultant makes no warranty as to the compatibility of the data files beyond the above specified release or version of the stated software.

2. Because data stored on electronic media can deteriorate undetected or be modified without the Consultant's knowledge, the electronic data files submitted to the Sponsor will have an acceptance period of 60 days after receipt by the Sponsor. If during that period the Sponsor finds any errors or omissions in the files, the Consultant will correct the errors or omissions as a part of this Agreement. The Consultant will not be responsible for maintaining copies of the submitted electronic data files after the acceptance period.

3. Any changes requested after the acceptance period will be considered additional services for which the Consultant shall be reimbursed at the hourly rates established herein plus the cost of materials.

4. The data on the electronic media shall not be considered the Consultant's instrument of service. Only the submitted hard copy documents with the Consultant Engineer's seal on them will be considered the instrument of service. The Consultant's nameplate shall be removed from all electronic media provided to the Sponsor.

(C) The Sponsor may incorporate any portion of the deliverables into a project other than that for which they were performed, without further compensation to the Consultant; provided however, that (1) such deliverables shall thereupon be deemed to be the work product of the Sponsor and the Sponsor shall use same at its sole risk and expense; and (2) the Sponsor shall remove the Consultant's name, seal, endorsement, and all other indices of authorship from the deliverables.

(12) DECISIONS UNDER THIS AGREEMENT AND DISPUTES:

(A) The Sponsor will determine the acceptability of the drawings, specifications, and estimates and all other deliverables to be furnished, and will decide the questions that may arise relative to the proper performance of this Agreement. The determination of acceptable deliverables may occur following final payment, and as late as during the construction of the project which decisions shall be conclusive, binding and incontestable, if not arbitrary, capricious or the result of fraud.

(B) The Sponsor will decide all questions which may arise as to the quality, quantity, and acceptability of services performed by Consultant and as to the rate of progress of the services; all questions which may arise as to the interpretation of the plans and specifications; all questions as to the acceptable fulfillment of the Agreement on the part of the Consultant; the proper compensation for performance or breach of the Agreement; and all claims of any character whatsoever in connection with or growing out of the services of the Consultant, whether claims under this Agreement or otherwise. The Sponsor 's decisions shall be conclusive, binding and incontestable if not arbitrary, capricious or the result of fraud.

(C) If the Consultant has a claim for payment against the Sponsor which in any way arises out of the provisions of this Agreement or the performance or

non-performance hereunder, written notice of such claim must be made in triplicate within sixty (60) days of the Consultant's receipt of payment for the retained percentage. Notwithstanding paragraph 20 of this Agreement, the notice of claim shall be personally delivered or sent by certified mail to the Sponsor. The notice of claim shall contain an itemized statement showing completely and fully the items and amounts forming the basis of the claim and the factual and legal basis of the claim.

(D) Any claim for payment or an item of any such claim not included in the notice of claim and itemized statement, or any such claim not filed within the time provided by this provision shall be forever waived, and shall neither constitute the basis of nor be included in any legal action, counterclaim, set-off, or arbitration against the Sponsor.

(E) The claims procedure in paragraphs 12 (C) and (D) do not apply to any claims of the Sponsor against the Consultant. Further, any claims of the Sponsor against the Consultant under this Agreement are not waived or stopped by the claims procedure in paragraphs 12 (C) and (D).

(F) Not withstanding paragraphs (A) through (E) above, in the event of any material dispute hereunder, both parties agree to pursue, diligently and in good faith, a mutually acceptable resolution.

(13) SUCCESSORS AND ASSIGNS: The Sponsor and the Consultant agree that this Agreement and all agreements entered into under the provisions of this Agreement shall be binding upon the parties hereto and their successors and assigns.

(14) INDEMNIFICATION RESPONSIBILITY:

(A) The Consultant agrees to save harmless the Sponsor and MoDOT from all liability, losses, damages, and judgments for bodily injury, including death, and property damage to the extent due to the Consultant's negligent acts, errors, or omissions in the services performed or to be performed under this Agreement, including those negligent acts, errors, or omissions of the Consultant's employees, agents, and subconsultants.

(B) The Consultant shall be responsible for the direct damages incurred by the Sponsor as result of the negligent acts, errors, or omissions of the Consultant or anyone for whom the Consultant is legally responsible, and for any losses or costs to repair or remedy construction as a result of such negligent acts, errors or omissions; provided, however, the Consultant shall not be liable to the Sponsor for such losses, costs, repairs and/or remedies which constitute betterment of or an addition of value to the construction or the project.

(C) Neither the Sponsor 's review, approval or acceptance of, or payment for, any services required under this Agreement, nor the termination of this Agreement prior to its completion, will be construed to operate as a waiver of any right

under this Agreement or any cause of action arising out of the performance of this Agreement. This indemnification responsibility survives the completion of this Agreement, as well as the construction of the project at some later date, and remains as long as the construction contractor may file or has pending a claim or lawsuit against the Sponsor on this project arising out of the Consultant's services hereunder.

(15) INSURANCE:

(A) The Consultant shall maintain commercial general liability, automobile liability, and worker's compensation and employer's liability insurance in full force and effect to protect the Consultant from claims under Worker's Compensation Acts, claims for damages for personal injury or death, and for damages to property arising from the negligent acts, errors, or omissions of the Consultant and its employees, agents, and subconsultants in the performance of the services covered by this Agreement, including, without limitation, risks insured against in commercial general liability policies.

(B) The Consultant shall also maintain professional liability insurance to protect the Consultant against the negligent acts, errors, or omissions of the Consultant and those for whom it is legally responsible, arising out of the performance of professional services under this Agreement.

(C) The Consultant's insurance coverages shall be for not less than the following limits of liability:

1. Commercial General Liability: $500,000.00 per claim up to $3,000,000.00 per occurrence;

2. Automobile Liability: $500,000.00 per claim up to $3,000,000.00 per occurrence;

3. Worker's Compensation in accordance with the statutory limits; and Employer's Liability: $1,000,000.00; and

4. Professional ("Errors and Omissions") Liability: $1,000,000.00, each claim and in the annual aggregate.

(D) The Consultant shall, upon request at any time, provide the Sponsor with certificates of insurance evidencing the Consultant's commercial general or professional liability ("Errors and Omissions") policies and evidencing that they and all other required insurance is in effect, as to the services under this Agreement.

(E) Any insurance policy required as specified in paragraph (15) shall be written by a company, which is incorporated in the United States of America or is based in the United States of America. Each insurance policy must be issued by a company authorized to issue such insurance in the State of Missouri.

(16) CONSTRUCTION PHASE OF THE PROJECT:

(A) This Agreement does not include construction phase services. Review of shop drawings and other construction phase services can be added by supplemental agreement after design has been completed and the construction contract period has been determined.

(B) Because the Consultant has no control over the cost of labor, materials, equipment, or services furnished by others, or over the construction contractor(s)' methods of determining prices, or over competitive bidding or market conditions, any of the Consultant's opinions of probable project costs and/or construction cost, if provided for herein, are to be made on the basis of the Consultant's experience and qualifications and represent the Consultant's best judgment as an experienced and qualified design professional, familiar with the construction industry, but the Consultant cannot and does not guarantee that proposals, bids, or actual total project costs and/or construction costs will not vary from opinions of probable costs prepared by the Consultant.

(C) The Consultant shall not have control over or charge of and shall not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the construction work, since these are solely the construction contractor(s)' responsibility under the construction contract(s). The Consultant shall not be responsible for the construction contractor(s)' schedules or failure to carry out the construction work in accordance with the construction contract(s). The Consultant shall not have control over or charge of acts of omissions of the construction contractor(s), or any of its or their subcontractors, agents, or employees, or of any other persons performing portions of the construction work.

(17) MISSOURI NONDISCRIMINATION CLAUSE: The Consultant shall comply with all the provisions of Executive Order No. 94-03, issued by the Honorable Mel Carnahan, Governor of Missouri, on the fourteenth (14th) day of January 1994, which executive order is incorporated herein by reference and is made a part of this Agreement. This Executive Order promulgates a Code of Fair Practices for the Executive Branch of Missouri Government and prohibits discrimination against recipients of services, and employees or applicants or employment of state contractors and subcontractors, on the grounds of race, color, religion, national origin, sex, age, disability, or veteran status. The Consultant shall also comply with all state and federal statutes applicable to Consultant relating to nondiscrimination, including, but not limited to, Chapter 213, RSMo; Title VI and Title VII of the Civil Rights Act of 1964 as amended (42 U.S.C. Sections 2000d and 2000e, *et seq*.); and with any provision of the "Americans with Disabilities Act" (42 U.S.C. Section 12101, *et seq*.).

(18) ACTIONS: No action may be brought by either party hereto concerning any matter, thing, or dispute arising out of or relating to the terms, performance, non-

performance, or otherwise of this Agreement except in the Circuit Court of Jasper County, Missouri. The parties agree that this Agreement is entered into at Joplin, Missouri and substantial elements of its performance will take place or be delivered at Joplin, Missouri, by reason of which the Consultant consents to venue of any action against it in Jasper County, Missouri. The Consultant shall cause this provision to be incorporated into all of its agreements with, and to be binding upon, all subconsultants of the Consultant in the performance of this Agreement.

(19) AUDIT OF RECORDS: For purpose of an audit, the Consultant shall maintain all those records relating to direct costs and expenses incurred under this Agreement, including but not limited to invoices, payrolls, bills, receipts, etc. These records must be available at all reasonable times to the Sponsor and MoDOT, at the Consultant's offices, at no charge, during the Agreement period and any extension thereof, and for the three (3) year period following the date of final payment made under this Agreement. If the Sponsor has notice of a potential claim against the Consultant and/or the Sponsor based on the Consultant's services under this Agreement, the Consultant, upon written request of the Sponsor, shall retain and preserve its records until the Sponsor has advised the Consultant in writing that the disputed claim is resolved.

(20) NOTICE TO THE PARTIES: All notices or communications required by this Agreement shall be made in writing, and shall be effective upon receipt by the Sponsor or the Consultant at their respective addresses of record. Letters or other documents which are prepared in 8.5 x 11 inch format may be delivered by telefax, provided that an original is received at the same address as that to which that telefax message was sent, within three (3) business days of the telefax transmission. Either party may change its address of record by written notice to the other party.

(A) Notice to the Sponsor: Notices to the Sponsor shall be addressed and delivered to the following Sponsor's representative, who is hereby designated by the Sponsor as its primary authorized representative for administration, interpretation, review, and enforcement of this Agreement and the services of the Consultant hereunder:

NAME AND TITLE OF SPONSOR'S REPRESENTATIVE	Steve Stockam		
SPONSOR'S NAME	City of Joplin		
SPONSOR'S ADDRESS	602 South Main Str. Joplin, MO. 64801		
PHONE	(417) 623-0262	FAX	
E-MAIL ADDRESS	SStockam@joplinmo.org		

The Sponsor reserves the right to substitute another person for the individual named at any time, and to designate one or more other representatives to have authority to act upon its behalf generally or in limited capacities, as the Sponsor may now or hereafter

deem appropriate. Such substitution or designations shall be made by the Sponsor in a written notice to the Consultant.

(B) Notice to the Consultant: Notices to Consultant shall be addressed and delivered to Consultant's representative, as follows:

NAME AND TITLE OF CONSULTANT'S REPRESENTATIVE	Tom Morris		
CONSULTANT'S NAME	Crawford, Murphy & Tilly, Inc.		
CONSULTANT'S ADDRESS	One Memorial Drive, Suite 500 St. Louis, MO 63304		
PHONE	314-436-5500	FAX	314-426-0723
E-MAIL ADDRESS	tmorris@cmtengr.com		

The Consultant reserves the right to substitute another person for the individual named at any time, and to designate one or more other representatives to have authority to act upon its behalf generally or in limited capacities, as the Consultant may now or hereafter deem appropriate. Such substitutions or designations shall be made by the Consultant's president or chief executive officer in a written notice to the Sponsor.

(21) LAW OF MISSOURI TO GOVERN: This Agreement shall be construed according to the laws of the State of Missouri. The Consultant shall comply with all local, state, and federal laws and regulations which govern the performance of this Agreement.

(22) CONFIDENTIALITY: The Consultant agrees that the Consultant's services under this Agreement is a confidential matter between the Consultant and the Sponsor. The Consultant shall not disclose any aspect of the Consultant's services under this Agreement to any other person, corporation, governmental entity, or news media, excepting only to such employees, subconsultants, and agents as may be necessary to allow them to perform services for the Consultant in the furtherance of this Agreement, without the prior approval of the Sponsor; provided, however, that any confidentiality and non-disclosure requirements set out herein shall not apply to any of the Consultant's services or to any information which (1) is already in the public domain or is already in the Consultant's possession at the time the Consultant performs the services or comes into possession of the information, (2) is received from a third party without any confidentiality obligations, or (3) is required to be disclosed by governmental or judicial order. Any disclosure pursuant to a request to the Sponsor under Chapter 610, RSMo, shall not constitute a breach of this Agreement. The content and extent of any authorized disclosure shall be coordinated fully with and under the direction of the Sponsor, in advance.

(23) SOLE BENEFICIARY: This Agreement is made for the sole benefit of the parties hereto and nothing in this Agreement shall be construed to give any rights or benefits to anyone other than the Sponsor and the Consultant.

(24) SEVERABILITY AND SURVIVAL:

(A) Any provision or part of this Agreement held to be void or unenforceable under any law or regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon the Sponsor and the Consultant.

(B) All express representations, indemnifications, or limitations of liability made or given in this Agreement will survive the completion of all services by the Consultant under this Agreement or the termination of this Agreement for any reason.

(25) PAYMENT BOND: In the event a subconsultant is used for any services under this Agreement, Consultant shall provide a payment bond under Section 107.170 RSMo. Supp., as amended, for any services which are printing, aircraft, archaeology, surveying, hazardous waste or geotechnical including but not limited to the collection of soil samples. Any payment bond must be acceptable to the Sponsor and must be provided prior to the performance of service. The cost for the payment bond must have been included in the fee of the Consultant under this Agreement.

A payment bond shall not be required for subconsultant services for which the aggregate costs are $25,000 or less or when the subconsultant is an engineering firm that is performing non-engineering services per current MoDOT policy.

(26) ATTACHMENTS: The following Exhibits and other documents are attached to and made a part of this Agreement:

(A) Exhibit I: Project Description.

(B) Exhibit II: Scope of Services.

(C) Exhibit IIA: Current FAA Advisory Circulars, Standards, Guidance and MoDOT Standards

(D) Exhibit III: Services Provided by the Sponsor.

(E) Exhibit IV: Derivation of Consultant Project Costs.

(F) Exhibit V: Engineering Basic and Special Services - Cost Breakdown.

(G) Exhibit VI: Performance Schedule

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their respective proper officials.

Executed by the Consultant the _____ day of _____, 20____.

Executed by the Sponsor the _____ day of _____, 20____.

Sponsor: City of Joplin	Consultant: Crawford, Murphy & Tilly, Inc.
By: _____ Signature	By: _____ Signature
Title:	Title: CEO, CMT, Inc.
ATTEST:	ATTEST:
By: _____ Signature	By: _____ Signature
Title: _____	Title: _____

EXHIBIT I

PROJECT DESCRIPTION

1. Design a new GA entrance road and associated Hangar pavements. The project will include:
    - A new GA entrance road
    - Perform a Traffic Impact study
    - Perform Phase II Archeological testing of the site
    - Perform a geotechnical investigation
    - Perform a topographical survey

EXHIBIT II

SCOPE OF SERVICES

The Consultant, in consideration of the payment on the part of the Sponsor, agrees to perform the engineering services enumerated as follows:

This Scope of Services to be performed shall consist of the following items of work. The Consultant will perform a topographical survey and geotechnical investigation required for project design and produce engineer's design report, Phase II archaeological testing of the site, development of a storm water detention plan for the site, construction plans, construction documents/technical specifications, tabulation of construction quantities and engineer's opinion of probable construction costs. The Consultant will assist the Sponsor with the preparation of any addenda during the bidding process and will conduct the prebid meeting. All services will be performed in accordance with all applicable federal, state and local laws, ordinances, regulations and codes, together with good engineering practice and applicable FAA advisory circulars (AC's), standards, guidance and/or agency orders and MoDOT requirements and changes/revisions current at the time of execution of this Agreement including but not limited to those listed on attached EXHIBIT IIA. The improvements that are being designed on the project shall be consistent with a current and approved Airport Layout Plan.

The Consultant shall not proceed with services herein until a notice-to-proceed is received from the Sponsor unless otherwise requested by the Sponsor.

The following is a detailed description of the specific services that are required by this Agreement.

BASIC SERVICES

1. Preliminary

    a. Perform site inspections and attend scoping meeting with Sponsor for project formulation.

    b. Develop preliminary engineer's opinion of probable construction cost and project budget.

2. Design Phase

    a. Prepare preliminary design report (bound). As a minimum, the design report will include:

        - Description of work (including AIP participation limits).
        - Listing of applicable design standards and Advisory Standards.
        - Design Considerations for airport Operational Safety.
        - Summary of the design computations.
        - Justification for selection of design materials.
        - Life Cycle analysis (if applicable) and recommendations.

- Identification of modifications to FAA and MoDOT standards along with the reason(s) and justifications for the modifications.
- Summary of preliminary project budget including an engineer's opinion of probable construction cost.

Other items for possible inclusion are as follows but not limited to:

- Predesign meeting minutes.
- Site Conditions including photographs. Pavement design calculations and proposed typical sections.
- Geotechnical investigation and laboratory test results.
- Analysis of alternatives (life cycle) and recommendations.
- Drainage analysis/calculations.
- Pavement marking analysis.
- Seeding/top soiling considerations.
- Analysis of Part 77 obstruction criteria as applied to this site.
- Utility Evaluation.
- A list of any proposed modifications to design/construction standards and other FAA and MoDOT standards along with the reason(s) and justifications for the modifications.
- An engineer's opinion of probable construction cost.
- Miscellaneous work items.
- Summary of recommendations.

b. Prepare construction plans and contract documents/technical specifications in accordance with current MoDOT and FAA standards, and other criteria.

1) Prepare construction plans:

The construction plans will be incorporated into the Contract Documents/Technical Specifications and delineate the improvements in the project. The construction plans will generally include the following:

- Title sheet with project name/description, location map, index of sheets and runway data table.
- General airport layout plan with safety/construction phasing plan.
- General notes and summary of quantities (separate MoDOT and FAA specification items).
- Demolition and clearing/grubbing plan.
- Typical pavement sections.
- General site grading plan/specific grading and surface drainage plans
- Roadway plans and grades
- Temporary erosion control plan and details
- Drainage details.
- Marking plans and details.
- Miscellaneous ancillary details.

2) Prepare Contract Documents/Technical Specifications.

3) Revise plan quantities, preliminary engineers' opinion of probable construction cost and project budget.

4) Submit Construction Plans, Contract Documents/Technical Specifications, engineer's opinion of probable construction costs and project budget to the Sponsor and MoDOT for review and comments. The Sponsor will be provided with two (2) copies and MoDOT one (1) copy.

5) Finalize Construction Plans and Contract Documents/Technical Specifications with consideration of preliminary review comments from the Sponsor and MoDOT.

6) Submit a final Design Report (1 copy), final sealed set of Construction Plans and Contract Documents/Technical Specifications (2 copies), Engineer's Opinion of Probable Construction Cost and Project Budget to the Sponsor and MoDOT.

3. Bidding Phase

a. Assist the Sponsor with advertisement for bids and send "Notice to Bidders" to prospective contractors. (Sponsor shall place advertisements in appropriate media.)

b. Print and distribute Construction Plans and Contract Documents/Technical Specifications to plan holding houses and prospective Bidders.

c. Answer questions, clarify points, and issue addenda as necessary pertaining to the Construction Plans and Contract Documents/Technical Specifications during the bidding phase.

d. Attend and conduct the pre-bid meeting and record minutes.

e. Tabulate and analyze bid results, review contractor's qualifications, and make recommendation of contract award to Sponsor.

CONSTRUCTION SERVICES

These services can be added by Supplemental Agreement per Section (16) of this Agreement.

EXHIBIT IIA
FAA Advisory Circulars, Standards, Guidance and Commission Standards
Revision 01/01/11

Sponsor is responsible to check the FAA website for the most current Advisory Circulars, and AIP sponsor guides at the time of execution of the project consultant agreement. They are available on the FAA Central Region website at: the following address: http://www.faa.gov/airports/resources/advisory_circulars/.

NUMBER	TITLE
70/7460-1K	Obstruction Marking and Lighting
150/5070-6B Change 1	Airport Master Plans
150/5200-28D	Notices to Airmen (NOTAMS) for Airport Operators
150/5200-32A	Reporting Wildlife Aircraft Strikes
150/5200-33B	Hazardous Wildlife Attractants on or Near Airports
150/5200-34A	Construction or Establishment of Landfills Near Public Airports
150/5200-36	Qualifications for Wildlife Biologist Conducting Wildlife Hazard Assessments and Training Curriculums for Airport Personnel Involved in Controlling Wildlife Hazards on Airports
150/5210-5D	Painting, Marking and Lighting of Vehicles Used on an Airport
150/5210-20 Change 1	Ground Vehicle Operations on Airports
150/5210-24	Airport Foreign Object debris (FOD) Management
150/5220-16C	Automated Weather Observing Systems (AWOS) for Non Federal Applications
150/5220-20 Change 1	Airport Snow and Ice Control Equipment
150/5220-23	Frangible Connections
150/5300-13 Changes 1-15	Airport Design
150/5300-16A	General Guidance and Specifications for Aeronautical Surveys: Establishment of Geodetic Control and Submission to the National Geodetic Survey
150/5300-17B	General Guidance and Specifications for Aeronautical Survey Airport Imagery Acquisition and Submission to the National Geodetic Survey
150/5300-18B	General Guidance and Specifications for Submission of Aeronautical Surveys to NGS: Field Data Collection and geographic Information System (GIS) Standards

150/5320-5C Change 1	Surface Drainage Design
150/5320-6E	Airport Pavement Design and Evaluation
150/5320-12C Changes 1-8	Measurement, Construction, and Maintenance of Skid Resistant Airport Pavement Surfaces
150/5320-17	Airfield Pavement Surface Evaluation and rating (PASER) Manuals
150/5325-4B	Runway Length Requirements for Airport Design
150/5335-5A	Standardized Method of Reporting Airport Pavement Strength PCN
150/5340-1K	Standards for Airport Markings
150/5340-5C	Segmented Circle Airport Marker System
150/5340-18F	Standards for Airport Sign Systems
159/5340-26B	Maintenance of Airport Visual Aid Facilities
150/5340-30E	Design and Installation Details for Airport Visual Aids
150/5345-3G	Specification for L-821 Panels for Control to Airport Lighting
150/5345-5B	Specifications for Airport Lighting Circuit Selector Switch
150/5345-7E	Specification for L-824 Underground Electrical Cable for Airport Lighting Circuits
150/5345-10G	Specification for Constant Current Regulators Regulator Monitors
150/5345-12F	Specification for Airport and Heliport Beacon
150/5345-13B	Specification for L-841 Auxiliary Relay Cabinet Assembly for Pilot Control of Airport Lighting Circuits
150/5345-26D	Specification for L-823, Plug and Receptacle, Cable Connectors
150/5345-27D	Specification for Wind Cone Assemblies
150/5345-28F	Precision Approach Path Indicator Systems (PAPI)
150/5345-39C	Specification for L-853, Runway and Taxiway Retroreflective Markers
150/5345-42F	Specification for Airport Light Bases, Transformer Housings, Junction Boxes and Accessories
150/5345-43F	Specification for Obstruction Lighting Equipment
150/5345-44J	Specification for Taxiway and Runway Signs
150/5345-45C	Low-Impact Resistant (LIR) Structures
150/5345-46D	Specification for Runway and Taxiway Light Fixtures
150/5345-47B	Isolation Transformers for Airport Lighting Systems

150/5345-49C	Specification L-854, Radio Control Equipment
150/5345-50B	Specification for Portable Runway and Taxiway Lights
150/5345-51B	Specification for Discharge-Type Flasher Equipment
150/5345-52A	Generic Visual Glideslope Indicators (GVGI)
150/5345-53C	Airport Lighting Equipment Certification Program
150/5345-54B	Specification for L-884, Power and Control Unit for Land and Hold Short Lighting Systems
150/5345-55A	Specification for L-893, Lighted Visual Aid to Indicate Temporary Runway Closure
150/5345-56A	Specification for L-890, Airport Lighting Control and Monitoring System
150/5360-12E	Airport Signing & Graphics
150/5370-2E	Operational Safety on Airports During Construction
150/5370-6D	Construction Progress and Inspection Report--Airport Improvement Program
150/5370-10E	Standards for Specifying Construction of Airports
150/5370-11A	Use of Nondestructive Testing Devices in the Evaluation of Airport Pavements
150/5370-12A	Quality Control of Construction for Airport Grant Projects
150/5370-13A	Offpeak Construction of Airport Pavements Using Hot-Mix Asphalt
150/5370-14A	Hot Mix Paving Handbook
150/5370-16	Rapid Construction of Rigid (Portland Cement Concrete) Airfield Pavements
150/5380-6B	Guidelines and Procedures for Maintenance of Airport Pavements
150/5380-7A	Airport Pavement Management Program
150/5380-8A	Handbook for Identification of Alkali-Silica Reactivity in Airport Pavements
150/5380-9	Guidelines and Procedures for Measuring Airfield Pavement Roughness
150/5390-2B	Heliport Design
FAA	910 - Predesign Conference
FAA	920 – Engineer’s Report (& Pavement Design)
FAA	950 - Sponsor Modifications of FAA Standards
FAA	960 - Safety Plan
FAA	1040 – Preconstruction Conference
FAA	1100 - Runway Commissioning

EXHIBIT III

SERVICES PROVIDED BY THE SPONSOR

The Sponsor, as a part of this Agreement, shall provide the following:

1. Assist the Consultant in arranging to enter upon public and private property as required for the Consultant to perform his services.

2. Obtain approvals and permits from all governmental entities having jurisdiction over the project and such approvals and consents from others as may be necessary for completion of the project.

3. Prompt written notice to the Consultant whenever the Sponsor observes or knows of any development that affects the scope or timing of the Consultant's services.

4. One (1) copy of existing plans, standard drawings, bid item numbers, reports or other data the Sponsor may have on file with regard to this project.

5. All payments to landowners or tenants associated with the acquisition of the required property rights prior to or concurrent with closing.

6. All staff, procedures and activities related to acquiring the property , including but not limited to appraisals, reviews, negotiations, relocation assistance and eminent domain.

7. Pay all publishing cost for advertisements of notices, public hearings, request for proposals and other similar items. The Sponsor shall pay for all permits and licenses that may be required by local, state or federal authorities, and shall secure the necessary land easements and/or rights-of-way required for the project.

8. Issue Notice to Airmen (NOTAM's) through the applicable FAA Flight Service Station.

9. Guidance for assembling bid package to meet Sponsor’s bid letting requirements.

10. Designate contact person (see paragraph 20-A).

11. Pay costs for title searches.

EXHIBIT IV

DERIVATION OF CONSULTANT PROJECT COSTS

EXHIBIT V

ENGINEERING BASIC AND SPECIAL SERVICES-COST BREAKDOWN

EXHIBIT IV

DERIVATION OF CONSULTANT PROJECT COSTS

JOPLIN REGIONAL AIRPORT

CITY OF JOPLIN, MISSOURI

CONSTRUCT ENTRANCE DRIVE AND AIRFIELD PAVEMENTS

SUMMARY OF COSTS

February 8, 2019

Basic Services	Fee	Hours
Preliminary Phase	$6,616.93	46
Design Phase	$118,741.17	838
Bidding Phase	$8,975.52	62
Special Services	$10,046.09	79
Total	**$144,379.72**	**1,025**

EXHIBIT IV

DERIVATION OF CONSULTANT PROJECT COSTS

JOPLIN REGIONAL AIRPORT
CITY OF JOPLIN, MISSOURI
CONSTRUCT ENTRANCE DRIVE AND AIRFIELD PAVEMENTS
PRELIMINARY, DESIGN, BIDDING AND SPECIAL PHASE SERVICES
February 8, 2019

1 DIRECT SALARY COSTS:

TITLE	HOURS	RATE/HOUR	COST ($)
Principal	0	81.46	$0.00
Senior Project Engineer	2	61.92	$123.84
Project Manager	175	49.95	$8,741.25
Senior Engineer	450	39.39	$17,725.50
Engineer	242	30.56	$7,395.52
Senior Planner	0	38.04	$0.00
Planner	0	26.66	$0.00
Registered Land Surveyor	0	42.83	$0.00
Senior Technician	0	37.45	$0.00
Technician	148	28.80	$4,262.40
Clerk/Secretary	8	23.43	$187.44
	1,025		

Total Direct Salary Costs = $38,435.95

2 LABOR AND GENERAL ADMINISTRATIVE OVERHEAD:

2a Percentage of Direct Salary Costs @ 173.62 % = $66,732.50
2b FCCM Rate (Optional) @ 0.47 % = $180.65

3 SUBTOTAL:
Items 1 and 2 = $105,168.45

4 PROFIT:
15 % of Item 3 Subtotal = $15,775.27

= Subtotal $120,943.71 Lump Sum

5 OUT-OF-POCKET EXPENSES:

a. Mileage	1200	Miles @	$0.57	/ Mile =	$684.00	
b. Meals	2	Days @	$32.00	/ Day =	$64.00	
c. Motel	0	Nights @	$95.00	/ Night =	$0.00	
d. Survey Vehicle (ILO Mil	0	Days @	$100.00	/ Day =	$0.00	
e. Shipping				=	$200.00	
e. Printing					$500.00	

Total Out-of-Pocket Expenses = $1,448.00

6 SUBCONTRACT COSTS:

a. Geotechnical	=	$5,850.00
b. Survey	=	$7,500.00
c. Archaeological	=	$8,638.00

= $21,988.00

7 MAXIMUM TOTAL FEE:

Items 1, 2, 3, 4, 5 and 6 = $144,379.71 Lump Sum

JOPLIN REGIONAL AIRPORT
CITY OF JOPLIN, MISSOURI

BASIC AND SPECIAL SERVICES
CONSTRUCT ENTRANCE DRIVE AND AIRFIELD PAVEMENTS
February 8, 2019

Exhibit V-1

Exhibit V

Classification: / Gross Hourly Rate:		Principal $256.32	Senior Project Engineer $194.84	Project Manager $157.17	Senior Engineer $123.95	Engineer $96.16	Senior Planner $119.70	Planner $83.89	Registered Land Surveyor $134.77	Senior Technician $117.84	Technician $90.62	Clerk/ Secretary $73.73	Other Costs
A. BASIC SERVICES													
1. Preliminary Phase:													
Perform preliminary site inspection and attend scoping meeting				12	12								
Formulate project scope of work				8	4								
Develop preliminary opinion of probable costs					6	4							
Total hours =	46	0	0	20	22	4	0	0	0	0	0	0	(1,2,3,4,5)
Total =	$6,616.93	$0.00	$0.00	$3,143.48	$2,726.81	$384.64	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$362.00
2. Design Phase:													
Project Management (status reports, project coordination, invoicing)				6	6								
Prepare request for proposal and subagreement for geotechnical					4								
Coordinate survey and geotechnical work					8								
Review geotechnical report				2	4								
Perform site visit					14								
Pavement design, including LCCA				4	12								
Prepare preliminary design report & updated opinion of probable costs				4	24	8							
Prepare SWPPP and application for land disturbance permit				2	6								
Prepare documents for MoDOT entrance approval				40									
Cover Sheet/Title Block/Location Map					6								
Index, Legends, Sum of Quantities Sheets					6	6							
CSPP Notes				4	6								
7460/CAP Submittal					4	4							
Construction Phasing Plans				2	8	16					24		
Demolition plan					4	4					8		
Proposed improvements plan				2	6	8							
Typical/Transition sections				2	8	4					16		
Geometric Layout Sheets				2	16	16					8		
Plan and profile sheets					16	24					16		
Staking plans				2	16	8							
Joint layout plans and details													
Grading plans					16	8							
Drainage plans, details and calcs including underdrains					24	16							
Erosion control plans and details					8	8							
Utility Relcoation Plan					8	16					12		
Traffic Signal Plans & Details				8	16	32					32		
Pavement marking plan and details				2	8	4							
Taxiway lighting, signage plans													
Electrical details (signs, lights, ducts, etc.)													
Cross sections						16					32		
Quantity calculations, cost estimate, and construction time calculation				2	16	16							
Internal quality control and constructability review				12									
Prepare project technical specifications				4	34							2	
Prepare front end contract documents				4	8	2						2	
Address Sponsor/MoDOT comments and seal sheets				2	12	12							
Final design report			2	4	16	6							
Total hours =	838	0	2	110	340	234	0	0	0	0	148	4	(1,2,3,4,5)
Total =	$118,741.17	$0.00	$389.68	$17,289.16	$42,141.56	$22,501.68	$0.00	$0.00	$0.00	$0.00	$13,412.20	$294.90	$22,712.00
3. Bidding Phase:													
Send plans to contractors and answer questions				12	4							4	
Conduct pre-bid meeting and send out minutes				12	12								
Addendum Issuance (if necessary)				4	4								
Assist with bid opening (do not attend)				2									
Review bids, prepare bid tab, and recommend award				4	4								
Total hours =	62	0	0	34	24	0	0	0	0	0	0	4	(1,2,3,4,5)
Total =	$8,975.52	$0.00	$0.00	$5,343.92	$2,974.70	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$294.90	$362.00
PART A SUBTOTAL =		**$134,333.63**											
B. SPECIAL SERVICES													
1. Topographical Surveys (Projects 1 Footprint):													
Initial Planning, control research, contacts, One-Call													
Set Field Control													
Field Topo													
Data Processing													
Travel to/from site													
2. Traffic Impact Study													
Data Collection & Review				0	2	4							
Forecast Traffic Volumes				0	4								
Traffic Assignment				0	4								
Trip Generation & Distribution Report				1	4								
Capacity Analysis				1	12								
Signal Warrant Analysis				0	2								
Report Preperation				4	24								
Meeting Attendance				4	4								
Review Comment Revisions				1	8								
Total hours =	79	0	0	11	64	4	0	0	0	0	0	0	(1,2,3,4,5)
Total =	$10,046.09	$0.00	$0.00	$1,728.92	$7,932.53	$384.64	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
PART B SUBTOTAL =		**$10,046.09**											
GRAND TOTAL =		**$144,379.72**											

(1) Mileage, Motel and Meals
(2) Equipment, Materials and Supplies
(3) Computer Services
(4) Vendor Services
(5) Printing and Shipping

EXHIBIT VI

PERFORMANCE SCHEDULE

The Consultant agrees to proceed with services immediately upon receipt of written Notice to Proceed (NTP) by the Sponsor and to employ such personnel as required to complete the scope of services in accordance with the following time schedule:

BASIC SERVICES

A.	Preliminary Phase		As Required
B.	Design Phase		
	2.	Submittal of Preliminary Design Report	**(30)** calendar days after receipt of NTP
	3.	Plans & Specifications	
		a. Submittal of 90% Plans and Contract Documents/Specifications for review	**(60)** calendar days after receipt of NTP
		b. Submittal of Final Design Report and Plans and Contract Documents/Specifications for bidding	**(14)** calendar days after receipt of review comments
C.	Bidding Phase		As Required