

ENGINEERING/ARCHITECTURAL SERVICES AGREEMENT

THIS AGREEMENT is made in Johnson County, Kansas, by and between the City of Overland Park, Kansas, hereinafter "City," and Affinis Corp., hereinafter "Consulting Engineer/Architect." City intends to construct an improvement project (hereinafter called the Project) in Overland Park, Kansas, described as follows:

159th Street Widening

(Quivira Road to Antioch Road)

City hereby contracts with Consulting Engineer/Architect for the furnishing of professional engineering/architectural services in connection with the Project, for the furnishing of such engineering/architectural services more particularly described herein in consideration of these premises and of the mutual covenants herein set forth. By executing this Agreement, the Consulting Engineer/Architect represents to City that Consulting Engineer/Architect is professionally qualified to do this Project and is licensed to practice engineering/architecture by all public entities having jurisdiction over Consulting Engineer/Architect and the Project.

SECTION I - DEFINITIONS

As used in this Agreement, the following terms shall have the meanings ascribed herein unless otherwise stated or reasonably required by the Agreement, and other forms of any defined words shall have a meaning parallel thereto.

"City" means the City of Overland Park, Kansas.

"Consulting Engineer/Architect" means the company or individual identified on pg. 1. Consulting Engineer/Architect shall employ for the services rendered, engineers, architects, landscape architects, and surveyors licensed by the Kansas State Board of Technical Professions.

"Construction Cost" means and includes the cost of the entire construction of the Project, including all supervision, materials, supplies, labor, tools, equipment, transportation and/or other

facilities furnished, used or consumed, without deduction on account of penalties, liquidated damages or other amounts withheld from payment to the contractor or contractors, but such cost shall not include the Consulting Engineer/Architect's fee, or other payments to the Consulting Engineer/Architect and shall not include cost of land or rights-of-way and easement acquisition.

"Contract Documents" means those documents so identified in the Agreement for Construction for this Project, including all Engineering/Architectural Documents. All terms defined in the General Conditions shall have the same meaning when used in this Agreement unless otherwise specifically stated or in the case of a conflict in which case the definition used in this Agreement shall prevail in the interpretation of this Agreement.

"Engineering/Architectural Documents" means all documents required or reasonably implied by the nature of the Project, including, but not limited to, plans, specifications, drawings, tracings, designs, calculations, sketches, models and reports.

"Engineering/Architectural Services" means the professional services, labor, materials, supplies, testing, surveying, title work, inspection, if applicable, and all other acts, duties, and services required of Consulting Engineer/Architect under this Agreement together with such other services as City may require pursuant to the terms of this Agreement.

"Project" is as above described.

"Project Manager" means the person employed by City and designated to act as the City's representative for the Project.

"Right-of-Way" and "Easements" means and includes street, highway, or road right-of-way and any other land dedicated to or otherwise subject to public use.

"Subsurface Borings and Testing" means borings, probings and subsurface explorations, laboratory tests and inspections of samples, materials and equipment; appropriate professional interpretations of all the foregoing.

"Traffic Control Plan" means a specific plan that includes but is not limited to signing; application and removal of pavement markings; construction sequencing and scheduling; methods and devices for delineation and channelization; placement and maintenance of devices; traffic regulation; and inspection.

SECTION II - COMPENSATION

Total Fee: City agrees to pay Consulting Engineer/Architect an amount not to exceed of One Million, Four hundred seventy thousand, Four hundred eighty five and no/100 dollars (\$1,470,485.00), including reimbursables. The fee is based on the performance of the scope of services outlined in this Agreement as Exhibit A, required to be completed by the dates Stipulated in Exhibit A. Payment to the Consulting Engineer/Architect shall be made monthly based upon direct payroll times a factor of 3.2, plus reimbursable expenses chargeable to the project. In addition, a contingency fee of Thirty thousand dollars (\$30,000.00) is included to cover items listed in Section II, paragraph 3. The total contract amount is One Million, Five hundred thousand, Four hundred eighty-five and no/100 (\$1,500,485.00). Payment to Consulting Engineer/Architect shall not exceed the following percentages in each phase of the Project without prior written consent of City:

Preliminary Design Phase	(56 %)
Final Design Phase	(37 %)
Bidding Phase	(1 %)
Construction Phase	(6 %)
TOTAL	100 %

2. Reimbursable Expenses: The Consulting Engineer/Architect shall be reimbursed at the actual cost for the following expenses: (a) expense of transportation in connection with the Project; (b) expenses in connection with authorized out-of-town travel; (c) long-distance communications; (d) expenses of printing and reproductions; (e) postage and facsimile transmissions; (f) expenses of renderings and models requested by City, and (g) other costs as authorized by City.

3. Additional Services: Consulting Engineer/Architect shall provide, with City's concurrence, services in addition to those listed in Section III when such services are requested or authorized in writing by City. Prior to commencing any additional services, Consulting Engineer/Architect must submit a proposal outlining the additional services to be provided, estimation of total hours, completion date, and a maximum fee based upon direct payroll times a factor of 3.2, plus direct expenses. Such services may include, but are not limited to, DMS sign design, making computations and determinations of special assessments, making special trips requested by City other than those required by Section III, preparing changes in plans ordered by City or made necessary by causes beyond the control of Consulting Engineer/Architect, providing services necessitated in the event the Engineering/Architectural Services shall be suspended or abandoned, if such suspension or abandonment is not the result of a breach of this Agreement by the Consulting Engineer/Architect, and providing any other special services not otherwise covered by this Agreement which may be requested by City. Payment to Consulting Engineer/Architect, as compensation for these services, shall be based upon direct payroll times a factor of 3.2, plus direct expenses. Reimbursable expenses incurred in conjunction with additional services shall be paid separately and those reimbursable expenses shall be paid at actual cost. Records of reimbursable expenses and expenses pertaining to additional services shall be

made available to City, if so requested.

4. Special Services: Consulting Engineer/Architect may be called on to serve as a consultant or witness in any litigation, arbitration, legal or administrative proceeding arising out of this Project. Consulting Engineer/Architect shall not be paid extra by City if its appearance is to defend its professional Engineering/Architectural Services. Consulting Engineer/Architect shall not be paid extra by City to appear at eminent domain or appraiser's hearings necessary to acquire easements and right-of-way for the Project. If Consulting Engineer/Architect is requested, in writing, by City, to appear as a general witness, it will be paid based upon direct payroll times a factor of 3.2, plus direct expenses.
5. Billing: Consulting Engineer/Architect shall bill City monthly for all completed services and reimbursable expenses. The bill submitted by Consulting Engineer/Architect shall itemize the services and reimbursable expenses for which payment is requested. City agrees to pay Consulting Engineer/Architect within thirty (30) days of approval by the Governing Body.
6. City's Right to Withhold Payment: In the event City becomes credibly informed that any representations of Consulting Engineer/Architect provided in its monthly billing, are wholly or partially inaccurate, City may withhold payment of sums then or in the future otherwise due to Consulting Engineer/Architect until the inaccuracy and the cause thereof, is corrected to City's reasonable satisfaction. In the event City questions some element of an invoice, that fact shall be made known to Consulting Engineer/Architect immediately. Consulting Engineer/Architect will help effect resolution and transmit a revised invoice, if necessary. Amounts not questioned by City shall be paid to Consulting Engineer/Architect in accordance with the contract payment procedures.
7. Progress Reports: A progress report must be submitted with each monthly pay request indicating the percentage of design tasks completed to date. This report will serve as support

for payment to Consulting Engineer/Architect.

8. Change in Scope: For substantial modifications in authorized Project scope, and/or substantial modifications of drawings and/or specifications previously accepted by City, when requested by City and through no fault of Consulting Engineer/Architect, the Consulting Engineer/Architect shall be compensated for time and expense required to incorporate such modifications based upon Consulting Engineer/Architect's direct payroll times a factor of 3.2, plus direct expenses.; provided, however, that any increase in Contract Price or Contract Time must be approved through a written Change Order. Consulting Engineer/Architect shall correct or revise any errors or deficiencies in its designs, drawings or specifications without additional compensation when due to Consulting Engineer/Architect's negligence or other actionable fault.
9. Change Orders: This Agreement may be amended to provide for additions, deletions and revisions in the Engineering/Architectural Services or to modify the terms and conditions thereof by either written amendment or by Change Order. The Contract Price and Contract Time may only be changed by a written Change Order approved by City, unless it is the result of an emergency situation in which case the Project Manager may give written approval to be followed by a written and approved Change Order. If notice of any change affecting the general scope of the Engineering/Architectural Services or provisions of this Agreement, including but not limited to, Contract Price or Contract Time, is a requirement of any insurance policy held by Consulting Engineer/Architect as a requirement of this Agreement, the giving of such notice shall be the Consulting Engineer/Architect's responsibility.

SECTION III - RESPONSIBILITIES OF CONSULTING ENGINEER/ARCHITECT

Consulting Engineer/Architect shall furnish and perform the various professional duties and

services in all phases of the Project to which this Agreement applies as herein provided and which are required for the construction of the Project which services shall include:

A. PRELIMINARY DESIGN PHASE

1. Services: The services to be provided during this phase are set out in Exhibit A attached hereto and incorporated by reference.
2. Preliminary Design Documents: Consulting Engineer/Architect shall furnish the City six (6) copies of the above preliminary design documents, unless otherwise noted in Exhibit A.
3. Preliminary Cost Estimate: Consulting Engineer/Architect shall furnish City an estimate of probable Construction Cost based on the preliminary design. Consulting Engineer/Architect's estimate of probable Construction Cost is to be made on the basis of Consulting Engineer/Architect's experience and qualifications and represent Consulting Engineer/Architect's best judgment as an experienced and qualified design professional, familiar with the construction industry.
4. Budget: Consulting Engineer/Architect shall advise City if, in its opinion, the amount budgeted for construction is not sufficient to adequately design and construct the improvement as requested.

B. FINAL DESIGN PHASE

1. Services: The services to be provided during this phase are set out in Exhibit A attached hereto and incorporated by reference.
2. Final Design Documents: Consulting Engineer/Architect shall furnish City six (6) copies, unless otherwise noted in Exhibit A, of the above final design plans and shall also prepare the necessary plans and applications for permits for submission to and approval of local, county, state and federal authorities having proper jurisdiction as

may be required for initiation, prosecution and construction of the Project.

3. Contract Documents: Consulting Engineer/Architect shall prepare for City, contract agreement forms, final design plans, general conditions and supplementary conditions, bid forms, invitations to bid and instructions to bidders and assist in the preparation of other related documents, unless such documents are provided by City.
4. Final Cost Estimate: Consulting Engineer/Architect shall furnish City an estimate of probable Construction Cost based on final design. This estimate is commonly known as the "Engineer/Architect's Estimate" and will be used as the basis for construction contract award.
5. Budget: Consulting Engineer/Architect shall advise City if, in its opinion, the amount budgeted for the Project is not sufficient to cover all Project costs, including but not limited to, construction, right-of-way and easement acquisition, inspection and testing.

C. BIDDING PHASE

1. Services: The services to be provided during this phase are set out in Exhibit A attached hereto and incorporated by reference.
2. Bids Exceeding Cost Estimate: If all bids exceed Consulting Engineer/Architect's Final Cost Estimate, Consulting Engineer/Architect, at the request of City and for no additional cost, will prepare a report for City identifying why all the bids exceed the estimate. The City has four (4) options if all bids exceed Consulting Engineer/Architect's estimate. The City may: (1) give written approval of an increase in the project cost up to a maximum of 7% of the authorized total; (2) authorize rebidding of the project; (3) terminate the project and this Agreement; or (4) cooperate in revising the Project scope or specifications, or both, as necessary to

reduce the construction cost. In the case of (4), Consulting Engineer/Architect, without additional charge to City, shall consult with City and shall revise and modify the drawings and specifications as necessary to achieve compliance with the Consulting Engineer/Architect's estimate.

D. CONSTRUCTION PHASE

1. In-house Administration and Inspection: It is understood that City will provide in-house administration and inspection of the construction Agreement; however, Consulting Engineer/Architect shall consult with and advise City, when requested.
2. Services: The services provided during this phase are set out in Exhibit A attached hereto and incorporated herein.
3. Additional Drawings: If during construction, situations arise which require additional drawings or details, Consulting Engineer/Architect agrees to provide such additional drawings or details at no cost to City when the additional drawings or details are required to correct Consulting Engineer/Architect's errors or omissions or clarify Consulting Engineer/Architect's intent in the original design and preparation of construction drawings. If such situations occur through no fault of Consulting Engineer/Architect, or are beyond his/her control, both parties agree to negotiate an equitable payment to Consulting Engineer/Architect for his/her services rendered, which shall be accomplished through a Change Order.
4. Staking: Unless otherwise provided, staking shall be included in the bid specifications to be performed by the construction contractor.
5. Notice of Defects: If, based on Consulting Engineer/Architect's involvement during the construction phase, Consulting Engineer/Architect observes or otherwise becomes aware of any defect in the work, he shall give prompt written notice to City

of such defects and their approximate location on the Project. However, Consulting Engineer/Architect 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, inspections and programs in connection with the work, since these are solely the Contractor's responsibility under the contract for construction. Consulting Engineer/Architect shall not be responsible for the Contractor's schedules or failure to carry out the work in accordance with the Contract Documents. Consulting Engineer/Architect shall not have control over or charge of acts or omissions of the Contractor, Contractor's subcontractors, or their agents or employees.

6. Shop Drawings: Consulting Engineer/Architect shall review and take appropriate action on Contractor's shop drawings and samples, and the results of tests and inspections and other data which each contractor is required to submit for the purposes of checking for compliance with the design concept and conformance with the requirements of the Contract Documents. Such review shall not extend to means, methods, sequences, techniques or procedures of construction, or to safety precautions and programs incident thereto, unless an obvious deficiency exists wherein Consulting Engineer/Architect will advise City of such defect or deficiency so the same can be prevented.
7. As Constructed Plans: The Consulting Engineer/Architect shall prepare final plan drawings which reflect change orders, minor design changes and which include changes made in the field and which are marked on the construction plan set. Because some of the data contained on the "As Constructed Plans" may be based on unverified information provided by others, the Consulting Engineer/Architect does

not warrant the accuracy of information provided by others.

E. GENERAL DUTIES AND RESPONSIBILITIES

1. Responsibilities under the General Conditions of the Contract for Construction: In addition to the responsibilities herein set forth, Consulting Engineer/Architect agrees to be responsible for those matters identified in the General Conditions as being responsibilities of the Consulting Engineer/Architect. Consulting Engineer/Architect specifically acknowledges receipt of a copy of the General Conditions and acceptance of the responsibilities as set forth therein.
2. Personnel: Consulting Engineer/Architect shall assign only qualified personnel to perform any service concerning the Project. At the time of execution of this Agreement, the parties anticipate that the following individual will perform as the principal on this Project: **John B. Thomas**. As principal on this Project, this person shall be the primary contact with the City's Project Manager and shall have authority to bind Consulting Engineer/Architect. So long as the individual named above remains actively employed or retained by Consulting Engineer/Architect, he/she shall perform the function of principal on this Project.
3. Subsurface Borings & Material Testing: If tests, additional to those provided for in Exhibit A, are required for design, Consulting Engineer/Architect shall prepare specifications for the taking of the additional borings. Such subsurface borings and testing, as defined herein, shall be provided by Consulting Engineer/Architect or its subcontractors and compensated as an Additional Service.
4. Service By and Payment to Others: Any work authorized in writing by City and performed by anyone other than Consulting Engineer/Architect or its subcontractors

in connection with the proposed Project shall be contracted for and paid for by City directly to the third party or parties. In addition to payments for professional services, this may also include necessary permits, licenses, ownership certifications, materials testing, advertising costs, and other special tests or other work required or requested by City or Consulting Engineer/Architect which is not defined within the scope of services of Consulting Engineer/Architect. Fees for such extra work shall be subject to negotiation between City and the third party. Fees shall be approved prior to the execution of any extra work. Although Consulting Engineer/Architect may assist City in procuring such services of third parties, Consulting Engineer/Architect shall in no way be liable to either City or such third parties in any manner whatsoever for such services or for payment thereof.

5. Subcontracting of Service: Consulting Engineer/Architect shall not subcontract or assign any of the Engineering/Architectural Services to be performed under this Agreement without first obtaining the written approval of City regarding the Engineering/Architectural Services to be subcontracted or assigned and the consulting firm or person proposed to accomplish the subcontracted/assigned portion of the Project. Unless otherwise stated in the written consent to an assignment, no assignment will release or discharge the assignor from any obligation under this Agreement. Any person or firm proposed for subcontracting Engineering/Architectural Services under this Agreement shall maintain throughout the duration of the Agreement, insurance as provided in Section V. D. (8) herein, and shall additionally maintain Professional Liability insurance in a minimum amount of \$1,000,000 and provide the City with certification thereof.
6. Endorsement: Consulting Engineer/Architect shall sign and seal all final plans,

specifications, estimates and engineering data furnished by him/her. Any review or approval by City of any documents prepared by the Consulting Engineer/Architect, including but not limited to the plans and specifications, shall be solely for the purpose of determining whether such documents are consistent with City's construction program and intent and shall not be construed as approval of same by City. No review of such documents shall relieve Consulting Engineer/Architect of its responsibility for the accuracy, adequacy, fitness, suitability and coordination of its work product.

7. Inspection of Documents: Consulting Engineer/Architect shall maintain all project records for inspection by City during the contract period and for three (3) years from the date of final payment.

SECTION IV - CITY OF OVERLAND PARK'S RESPONSIBILITIES

1. Communication: City shall provide to Consulting Engineer/Architect information and criteria regarding City's requirements for the Project; examine and timely respond to Consulting Engineer/Architect's submissions; and give written notice to Consulting Engineer/Architect, who shall respond promptly, whenever City observes or otherwise becomes aware of any defect in the Engineering/Architectural Services.
2. Access: City will provide access for Consulting Engineer/Architect to enter public and private property.
3. Duties: City shall furnish and perform the various duties and services in all phases of the Project which are outlined and designated in Exhibit A as City's responsibility.
4. Program and Budget: City shall provide full information, including a program which shall set forth City's objectives, schedule, constraints, budget with reasonable contingencies, and other necessary design criteria.

5. Legal, Insurance, Audit: City shall furnish all legal, accounting and insurance counseling services as may be necessary at any time for the Project. City shall furnish all bond forms required for the Project.
6. Project Representative: City shall designate a Project Manager to represent City in coordinating this Project with Consulting Engineer/Architect, with authority to transmit instructions and define policies and decisions of City.

SECTION V - GENERAL PROVISIONS

A. TERMINATION

1. Notice: City reserves the right to terminate this Agreement for either cause or for its convenience and without cause or default on the part of Consulting Engineer/Architect, by providing ten (10) days' written notice of such termination to Consulting Engineer/Architect. Upon receipt of such notice from City, Consulting Engineer/Architect shall, at City's option as contained in the notice: (1) immediately cease all Engineering/Architectural Services; or (2) meet with City and, subject to City's approval, determine what Engineering/Architectural Services shall be required of Consulting Engineer/Architect in order to bring the Project to a reasonable termination in accordance with the request of City. Consulting Engineer/Architect shall also provide to City copies of all drawings and documents completed or partially completed at the date of termination.

If City defaults on its obligation under this Agreement, Consulting Engineer/Architect is entitled to terminate this Agreement by providing ten (10) days' written notice.

2. Termination for Cause: If this Agreement is terminated for cause, after notice to Consulting Engineer/Architect, City may take over the Engineering/Architectural

Services and prosecute same to completion, by contract or otherwise, for the amount and at the expense of the Consulting Engineer/Architect, and the Consulting Engineer/Architect shall be liable to the City for any and all excess cost sustained by the City by reason of such prosecution and completion. When Consulting Engineer/Architect's services have been so terminated, such termination shall not affect any rights or remedies of the City against Consulting Engineer/Architect then existing or which may later accrue. Similarly, any retention or payment of monies due Consulting Engineer/Architect shall not release Consulting Engineer/Architect from liability.

3. Compensation for Convenience Termination: If City shall terminate for its convenience as herein provided, City shall compensate Consulting Engineer/Architect for all Engineering/Architectural Services completed to date of its receipt of the termination notice and any additional Engineering/Architectural Services requested by City to bring the Project to reasonable termination. Compensation shall not include anticipatory profit or consequential damages, neither of which will be allowed.
4. Compensation for Cause Termination: If City shall terminate for cause or default on the part of Consulting Engineer/Architect, City shall compensate Consulting Engineer/Architect for the reasonable cost of Engineering/Architectural Services completed to date of its receipt of the termination notice. Compensation shall not include anticipatory profit or consequential damages, neither of which will be allowed. City also retains all its rights and remedies against Consulting Engineer/Architect including but not limited to its rights to sue for damages, interest and attorney fees.

5. Incomplete Documents: Neither Consulting Engineer/Architect nor its subcontractors shall be responsible for errors or omissions in documents which are incomplete as a result of an early termination under this Section; Consulting Engineer/Architect having been deprived of the opportunity to complete such documents and certify them as ready for construction.

B. DISPUTE RESOLUTION

City and Consulting Engineer/Architect agree that disputes relative to the project should first be addressed by negotiations between the parties. If direct negotiations fail to resolve the dispute, the party initiating the claim that is the basis for the dispute shall be free to take such steps as it deems necessary to protect its interests; provided, however, that notwithstanding any such dispute, Consulting Engineer/Architect shall proceed with the Engineering/Architectural Services as per this Agreement as if no dispute existed, and the City shall continue to make payment for Consulting Engineer's/Architect's completed Services; and provided further that no dispute will be submitted to arbitration without both parties' express written consent.

C. OWNERSHIP OF ENGINEERING/ARCHITECTURAL DOCUMENTS

All engineering/architectural documents prepared in connection with this Project shall be the property of the Consulting Engineer/Architect, whether the Project for which they are made is executed or not, however, the Consulting Engineer/Architect will provide City a copy of all final documents, including but not limited to prints and reproductions. Reports, plans, specifications and related documents are Consulting Engineer/Architect's copyrighted instruments, and Consulting Engineer/Architect at his/her option may so identify them by appropriate markings. Provided that Consulting Engineer/Architect is paid in full for its services, then City may subsequently reuse these final documents without any additional compensation or agreement of Consulting Engineer/Architect, however, such reuse without written verification or adaptation by Consulting

Engineer/Architect for the specific purpose intended by City shall be at City's sole risk and without liability or legal exposure to Consulting Engineer/Architect whatsoever. City does not take any responsibility for the reuse of documents by others.

D. INSURANCE

1. General

The Consulting Engineer/Architect shall maintain, throughout the duration of this Contract, insurance (on an occurrence basis unless otherwise agreed to) of such types and in at least such amounts as required herein. Professional Liability may be written on a "claims made" basis. Consulting Engineer/Architect shall provide certificates of insurance and renewals thereof on forms provided by the City or on forms acceptable to the City. The City shall be notified by receipt of written notice from the insurer or the Consulting Engineer/Architect at least thirty (30) days prior to material modification or cancellation of any policy listed on the Certificate.

2. Notice of Claim Reduction of Policy Limits

The Consulting Engineer/Architect, upon receipt of notice of any claim in connection with the Contract, shall promptly notify the City, providing full details thereof, including an estimate of the amount of loss or liability.

The Consulting Engineer/Architect shall promptly notify the City of any reduction in limits of protection afforded under any policy listed in the Certificate (or otherwise required by the Contract Documents) in excess of \$10,000.00, whether or not such impairment came about as a result of this Agreement.

In the event the City shall determine that the Consulting Engineer/Architect's aggregate limits of protection shall have been impaired or reduced to such extent that the City shall determine such limits inadequate for the balance of the project, the

Consulting Engineer/Architect shall, upon notice from the City, promptly reinstate the original limits of liability required hereunder and shall furnish evidence thereof to the City.

3. Commercial General Liability

Limits -

General Aggregate:	\$ 500,000
Products / Completed Operations:	\$ 500,000
Personal & Advertising Injury:	\$ 500,000
Each Occurrence:	\$ 500,000

Policy MUST include the following conditions:

- a) Explosion, Collapse & Underground
- b) Independent Contractors
- c) Pollution Liability (Applicable only to contracts involving pollutants such as asbestos & lead abatement, sludge or other waste abatement, etc.)

Name City of Overland Park as "Additional Insured"

4. Automobile Liability

Policy shall protect the Consulting Engineer/Architect against claims for bodily injury and/or property damage arising out of the ownership or use of any owned, hired and/or non-owned vehicle and must include the protection for either:

Any Auto

Or

All Owned Autos;
Hired Autos; and
Non-Owned Autos

Limits -

Each Accident, Combined Single Limits, Bodily Injury and Property Damage:

Same as General Liability

Policy MUST include the following condition:

Name City of Overland Park as "Additional Insured"

5. Workers' Compensation

This insurance shall protect the Consulting Engineer/Architect against all claims under applicable state workers' compensation laws. The Consulting Engineer/Architect shall also be protected against claims for injury, disease or death of employees for which, for any reason, may not fall within the provisions of workers' compensation law. The policy limits shall not be less than the following:

Workers' Compensation: Statutory

Employers Liability -

Bodily Injury by Accident:	\$ 100,000 Each Accident
Bodily Injury by Disease:	\$ 500,000 Policy Limit
Bodily Injury by Disease:	\$ 100,000 Each Employee

6. Professional Liability

The Consulting Engineer/Architect shall maintain throughout the duration of this Contract, Professional Liability Insurance in an amount not less than One Million Dollars (\$1,000,000.00).

7. Industry Ratings

The City will only accept coverage from an insurance carrier who offers proof that it:

- a) Is licensed to do business in the State of Kansas;
- b) Carries a Best's policyholder rating of B+ or better; and
- c) Carries at least a Class X financial rating.

OR

Is a company mutually agreed upon by the City and Consulting Engineer/Architect.

8. Subcontractors' Insurance

If a part of the Agreement is to be sublet, the Consulting Engineer/Architect shall either:

- a) Cover all subcontractors in its insurance policies, or
- b) Require each subcontractor not so covered to secure insurance which will protect subcontractor against all applicable hazards or risks of loss as and in the minimum amounts designated.

Whichever option is chosen, Consulting Engineer/Architect shall indemnify and hold harmless the City as to any and all damages, claims or losses, including attorney's fees, arising out of the acts or omissions of its subcontractors.

9. Railroad Protective Liability

(Additional requirement applicable when working on railroad property.)

Named Insured:	Applicable Railroad
Limits - Bodily Injury & Property Damage:	Per Railroad Requirements

10. Aircraft Liability

(Additional requirement applicable for aerial photograph or contract involving any use of aircraft.)

Limits- Single Limit Bodily Injury; Including Passengers; and Property Damage:

\$ 1,000,000 Each Occurrence

Coverage must include all Owned, Hired and Non-Owned Aircraft.

Policy MUST include the following condition:

Name City of Overland Park as "Additional Insured" on the hired and non-owned Aircraft Liability.

E. INDEMNITY

1. Definition: For purposes of indemnification requirements, the term "Loss" shall have the meaning set forth as follows:

"Loss" means any and all loss, damage, liability or expense, of any nature whatsoever, whether incurred as a judgment, settlement, penalty, fine or otherwise (including attorney's fees and the cost of defense), in connection with any action, proceeding, demand or claim for injury, including death, to any person or persons or

damages to or loss of, or loss of the use of, property of any person, firm or corporation, including the parties hereto, which arise out of or are connected with, or are claimed to arise out of or be connected with, the performance of this Agreement whether arising before or after the completion of the Engineering/Architectural Services required hereunder.

2. Indemnity: For purposes of this Agreement, Consulting Engineer/Architect hereby agrees to indemnify, defend and hold harmless the City, its employees and agents from any and all Loss where Loss is caused or incurred or alleged to be caused or incurred in whole or in part as a result of the negligence or other actionable fault of the Consulting Engineer/Architect, its affiliates, subsidiaries, employees, agents and subcontractors/assignees and their respective servants, agents and employees.

It is agreed as a specific element of consideration of this Agreement that this indemnity shall apply notwithstanding the joint, concurring or contributory or comparative fault or negligence of the City or any third party and, further notwithstanding any theory of law including, but not limited to, a characterization of the City's or any third party's joint, concurring or contributory or comparative fault or negligence as either passive or active in nature; provided, however, that the Consulting Engineer/Architect's obligation hereunder shall not include amounts attributable to the fault or negligence of the City or any third party for whom the Consulting Engineer/Architect is not responsible.

In the case of any claims against the City, its employees or agents indemnified under this Agreement, by an employee of the Consulting Engineer/Architect, its affiliates, subsidiaries, or subcontractor/assignees, the indemnification obligation contained in this Agreement shall not be limited by any

limitation on amount or type of damages, compensation or benefits payable by or for the Consulting Engineer/Architect, its affiliates, subsidiaries, or subcontractor/assignees, under workers' compensation acts, disability benefit acts, or other employee benefit acts.

F. AFFIRMATIVE ACTION/OTHER LAWS

1. During the performance of this Agreement, the Consulting Engineer/Architect agrees that:
 - a. Consulting Engineer/Architect shall observe the provisions of the Kansas Act Against Discrimination (K.S.A. 44-1001 et seq.) and shall not discriminate against any person in the performance of work under the present contract because of race, religion, color, sex, disability, national origin, ancestry or age;
 - b. in all solicitations or advertisements for employees, the Consulting Engineer/Architect shall include the phrase, "equal opportunity employer," or a similar phrase to be approved by the commission;
 - c. if the Consulting Engineer/Architect fails to comply with the manner in which the Consulting Engineer/Architect reports to the commission in accordance with the provisions of K.S.A. 44-1031 and amendments thereto, the Consulting Engineer/Architect shall be deemed to have breached the present contract and it may be canceled, terminated or suspended, in whole or in part, by the contracting agency;
 - d. if the Consulting Engineer/Architect is found guilty of a violation of the Kansas Act Against Discrimination under a decision or order of the commission which has become final, the Consulting Engineer/Architect shall

- be deemed to have breached the present contract and it may be canceled, terminated or suspended, in whole or in part, by the contracting agency; and
- e. the Consulting Engineer/Architect shall include the provisions of subsections (a) through (d) in every subcontract or purchase order so that such provisions will be binding upon such subcontractor or vendor.

The provisions of this section shall not apply to a contract entered into by a Consulting Engineer/Architect:

- who employs fewer than four employees during the term of such contract; or
 - whose contracts with the City cumulatively total \$5,000 or less during the fiscal year of the City.
2. The Consulting Engineer/Architect further agrees that the Consulting Engineer/Architect shall abide by the Kansas Age Discrimination In Employment Act (K.S.A. 44-1111 et seq.) and the applicable provision of the Americans With Disabilities Act (42 U.S.C. 1201 et seq.) as well as all other federal, state and local laws, ordinances and regulations applicable to this project and to furnish any certification required by any federal, state or local governmental agency in connection therewith.

G. ENTIRE AGREEMENT

This Agreement constitutes the entire agreement between the parties and supersedes all prior agreements, whether oral or written, covering the same subject matter. This Agreement may not be modified or amended except in writing mutually agreed to and accepted by both parties to this Agreement.

H. APPLICABLE LAW

This Agreement is entered into under and pursuant to, and is to be construed and enforceable in accordance with, the laws of the State of Kansas.

I. ASSIGNMENT OF AGREEMENT

This Agreement shall not be assigned or transferred by Consulting Engineer/Architect without the written consent of the City.

J. NO THIRD PARTY BENEFICIARIES

Nothing contained herein shall create a contractual relationship with, or any rights in favor of, any third party.

K. INDEPENDENT CONTRACTOR

The Consulting Engineer/Architect is an independent contractor and as such is not an agent or employee of the City.

L. WORK PRODUCT FORMAT

1. Project Drawings: Project drawings which are developed by Consulting Engineer/Architect through the use of a Computer Aided Drafting (CAD) System shall be made available to City by providing a Microsoft compatible compact disc. However, due to the potential that the information set forth on the electronic media (disk) can be modified by City, or City consultants, unintentionally or otherwise, Consulting Engineer/Architect shall remove all indices of its ownership, professional corporation name, seal, and/or involvement from each electronic display. For documentation purposes, two sets of an original electronic media (disk) and two (11" x 17" size or larger) duplicate hard copy sets will be prepared. One set will be given to City and one set will be retained by Consulting Engineer/Architect. If City provides such electronic media (disk) to others for any purpose, City shall require the electronic media (disk) to be returned to City upon completion of such use. City recognizes that use of such electronic media (disk) will be at City's sole risk and without any liability risk or legal exposure by Consulting Engineer/Architect.

2. Project Documentation: All documentation provided to the City other than project drawings shall be furnished on a Microsoft compatible compact disc.
3. "Record" Drawings: Following construction, City will provide copies of changes and alterations made in the field during construction to Consulting Engineer/Architect to provide "record" drawings, unless Consulting Engineer/Architect has provided a floppy disk to City on which City can make changes. Consulting Engineer/Architect has the right to rely on the information provided by the City in preparing such documents, and shall have no independent duty to verify its accuracy.

M. FEDERAL LOBBYING ACTIVITIES

(Only applies to projects receiving federal funds via the City)

31 USCA Section 1352 requires all subgrantees, contractors, subcontractors and consultants who receive federal funds via City to certify that they will not use federal funds to pay any person for influencing or attempting to influence a federal agency or Congress in connection with the award of any federal contract, grant, loan or cooperative agreements. In addition, contract applicants, recipients and subrecipients must file a form disclosing any expenditures they make for lobbying out of non-federal funds during the contract period.

Necessary forms are available from the City's Project Manager and should be returned to City with other final contract documents. It is the responsibility of Consulting Engineer/Architect to obtain executed forms from any of its subcontractors who fall within the provision of the Code and to provide City with the same.

N. COVENANT AGAINST CONTINGENT FEES

Consulting Engineer/Architect warrants that he/she has not employed or retained any company or person, other than a bona fide employee working for Consulting Engineer/Architect, to

solicit or secure this Agreement, and that he/she 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, City may terminate this Agreement without liability or may, in its discretion, deduct from the Contract Price or otherwise recover the full amount of such fee, commission, percentage, brokerage fee, gift or contingent fee.

O. COMPLIANCE WITH LAWS

Consulting Engineer/Architect shall abide by all applicable federal, state and local laws, ordinances and regulations applicable to the Engineering/Architectural Services or the Project at the time Services are rendered. Consulting Engineer/Architect shall secure all occupational and professional licenses and permits from public and private sources necessary for the fulfillment of his/her obligations under this Agreement.

P. TITLES, SUBHEADS AND CAPITALIZATION

Title and subheadings as used herein are provided only as a matter of convenience and shall have no legal bearing on the interpretation of any provision of this Agreement. Some terms are capitalized throughout this Agreement but the use of or failure to use capitals shall have no legal bearing on the interpretation of such terms.

Q. SEVERABILITY CLAUSE

Should any provision of this Agreement be determined to be void, invalid, unenforceable or illegal for whatever reason, such provision(s) shall be null and void; provided, however, that the remaining provisions of this Agreement shall be unaffected thereby and shall continue to be valid and enforceable.

R. EXECUTION OF CONTRACT

The parties hereto have caused this Agreement to be executed in triplicate this _____ day of _____ 20 ____.

Affinis Corp.

By: _____
John B. Thomas

Vice President

CITY OF OVERLAND PARK, KANSAS

CARL GERLACH
MAYOR

ATTEST:

MARIAN COOK
CITY CLERK

APPROVED AS TO FORM:

ATTORNEY FOR THE CITY

Exhibit A: Basic Services and Other Matters

Scope of Project: The project includes design, plans, specifications and construction administration duties for constructing 159th Street to four-lane thoroughfare standards from Quivira Road to Antioch Road. The project also includes construction of Quivira Road and Switzer Road to four-lane arterial standards north and south of 159th Street to the extent of the turn-lanes with appropriate tie-in tapers, approximately 1000 feet north and south of the intersections.

Traffic signal work will include a new traffic signal at 159th Street and Switzer, and at 159th Street and Quivira Road. A warrant analysis will be performed for each intersection to determine if the signal should be constructed with the project. If signals are not warranted, conduit and pull box plans will be developed for the construction so the intersections are set up for future signals.

A new street light system will be included in the design through the length of the project.

Restoration will include seeding and sod, landscape (trees to be replaced in subdivision common areas – bid item and standard detail), irrigation replacement (negotiated fee under the contingency), reconstruction of private fences, and reconstruction of subdivision monuments (detailed plans not required). Temporary erosion control will be provided per phased construction.

The City's standard traffic control details will be used as the primary basis for the traffic control plans. In addition to the standard details, sequence of construction descriptions and traffic control lane reduction restriction will be provided along with any road closing and detour plans.

Plans shall be formatted for bid letting according to the City of Overland Park Project Procedures Manual. Plans shall be in ENGLISH units.

The Consulting Engineer shall furnish and perform the various professional duties and services required for the construction of the Project in accordance with tasks listed in the current City of Overland Park Project Procedures Manual.

General Design Requirements

The consultant shall design the Project in conformity with the state and federal design criteria appropriate for the Project in accordance with the current KDOT Design Manual, Geotechnical Bridge Foundation Investigation Guidelines, Bureau of Design's road memorandums, the current version of the Manual on Uniform Traffic Control Devices (MUTCD) as adopted by the Secretary, the City's Project Procedures Manual, and the current version of the Standard Specifications for State Road and Bridge Construction with Special Provisions, and with any necessary Project Special Provisions with the rules and regulations of the Federal Highway Administration pertaining thereto.

The Design plans shall be signed and sealed by the licensed professional engineer responsible for the preparation of the design plans. Geological investigations or studies shall be signed and sealed by the licensed Geologist responsible for the preparation of the geological investigations or studies. Rights of way descriptions shall be signed and sealed by the licensed land surveyor responsible for the preparation of the rights of way descriptions.

General Survey Requirements:

Vertical Control:

Elevations for plans must be obtained from a benchmark on the Johnson County Vertical Control Network. Show the datum benchmark and elevation of the datum benchmark on the plans.

Horizontal Control:

Section Corner and quarter section corner locations must be referenced to the Johnson County Horizontal Control Network. As part of the design survey all Section Corners and Quarter Section Corners within the project area and others used for project control must be located, reference and state plane coordinates determined with GPS equipment. The coordinates and referenced ties shall be shown on the plans and the standard corner reference report submitted to the Kansas State Historical Society, the County Engineer, and cities project engineer within 30 days of the survey as required by state law. If a Johnson County Horizontal Control marker may be damaged by construction the County public works department should be notified prior to the bid letting.

Plan Notes - Johnson County Control Bench Marks:

Any Johnson County Benchmarks, Johnson County Horizontal Control monuments and any Section Corner and Quarter Section Corners within the area surveyed for the project must be conspicuously indicated on the plans. All bench marks and section and quarter section corners and property pins within the construction limits shall include a note for the re-establishment of the monuments.

Hazardous Materials

It is acknowledged by both parties that the Consulting Engineer's scope of services does not include any services related to hazardous or toxic materials. In the event the Consulting Engineer or any other party encounters hazardous or toxic materials at the project site, or should it become known in any way that such materials may be present at the project site or any adjacent areas that may affect the performance of the Consulting Engineer's services, the Consulting Engineer may, at his or her option and without liability for consequential or any other damages, suspend performance of services on the project until the City retains, at their cost, appropriate specialist consultant(s) or contractor(s) to identify, abate and/or remove the hazardous or toxic materials.

Task 1 Preliminary Design

1.01. Data Collection.

- A. Attend pre-design meeting.
- B. Review design criteria for the project; prepare design memorandum.
- C. Develop detailed design schedule in a form compatible with MS Project 4.0 or later. Submit copy to City, and provide digital updates at scheduled progress meetings. Include at least the following benchmarks.
 1. Survey complete.
 2. Data collection complete.
 3. Plans to all utilities.
 4. Field check complete.
 5. Legal descriptions to City.
 6. Public meetings.

7. Agency permits submitted.
8. Office Check plans submitted for review.
9. P,S & E Submitted.
10. Project ready for bid.

D. Schedule and coordinate project activities with the City (where applicable).

E. Field data collection.

1. Establish land corners.
2. Field surveys (notify property owners using door hangers prior to beginning field survey). Includes shots at pavement tie-in locations, existing back of curb, edges of pavement, existing lane lines across roadway, existing storm and sanitary sewer systems, fences, trees, building corners, etc. to create project mapping.
3. Re-survey areas within project limits that change (due to development, etc.) during the design process.
4. Survey existing visible property corners and include in mapping. Includes resetting corners after construction.
5. Contact utilities and field locate horizontal locations of all utilities that respond and mark their facilities. Coordinate and survey pot-hole information for critical vertical utility locations. A maximum of 24 hours is included in the basic scope for pot-hole surveys. If additional time is required, the work will be done under a supplemental agreement.
6. Field locate all irrigation systems.
7. Stake centerline every 50 feet as may be required by utilities or other entities to plan relocation work.
8. Provide field staking for proposed storm sewer structures, traffic signal poles for utility relocations.
9. Stake bore hole locations.
10. Stream crossing elevation data at culverts classified as bridges.
11. Compile project photos of existing conditions (roadway, entrances, monuments, grading, etc.)
12. Prepare and submit to governmental agencies a certified land corner record for each section corner recovered and used on this project.

F. Ownership and abutting property information.

1. Show City supplied plat information on plans.
2. Obtain ownership information. The Consulting Engineer shall prepare an RFP to be mailed to City approved title companies to provide for ownership information research. The Consulting Engineer will review proposals and recommend company to the City for approval. The City shall pay the costs associated with ownership information research to the title company. The Consulting Engineer shall coordinate required work

with the title company.

3. Review record drawings on abutting projects and subdivisions. Update as required.
 4. Obtain and review new, approved site plans for developments.
- G. The Consulting Engineer shall contract with a City approved geotechnical firm for sub-surface investigations and foundation recommendations. The Consulting Engineer shall pay the costs associated with the work to the geotechnical firm. This cost shall be included in the total compensation fee as outlined in the Engineering/Architectural Services Agreement. Global stability analysis, as may be required for retaining wall design, will be arranged by the Consulting Engineer. However, because the extent and nature of this work cannot be known at this time, this work will be done under a negotiated fee to be covered under the contingency fee in the contract.
1. Field stake boring locations and elevations
 2. In general, locate borings in cut areas (typically near right of way line) and over storm sewers.
- H. Obtain from the City current daily traffic volumes and peak period traffic counts. (City to provide)
- I. Analyze the storm drainage needs along the project.
1. Review site development drainage calculations and obtain calculations for new developments.
 2. Review watershed areas for all streams and basins draining onto the proposed roadway.
 3. Review ultimate development land uses for all watersheds and sub-basin areas draining onto project.
 4. Locate all storm drainage system discharges upstream from the project.
- J. Prepare an analysis of the construction phasing and traffic control needs to maintain acceptable access to the existing land uses along the project corridor.
- K. Develop basemap from survey information. Basemap to be at a scale of 1"=20 ft. showing both contours at 2 foot intervals, existing property lines, owner information, and existing utility information as determined from surveyed utility locates, visible features and/or facility maps.

1.02 Prepare Field Check Plans

- A. Cover sheet.
- B. Typical sections.
- C. Pavement section (City to provide)

- D. Preliminary survey reference sheet
- E. Subsurface drainage design – City to provide base thickness and material specification. Consulting Engineer to provide edge drain layout.
- F. Surface drainage design
 - 1. Drainage area maps.
 - 2. Pavement spread and inlet spacing calculations.
 - 3. Inlet and other structure design calculations.
 - 4. Hydraulic grade calculations.
- G. Plan and Profile sheets
 - 1. Plan scale = 1"=20 ft.
 - 2. Profile scale H:1"= 20 ft., V:1"=10 ft.
- H. Length of tapers and storage lanes for turn lanes. (City to provide)
- I. Entrance/side street profiles
- J. Preliminary traffic control for construction plan sheets.
- K. Preliminary street lighting.
 - 1. Pole locations.
 - 2. Define design parameters.
- L. Preliminary traffic signal design including warrant analysis for each intersection.
 - 1. New signal at 159th and Quivira
 - 2. New signal at 159th and Switzer.
- M. Provide irrigation restoration plans for intermediate use (during construction) and final configuration for up to three subdivisions. Because the extent and nature of the restoration plans cannot be known at this time, this work will be done under a negotiated fee to be covered under the contingency fee in the contract.
- N. Prepare bridge plans for RCB's classified as bridges (Two in Basic Scope).
 - 1. Design and load rating vehicles
 - 2. Type of structure (Precast barrel sections with custom design for free standing wingwalls).
 - 3. Hydrology and hydraulic requirements
 - 4. Prepare "Hydraulic Assessment Checklist for Drainage Design", KDOT Bridge Manual. This document and the supporting calculations shall be sealed by a licensed Professional Engineer in the state of Kansas.
- O. Preliminary pavement marking, signing.
- P. Property lines and owner information.
- Q. Preliminary construction grading limits.

- R. Cross sections every 25 feet
- S. ISR wall profiles as required for the project. Design for up to three non-ISR walls is included in the Basic Scope.
- T. Erosion & Sediment Control Memo (identify how construction sequencing will impact E & S controls).
- U. Fiber Optic System is NOT considered part of this Basic Scope of Services.
- V. Quality Assurance Review.
- W. Field Check Plans shall evaluate and include consideration of the following:
 - 1. Logical tie-point for Switzer Road and Quivira Road north and south of 159th Street.
 - 2. Consideration of method to drop lanes at 159th Street and Quivira Road.
- X. Dynamic Message Sign Design is NOT part of this Basic Scope of Services
- Y. Prepare concept review of potential post-construction Best Management Practices (BMP's) for storm water treatment that might be reasonably incorporated into the project. Concept review shall include evaluation of systems to be used and right-of-way needs necessary for them. Final design of post-construction storm water treatment BMP's is NOT a part of this Basic Scope of Services and will be negotiated as a supplemental agreement if the City decides to incorporate these BMP's into the project.

1.03 Submit field check plans and opinion of probable construction cost to the City. The preliminary opinion of probable project costs should be itemized by unit of work and include right-of-way costs and contingency. Prepare and submit request for design exception, if necessary.

1.04 Submit field check plans to utility companies for their use in preparing plans for relocations

1.05 Meet with utility companies to discuss project and begin coordination for relocations (Assume four meetings)

1.06 Meet with City approximately monthly as necessary in connection with Field Check Plans (Assume eight meetings).

1.07 Office Field Check meeting to be performed with representatives of the Consulting Engineer and the City to review the Field Check plans

1.08 Field Check to review site conditions will be conducted with representatives of the Consulting Engineer and the City.

1.09 Right-of-way and easements.

A. Describe right-of-way and easements necessary to complete project.

- 1. Furnish legal descriptions (sealed by Kansas RLS)
- 2. Furnish necessary title information (City pays for title work)
- 3. Maps and sketches as follows:
 - a. Plan and profile pages showing all proposed takings.

- b. Individual tract maps of takings for each ownership including:
 - (1.) Title block
 - (2.) Ownership boundaries
 - (3.) Existing rights-of-ways and easements
 - (4.) Proposed takings identified with text and graphically.
 - (5.) Legend for taking type.
 - (6.) Graphical scale and north arrow
 - (7.) Ownership information
 - (8.) Legal description of all takings
- 4. Legal descriptions to be provided in digital format compatible with Microsoft Word 7.0..
- 5. Revise legal descriptions and ownerships as required. (Assume 10 percent of tracts change ownership).
- B. The Consulting Engineer shall stake in the field the location of rights-of-way and/or easements prior to acquisition and construction as requested by the City, and shall meet with appraisers to identify easement and right-of-way locations. (Assume 20% of properties will be staked.)
- C. The Consulting Engineer shall contract with a City approved appraisal firm for appraisal and acquisition services necessary to acquire permanent rights-of-way and easements, and temporary construction easements. The Consulting Engineer shall pay the costs associated with the work to the appraisal firm. This cost shall be included in the total compensation fee as outlined in the Engineering/Architectural Services Agreement. For the purposes of this agreement, a maximum of 80 properties are assumed to require acquisition services.

1.10 Public Information:

- A. Prepare for and attend three public information meetings to explain the project to property owners and key stakeholders, and to receive public comments at a time and place arranged for by the City. In addition, prepare presentation boards for the City's use for an official public meeting. The Consulting Engineer will not be required to attend the official public meeting. The meetings will be at Design Concept, prior to right of way and easement acquisition (appraiser will attend), and after bids are awarded prior to construction start.
 - 1. Prepare information letters for public meetings. Affinis will draft letters, City will format and mail.
 - 2. Prepare exhibits, including preliminary plans (showing right-of-way taking and easements).
 - 3. Have persons available to explain the proposed work and to answer questions.

- B. The Consulting Engineer will be available to meet with City staff and concerned property owners as directed by the City to discuss the project at any time throughout the project. (Ten meetings included in Basic Scope).
- C. Provide material to City for their use in posting project related information on City's Web site.

1.11 Permitting.

A. Prepare the necessary plans and applications for permit submission to and approval of City land disturbance and NPDES land disturbance permits. Prepare applications for permit submission for culvers that may require US Army Corps of Engineers 404 and/or Kansas Department of Agriculture Obstruction in Streams, and City Flood Plain permits. (One structure is included in this Basic Scope). No other permit activities are anticipated to be required under this Basic Scope of Services. If additional permitting is required the work shall be done under a supplemental agreement.

Task 2 - Final Design

2.01 Prepare detailed plans and specifications.

- A. Cover sheet.
- B. Typical sections.
- C. Final survey reference sheet.
- D. Pavement design (City to provide.)
- E. Subsurface drainage design – City to provide base thickness and material specification. Consulting Engineer to provide edge drain layout and spot elevations for critical points on edge drains.
- F. Surface drainage design
 - 1. System layout, finalize pavement spread and inlet calculations.
 - 2. Storm sewer profiles.
 - 3. Confirm hydraulic grade calculations.
- G. Plan and Profile sheets
 - 1. Plan scale = 1"= 20-ft., north arrow and sheet name indicated.
 - 2. Profile scale H:1= 20-ft. V:1"=10 ft.

- H. Length of tapers and storage lengths for turn lanes (City will provide storage lengths.)
- I. Intersection details with pavement dimensions, stations and offsets indicated. Also includes curb return stations, elevations, curb type (wet/dry), drainage arrows and grid of final surface elevations for major intersections and gutter control for minor intersections on critically flat slopes.
- J. Entrance/side street profiles.
- K. Individual sidewalk ramp design and details per ADA requirements
- L. Street lighting.
 - 1. Pole locations.
 - 2. Design parameters.
 - 3. Circuit information including control center locations.
- M. Traffic signal design including all detail sheets.
 - 1. Traffic signal design at 159th and Switzer.
 - 2. Traffic signal design at 159th and Quivira.
- N. Pavement marking and signing.
- O. Existing and proposed right-of-way limits.
- P. Property lines and owner information.
- Q. Cross sections every 25 feet
- R. Traffic control plan and construction phasing for each phase of the project.
- S. Provide irrigation restoration plans for intermediate use (during construction) and final configuration for up to three subdivisions. Because the extent and nature of the restoration plans cannot be known at this time, this work will be done under a negotiated fee to be covered under the contingency fee in the contract.
- T. Landscape replacement plans and irrigation for medians are NOT part of this Basic Scope of Services.
- U. Location of existing utilities and underground facilities.
 - 1. Review each utility company's relocation plans
 - 2. Obtain digital plans of relocation layout. (Assume that half of the utilities cannot provide digital plans conforming to Consulting Engineer's CAD format.)
 - 3. Prepare a color coded utility base map showing all proposed relocations

- V. Erosion and sediment (E&S) control plans, details and estimated quantities meeting KDOT and NPDES requirements. Notes on plans shall include the intent of the erosion and sediment controls. Include pay items for each item to be used for E&S control. The E&S control plan shall include sequencing of the controls as may be needed to coordinate with construction phasing.
- W. If required, sanitary sewer relocation plans and/or septic system modifications will be done under a supplemental agreement.
- X. Standard and Special Construction Detail Sheets.
- Y. Bridge Sheets (Two structures are included in Basic Scope)
 - 1. Elevation and plan details of structure
 - 2. Plan and profile sheets
 - 3. Design Data
 - a. Unit Stresses (assume pre-cast barrel section and custom design for free standing wingwalls)
 - b. Design loading. (assume precast barrel section and custom design for free standing wingwalls).
 - c. Drainage data
- Z. Bridge Data
 - 1. Design elevations
 - a. Streambed
 - b. Water elevation with date.
 - c. Design high water.
 - d. Benchmarks
 - 2. Design high-water clearance and location.
 - 3. Vertical and horizontal clearances
 - 4. Scour calculations
 - 5. Water opening sketches.
 - a. Proposed bridge.
 - b. Existing bridge.

- AA. RCB design and details (non-bridge class culverts)
- BB. Summary of Quantities and Recapitulation of Quantities sheets for minimal selected items.
- CC. No fiber optic design is anticipated and this service is NOT part of this Basic Scope of Services.
- DD. Provide roadway related design (turn-lanes and median breaks) for developments that may occur during design.
- EE. Prepare Specifications and Special Provisions
- FF. Quality Assurance Review.
- GG. Dynamic Message Sign Design is NOT part of this Basic Scope of Services.
- HH. Design and detailing for up to three non-ISR walls in included in the Basic Scope of Services.

Subdivision monument relocation plans are NOT a part of the Basic Scope of services. If required subdivision monument relocation will be handled through the right of way acquisition process.

2.02 Schedule and attend utility coordination meetings as required. (assume 4 meetings will be held during final plan production) Stake locations of construction items as requested by utilities to facilitate their relocation work. (A maximum of 40 hours is included in the Basic Scope for staking these items. If additional staking work is required for the utilities it shall be done as a supplemental agreement.)

- A. Provide electronic base maps to all utilities for their use in developing relocation plans.

2.03 Prepare a detailed opinion of probable cost.

- A. Include an appropriate contingency.
- B. Estimate time required to complete construction.

2.04 Submit Office Check Plans to City for review

- A. Print & submit plans
- B. Prepare necessary special provisions to augment CITY standard specifications
- C. Provide information as needed for City to prepare design summary document.
- D. Provide plan modifications based on review comments received from City.

2.05 Submit P,S & E to City in reproducible form.

- A. Plan printing and production.
- B. At the completion of the project design, furnish to the City the CAD drawings of the project in AutoCad format for the City's future use. The record contract documents for the project will be the original sealed drawings. In addition, furnish plans in .pdf and .tif formats. TIFF images in compressed CCITT, group 4 at 200 dpi format. Specifications to be provided in native, , .pdf, and .tif formats.
- C. Provide bid sets via Kelly Imaging electronic plan room.

- D. Provide plans and specifications in both hard copy and electronic (.pdf) format to Plan Rooms.

2.06 Meet with City approximately monthly as necessary during preparation of detailed plans. (Assume 10 meetings)

Task 3 Bidding

- 3.01. Answer Contractor questions during the bid period and issue any necessary addenda.
- 3.02. Attend Bid opening, review bids and prepare bid tabulation.
- 3.03. Assist City in analyzing bids and making recommendation for award of the construction contract.
- 3.04. Prepare Contract Documents and print construction sets for Contractor and City.
- 3.05. Attend and prepare minutes for a pre-bid conference.
- 3.06. Prepare written addenda to the bidding documents as required and or requested
- 3.07. Attend a pre-construction conference with representatives of the City, the successful bidder and utilities.

Task 4 Construction Services

- 4.01 Be available for discussion and consultation during the construction phase, but construction (LPA) services will be the responsibility of the City of Overland Park.
- 4.02 Review shop drawings and be available for consultation with the City during construction. (Assume limited shop drawing review. City will review majority of submittals.)
 - A. Precast inlets, manholes and other drainage structures (including structures considered a bridge).
 - B. Sprinkler system shop drawings and certifications (per negotiated fee under the contingency).
- 4.03 Participate in final walk through inspection. Does not include meeting minutes or preparing "punch list".
- 4.04 Prepare plan revisions as necessitated by conditions encountered in the field during construction, with the exception of traffic control plans.
- 4.04 Prepare final record drawings from City provided redlines that reflect:

- A. All change orders
- B. Minor design changes
- C. Changes made in the field by City representatives and marked on the construction plan set.
- D. Provide record drawings in AutoCAD format as well as .tif format.

4.05 Attend weekly construction progress meetings as directed by the City. (Assume two, nine-month construction seasons- approximately 80 meetings)

- A. Consulting Engineer shall prepare and issue plan revisions at these meetings as changes occur.

4.06 Prepare bridge database information:

- A. Provide Structure Inventory and Appraisal (S,I & A) information as required in written format.
 - 1. The written SI&A information shall be sealed by a licensed Professional Engineer in the State of Kansas.
 - 2. The load rating calculations shall be sealed by a licensed Professional Engineer in the State of Kansas
 - a. Use load rating vehicles identified in the KDOT Bridge Design Manual.

4.07 Post Construction Monumentation:

Provide post-construction survey monumentation for property pins that are disrupted by construction activities. Monumentation shall be documented per City approved standard format.

Completion Time:

The Consulting Engineer hereby agrees to complete field check and right of way plans suitable for a public information meeting including easement and right-of-way descriptions and tract maps (Task 1) by **December 5, 2008**, and to complete all work necessary to advertise for bids including preparation of final plans and specifications by **December 10, 2009**.

Affinis Corp.

Date: 9/4/2007
 Client: Overland Park, KS
 Project: 159th Street (Quivira to Antioch)
 Made By: JBT

Tasks	Principal	Sen Proj Mgr	Sr. Proj. Engineer	Project Engineer	Design Tech.	CADD Tech.	Land Surveyor	Survey Tech	2-Man Crew	3-Man Crew	Clerical	LABOR COSTS	DIRECT EXPENSES ITEM	COST	TOTAL FEE
TASK I. PRELIMINARY DESIGN															
1.01 Data Collection															
A Attend Pre-Design Meeting	4	4	4				4				1	\$ 2,410.00	Mileage	\$ 7.50	\$ 2,417.50
B Review Design Criteria/Prepare Design Memo	2			4							1	\$ 910.00			\$ 910.00
C Develop Detailed Design Schedule	1	1	1	6								\$ 1,187.50			\$ 1,187.50
D Schedule & Coordinate Project Activities with City	8	8	8									\$ 3,740.00			\$ 3,740.00
E Field Data Collection															\$ -
E1 Establish Land Corners	8						66	40	100			\$ 27,195.00	GPS,Total Station	\$ 5,000.00	\$ 32,195.00
E2 Topo Surveys	16						44	56	276			\$ 53,650.00	Mileage	\$ 800.00	\$ 54,450.00
E3 Resurvey areas that change due to development	2						16	60	120			\$ 24,740.00	Mileage	\$ 225.00	\$ 24,965.00
E4 Property pin monumentation (covered under 4.07)															
E5a Utility Coord. & Locates	4						8	24	40		4	\$ 9,740.00			\$ 9,740.00
E5b Utility Potholing	4						4	4	24			\$ 5,090.00			\$ 5,090.00
E6 Irrigation System Location	4						8	16	32			\$ 7,660.00			\$ 7,660.00
E7 Stake Centerline at 50-ft intervals								4	40			\$ 6,300.00			\$ 6,300.00
E8 Structure staking for Utilities	2						4	8	16			\$ 3,830.00			\$ 3,830.00
E9 Stake Bore hole locations	4							16	24			\$ 5,520.00	Mileage	\$ 36.00	\$ 5,556.00
E10 Stream Crossing Elevation Data	4						4	8	16			\$ 4,190.00			\$ 4,190.00
E11 Project Photos	2											\$ 360.00	Photographer	\$ 2,000.00	\$ 2,360.00
E12 Submit land corner records (covered under E1)															
F Ownership & Abutting Property Information															
F1 Plot Plat Information							48	84				\$ 11,940.00	Plats, maps	\$ 200.00	\$ 12,140.00
F2 Obtain Ownership Info	2						4	4				\$ 1,130.00			\$ 1,130.00
F3 Review Development Drawings				8	8							\$ 1,760.00			\$ 1,760.00
F4 Review New Development Drawings				8	8							\$ 1,760.00			\$ 1,760.00
G Geotech Sub-Surface Investigation	2			8								\$ 1,320.00	Sub-Consultant	\$ 12,000.00	\$ 13,320.00
G1 Stake Borings (covered under E9)												\$ -			\$ -
H Current Daily Traffic Volumes/Peak Period Traffic Counts (City to Provide)(Coordination)		1										\$ 155.00			\$ 155.00
I Drainage Needs Analysis	2			24	24							\$ 5,640.00			\$ 5,640.00
J Prepare an Analysis of the Construction Phasing & Traffic Control Needs	1	6				4						\$ 1,410.00			\$ 1,410.00
K Develop Base Map from Survey Information	8						116	240				\$ 33,070.00			\$ 33,070.00
1.02 Prepare Field Check Plans															
A Cover Sheet	1			2	8	8						\$ 1,820.00			\$ 1,820.00
B Typical Sections	4			28		40						\$ 7,080.00			\$ 7,080.00
C Pavement Design (City Provides) (Coordination)	1			2	2							\$ 620.00			\$ 620.00
D Preliminary Survey Reference Sheet (covered under 1.02G)															
E Subsurface Drainage Design	2			24	24							\$ 5,640.00			\$ 5,640.00
F Surface Drainage Design	24		16	180	180	160						\$ 58,040.00			\$ 58,040.00
G Plan & Profile Sheets	40	16	8	360	360							\$ 89,940.00			\$ 89,940.00
H Taper and Storage Lengths (City to Provide) (Coordination)	2	4		8	8							\$ 2,740.00			\$ 2,740.00
I Entrance/ sidestreet Profiles	2			48	48							\$ 10,920.00			\$ 10,920.00
J Preliminary Traffic Control	4	56				112						\$ 17,800.00	Mileage	\$ 30.00	\$ 17,830.00
K Preliminary Street Lighting	2	40				60						\$ 11,060.00	Printing	\$ 50.00	\$ 11,110.00
L Preliminary Traffic Signals (Include Warrant Analysis)															
L1 159th & Quivira	1	40		8		60						\$ 11,840.00	Plotting	\$ 25.00	\$ 11,865.00
L2 159th & Switzer	1	40		8		60						\$ 11,840.00	Plotting	\$ 25.00	\$ 11,865.00
M Irrigation restoration plans (by Contingency only)															
N Bridge Plans for RCB (Assume 2 culverts may classify as bridges)			4	8	40							\$ 5,490.00			\$ 5,490.00
O Preliminary Pavement Marking & Signing	1	44				88						\$ 13,600.00	Plotting	\$ 50.00	\$ 13,650.00
P Property Lines & Owner Information	1					8	2					\$ 1,015.00			\$ 1,015.00
Q Preliminary Construction Grading Limits (covered under R)															
R Cross Sections (25-ft intervals)	4			160	160	80						\$ 41,920.00			\$ 41,920.00
S Retaining Wall Profiles	2			16	16							\$ 3,880.00			\$ 3,880.00
T Erosion & Sediment Contol Memo	3				8							\$ 1,340.00			\$ 1,340.00
U City-Owned Fiber Optic Design (by supplemental agreement only)												\$ -			\$ -
V Quality Assurance Review	32	20	12									\$ 10,450.00			\$ 10,450.00
W-1 Tie Points for Switzer and Quivira Road north and south of 159th Street	2			16	16							\$ 3,880.00			\$ 3,880.00
W-2 Lane Drops at Quivira Road	2			16	16							\$ 3,880.00			\$ 3,880.00
X Dynamic Message Sign Design (By supplemental agreement only)															
Y Concept Post Construction BMP's	10			60	60							\$ 15,000.00	SubConsultant	\$ 5,000.00	\$ 20,000.00
1.03 Submit Field Check Plans & Probable Construction Cost to City	2	2	2	16	16	40					2	\$ 7,595.00	Printing	\$ 1,000.00	\$ 8,595.00
1.04 Submit Field Check Plans to Utility Companies	2										2	\$ 500.00	Printing	\$ 1,000.00	\$ 1,500.00
1.05 Meet with Utility Companies to Coordinate Relocations (4 mtgs)	16			16	16						8	\$ 6,960.00	Mileage	\$ 30.00	\$ 6,990.00
1.06 Project Progress Meetings with City (budget 8)	32	16	12	16	16						8	\$ 13,910.00	Mileage	\$ 45.00	\$ 13,955.00

Affinis Corp.

Date: 9/4/2007
 Client: Overland Park, KS
 Project: 159th Street (Quivira to Antioch)
 Made By: JBT

Tasks	Principal	Sen Proj Mgr	Sr. Proj. Engineer	Project Engineer	Design Tech.	CADD Tech.	Land Surveyor	Survey Tech	2-Man Crew	3-Man Crew	Clerical	LABOR COSTS	DIRECT EXPENSES ITEM	COST	TOTAL FEE
1.07 Office Field Check Meeting with City	4	4	4	4	4						1	\$ 2,820.00	Mileage	\$ 7.50	\$ 2,827.50
1.08 Field Check to Review Site Conditions	16	8		16	16						2	\$ 7,780.00	Mileage	\$ 7.50	\$ 7,787.50
1.09 Right-of-Way and Easements															
A Prepare Legal Descriptions & Tract Maps (80 parcels)	20						160	200			48	\$ 40,760.00			\$ 40,760.00
B Stake Right-of-Way and Easements in Field (Assume 20% Properties)	4						8	8	40			\$ 8,260.00	Mileage	\$ 24.00	\$ 8,284.00
C Appraisal and acquisition services (max 80 parcels)	16			16	16		24				8	\$ 9,780.00	SubConsultant	\$ 120,000.00	\$ 129,780.00
1.10 Public Information Meetings															
A Prepare for and Attend Three Public Information Meetings	24			18	18	48					3	\$ 12,090.00	Printing	\$ 500.00	\$ 12,590.00
B Meet with City and Property Owners to Discuss Concerns (Ten Meetings in Basic Scope)	24			16							10	\$ 6,940.00	Mileage	\$ 75.00	\$ 7,015.00
C Provide Web Site Material	2			40								\$ 5,160.00			\$ 5,160.00
1.11 Permitting															
A Permit Applications	4		16	24	16						8	\$ 7,880.00			\$ 7,880.00
Subtotal Phase 1- Hours	387	310	87	1184	1104	768	520	772	728	0	106				
Subtotal Phase 1- Cost	\$69,660.00	\$48,050.00	\$11,527.50	\$142,080.00	\$110,400.00	\$57,600.00	\$61,100.00	\$57,900.00	\$109,200.00	\$0.00	\$7,420.00	\$ 674,937.50		\$ 148,137.50	\$ 823,075.00

TASK 2. FINAL DESIGN

2.01 Final Plans															
A Cover Sheet	1			8	8							\$ 1,940.00			\$ 1,940.00
B Typical Sections	1			16		16						\$ 3,300.00			\$ 3,300.00
C Final Survey Reference Sheet (covered under G)															
D Pavement Design (City to Provide)												\$ -			\$ -
E Subsurface Drainage Design				8		16						\$ 2,160.00			\$ 2,160.00
F Surface Drainage Design	8		12	80	80	40						\$ 23,630.00			\$ 23,630.00
G Plan & Profile Sheets	40	16	8	360	360	200						\$ 104,940.00			\$ 104,940.00
H Taper and Storage Lengths (City to Provide)		4				24						\$ 2,420.00			\$ 2,420.00
I Intersection Details	4			108	108							\$ 24,480.00			\$ 24,480.00
J Entrance/Sidestreet Profiles	4			12	12	24						\$ 5,160.00			\$ 5,160.00
K Ramp Details	8	16		216	216							\$ 51,440.00			\$ 51,440.00
L Street Lighting	4	60				80						\$ 16,020.00			\$ 16,020.00
M Traffic Signal Plans & details															
M-1 159th & Switzer	1	40				60						\$ 10,880.00			\$ 10,880.00
M-2 159th & Quivira	1	40				60						\$ 10,880.00	Plotting	\$ 100	\$ 10,980.00
N Pavement Marking and Signing	2	48				80						\$ 13,800.00	Plotting	\$ 50	\$ 13,850.00
O Existing & Proposed Right-of-Way Limits	1					16	8	16				\$ 3,520.00			\$ 3,520.00
P Property Lines & Owner Information						16	8	16				\$ 3,340.00			\$ 3,340.00
Q Cross Sections (25 foot intervals)	2			60	80	80						\$ 21,560.00			\$ 21,560.00
R Traffic Control & Construction Phasing Plans	12	120				180						\$ 34,260.00	Plotting	\$ 50	\$ 34,310.00
S Irrigation (Lawn Sprinkler) Restoration Plans (By contingency only)												\$ -			\$ -
T Landscape Replacement (supplement only)												\$ -			\$ -
U Location of Existing Utilities and Underground Facilities	16			40	40							\$ 11,680.00			\$ 11,680.00
V Erosion Control Plans, Details & Estimated Quantities	8				120	40						\$ 16,440.00			\$ 16,440.00
W Sanitary Sewer Relocation Plans (by Supplement only)												\$ -			\$ -
X Standard & Special Detail Sheets	2	4		24	24	40						\$ 9,260.00			\$ 9,260.00
Y Bridge Sheets for RCB			4	8	16							\$ 3,090.00			\$ 3,090.00
Z Bridge Data for RCB			8									\$ 1,060.00			\$ 1,060.00
AA RCB design & details (Wingwalls) non-bridge RCB's	2		20	60	80							\$ 18,210.00			\$ 18,210.00
BB Quantity Takeoffs, Summary of Quantities & Recap Sheet	2			40	40	80						\$ 15,160.00			\$ 15,160.00
CC Fiber Optic System Design (By supplement only)												\$ -	Plotting		\$ -
DD Development related Design	16	16		80	80	120						\$ 31,960.00			\$ 31,960.00
EE Specificatons & Special Provisions	24			80							40	\$ 16,720.00			\$ 16,720.00
FF Quality Assurance Review	40	24	16									\$ 13,040.00			\$ 13,040.00
GG Dynamic Message Sign Design (by supplement only)															
HH Non ISR Retaining Wall Design (3 in Basic Scope)	8	16		48	80							\$ 17,680.00			\$ 17,680.00
2.02 Utility Coordination Meetings (4 mtgs) & Field Coord.	32			16				16	40		3	\$ 15,090.00	Mileage	\$ 25.00	\$ 15,115.00
2.03 Detailed Opinion of Probable Cost	2			8	8							\$ 2,120.00			\$ 2,120.00
2.04 Submit Office Check Plans & provide modifications based on comments received	4	16	4	24	24	80						\$ 15,010.00			\$ 15,010.00
2.05 Submit P,S & E Plans															
A Plan Printing & Production	1				2							\$ 380.00	Printing	\$ 1,000	\$ 1,380.00
B E-plans to City	1				24							\$ 2,580.00			\$ 2,580.00
C Bid sets via electronic plan room	2				8							\$ 1,160.00			\$ 1,160.00

Affinis Corp.

Date: 9/4/2007
 Client: Overland Park, KS
 Project: 159th Street (Quivira to Antioch)
 Made By: JBT

Tasks	Principal	Sen Proj Mgr	Sr. Proj. Engineer	Project Engineer	Design Tech.	CADD Tech.	Land Surveyor	Survey Tech	2-Man Crew	3-Man Crew	Clerical	LABOR COSTS	DIRECT EXPENSES ITEM	COST	TOTAL FEE
2.06 Meet with City not less than monthly during design (10 meetings scheduled)	30	15	12	15	15							\$ 12,615.00	Mileage	\$ 75	\$ 12,690.00
Subtotal Phase 2- Hours	279	435	84	1311	1425	1252	16	48	40	0	43				
Subtotal Phase 2- Cost	\$50,220.00	\$67,425.00	\$11,130.00	\$157,320.00	\$142,500.00	\$93,900.00	\$1,880.00	\$3,600.00	\$6,000.00	\$0.00	\$3,010.00	\$ 536,985.00		\$ 1,300	\$ 538,285.00
TASK 3. BIDDING															
3.01 Consultation during bid period	8	8	4	8	8						4	\$ 5,250.00			\$ 5,250.00
3.02 Bid Opening, Bid Review & Bid Tab	1			4							4	\$ 940.00			\$ 940.00
3.03 Analyze Bids & Award Recommendation	1										1	\$ 250.00			\$ 250.00
3.04 Prepare Contract Documents and Construction Plan Sets	1				4						4	\$ 860.00	Printing	\$ 3,000	\$ 3,860.00
3.05 Pre-bid Conference	8										2	\$ 1,580.00	Mileage	\$ 7.50	\$ 1,587.50
3.06 Bid Addenda	4			8							4	\$ 1,960.00			\$ 1,960.00
3.07 Pre-Construction Conference	8			6							2	\$ 2,300.00	Mileage	\$ 7.50	\$ 2,307.50
Subtotal Phase 3 - Hours	31	8	4	26	12	0	0	0	0	0	21				
Subtotal Phase 3 - Cost	\$5,580.00	\$1,240.00	\$530.00	\$3,120.00	\$1,200.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,470.00	\$ 13,140.00		\$ 3,015.00	\$ 16,155.00
TASK 4 CONSTRUCTION SERVICES															
4.01 Discussions & Consultations During Construction	40	24	16	40	40							\$ 21,840.00			\$ 21,840.00
4.02 Review Shop Drawings	2	4	4		24							\$ 3,910.00			\$ 3,910.00
4.03 Final Project Walkthrough	6	4		4								\$ 2,180.00	Mileage	\$ 10.00	\$ 2,190.00
4.03 Prepare Plan Revisions for Field Changes (Excludes Traffic Control)	2	2		40	40							\$ 9,470.00			\$ 9,470.00
4.04 Prepare Final Record Drawings												\$ 6,670.00			\$ 6,670.00
A-C Prepare As-Built from City's Change Orders/Construction Records	2	2				80						\$ 2,000.00	Printing	\$ 500.00	\$ 2,500.00
D Provide Digital Format (CAD Drawings & .tif Images)					20										
4.05 Construction Progress Meetings (Assume 80 Meetings)	40	40		160								\$ 32,600.00	Mileage	\$ 600.00	\$ 33,200.00
4.06 Prepare Bridge Database Information															
A1 S,I & A Information			4	8								\$ 1,490.00			\$ 1,490.00
A2 Load Ratings			8	20								\$ 3,460.00			\$ 3,460.00
4.07 Post Construction Survey Monumentation	2						16	16	32			\$ 8,240.00			\$ 8,240.00
Subtotal Phase 4 -Hours	94	76	32	272	124	80	16	16	32	0	0				
Subtotal Phase 4 -Cost	\$16,920.00	\$11,780.00	\$4,240.00	\$32,640.00	\$12,400.00	\$6,000.00	\$1,880.00	\$1,200.00	\$4,800.00	\$0.00	\$0.00	\$ 91,860.00		\$ 1,110.00	\$ 92,970.00
GRAND TOTAL HOURS															
	791	829	207	2,793	2,665	2,100	552	836	800	0	170				
GRAND TOTAL FEE															
	\$142,380.00	\$128,495.00	\$27,427.50	\$335,160.00	\$266,500.00	\$157,500.00	\$64,860.00	\$62,700.00	\$120,000.00	\$0.00	\$11,900.00	\$1,316,922.50		\$ 153,562.50	\$ 1,470,485.00

**CITY OF OVERLAND PARK
CERTIFICATE OF INSURANCE – FOR CONSULTANTS**

NAME AND ADDRESS OF AGENCY HOLMES MURPHY & ASSOCIATES 9300 W 110 TH STREET, SUITE 645 OVERLAND PARK, KS 66210	COMPANIES AFFORDING COVERAGES	
	COMPANY LETTER	A Hartford Accident & Indemnity
NAME AND ADDRESS OF INSURED AFFINIS CORP. 7401 W 129 TH STREET, SUITE 110 OVERLAND PARK, KS 66213	COMPANY LETTER	B Hartford Underwriters Ins. Co.
	COMPANY LETTER	C St. Paul Fire & Marine Ins. Co.
	COMPANY LETTER	D

This is to certify that policies of insurance listed below have been issued to the insured named above and are in force at this time.

COMPANY LETTER	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	ALL LIMITS IN THOUSANDS (000)	
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> ON AN OCCURRENCE BASIS <input type="checkbox"/> "X", "C", "U"	34SBWPD1426	01/01/07	01/01/08	GENERAL AGGREGATE	\$2,000,000
					PRODUCTS / COMPLETED OPERATIONS AGGREGATE	\$ 2,000,000
					PERSONAL & ADVERTISING INJURY	\$ 10,000
					EACH OCCURRENCE	\$ 1,000,000
B	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTO	34UEGTZ2462	01/01/07	01/01/08	GSL	\$ 1,000,000
					BODILY INJURY (PER PERSON)	\$
					BODILY INJURY (PER ACCIDENT)	\$
					PROPERTY DAMAGE	\$
A	EXCESS LIABILITY <input checked="" type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM	34SBWPD1426	01/01/07	01/01/08	EACH OCCURRENCE \$ 2,000,000	GENERAL AGGREGATE \$ 2,000,000
A	WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY	34WBGKD6523	01/01/07	01/01/08	STATUTORY	
					\$ 1,000,000	(EACH ACCIDENT)
					\$ 1,000,000	(DISEASE-POLICY LIMIT)
					\$ 1,000,000	(DISEASE-EACH EMPLOYEE)
					\$	(EACH CLAIM)
C	PROFESSIONAL LIABILITY	QP0380810	01/22/07	01/22/08	\$ 2,000,000	(EACH CLAIM)
					\$ 2,000,000	(ANNUAL AGGREGATE)

THE INSURANCE COMPANY AFFORDING COVERAGE UNDER THIS CONTRACT: 1. Is licensed to do business in the State of Kansas 2. Carries a Best's policyholder rating of 3. Carries a Best's financial rating of	COMPANY LETTER											
	A			B			C			D		
	Yes	X	No	Yes	X	No	Yes	X	No	Yes		No
	A+			A+			A+					
	XV			XV			XV					

COMMENTS: The commercial general liability policy includes contractual liability assumed by contract, and vicarious liability associated with Independent Contractors.

The commercial general liability policy provides primary protection for subcontractors not otherwise insured. X Yes ___ No*
 * If "No", all subcontractors must submit a certificate of liability insurance pursuant to the Contract between City and Consultant.

City of Overland Park is named as additional insured with respects to General Liability and Auto Liability.

Project Name: 159th Street Widening (Quivira Road to Antioch Road) TH0870

Cancellation or modification. Should any of the above described policies be cancelled or materially modified before the expiration date thereof, the issuing company will mail 30 days written notice to the below named certificate holder.

NAME AND ADDRESS OF CERTIFICATE HOLDER
 ATTN: MARYLOU MCCANN
 CITY OF OVERLAND PARK
 8500 SANTA FE DRIVE
 OVERLAND PARK, KS 66212

DATE ISSUED AUGUST 29, 2007

 AUTHORIZED REPRESENTATIVE