

ATTACHMENT " A "

PROJECT SCOPE

TITLE: **Civil Engineering Consulting Services**

LOCATION: Citywide

GENERAL DESCRIPTION: This contract will be used for on-call civil engineering assignments and services. See attached Scope of Services for details of the type of services covered.

SERVICES REQUIRED:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Investigation | <input checked="" type="checkbox"/> Planning |
| <input checked="" type="checkbox"/> Soils Investigation | <input checked="" type="checkbox"/> Design |
| <input checked="" type="checkbox"/> Bidding & Construction | <input checked="" type="checkbox"/> Surveying |

PRODUCTS REQUIRED:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Study / Report | <input checked="" type="checkbox"/> Plans, Specifications, Estimates |
|--|--|

GENERAL REQUIREMENTS AND CRITERIA:

1. Design must meet all applicable City Codes and Ordinances.
2. Design must comply with Engineering Department Guidelines.
3. Design must comply with all local, state and federal laws and regulations, including but not limited to the Americans with Disabilities Act.

OTHER CONSIDERATIONS:

1. Work to be coordinated with the Engineering Department.
2. This contract will be for a period of one (1) year with fees not to exceed \$750,000 with the option to renew for an additional one-year term.

PROJECT SCHEDULE:

Project Schedules to be developed for each assignment as needed.

07 SEP 10 AM 11:06
CITY CLERK DEPT.

Scope of Services

General Description:

1. Studies and Reports - Engineer shall perform research and database creation to conduct studies and produce reports to include investigations, drawings, sketches, and cost estimates. Reports shall include description of alternatives considered, estimates of construction costs, conclusions and recommendations. This task includes the preparation of drainage studies, master drainage plans, feasibility studies, structural analysis, design analysis and other studies as required.
2. Preparation of plans, specifications and cost estimates for design of street and drainage improvements, other site improvements, drainage improvements and subsurface utility engineering to include records research and field verification.
3. Preparation of plans, specifications and cost estimates for design of buildings, structures and similar construction.
4. Constructibility, Biddability, Operability Reviews and Value Engineering. The Engineer shall provide constructibility, biddability, and operability reviews on proposed construction projects. The review will cover such items as detail and cut omissions and inconsistencies between plans and specifications, vague or ambiguous notes and references and lack of coordination between the drawings of all disciplines involved in the project.
5. Full time Project Representative. The Engineer shall designate and assign a project representative, subject to the approval of the Owner, who will serve as the point of contact during the on-site observation and inspection of the construction work in progress and to ascertain that the work is properly executed in conformance with the drawings and specifications.
6. Review of Shop Drawings, Materials, Fixtures, and Equipment. The Engineer shall review shop drawings and materials submittal and make recommendations for approval or disapproval. Final approval shall be by the Owner.
7. Meetings and Conferences. Periodic meetings shall be held whenever requested by the Owner for discussion of questions and problems relating to the work being performed by the Engineer. The Engineer shall be required to attend and participate in all design conferences pertinent to the work being performed.
8. The Engineer shall appoint a project coordinator or manager to serve as a single point of contact and liaison between the Engineer and the Owner for all work required under this agreement. The project coordinator or manager will be responsible for the complete coordination of all work developed under each assignment. All work will be accomplished with adequate internal controls and review procedures to eliminate conflicts, errors, and omissions, and to insure the technical accuracy of all design information.
9. Provide topographic, boundary, metes and bounds and improvement surveys.
10. Investigate, research and provide reports and recommendations on drainage, grading, roadway and accessibility problems.
11. Prepare cost estimates for street and drainage improvements, park and site improvements.
12. Provide As-Built drawings of new construction.
13. Provide other civil engineering functions as may be required by the Owner.



HOURLY BILLING RATES AND REIMBURSABLE COSTS

Reference: City of El Paso
Civil Engineering Consulting Services - 2007

<u>Classification</u>	<u>Hourly Rates</u>
1. Principal Engineer/Senior Project manager	\$159.00
2. Engineer V	\$98.33
3. Engineer IV	\$75.71
4. Engineer III	\$70.72
5. Engineer I/II	\$62.53
6. Designer	\$68.54
7. Engineering Technician III	\$49.79
8. Engineering Technician II	\$33.10
9. Engineering Technician I	\$24.02
10. Administrative Manager	\$51.25
11. Administrative Assistant	\$42.41
12. Typist	\$29.40
13. Runner/Clerk	\$24.30
14. Resident Project Representative	\$85.00

Reimbursable Costs

1. Mileage	\$0.44/mile
2. B&W Copies 8.5"x11"	\$0.12/each
3. B&W Copies 11"x17"	\$0.20/each
4. Blacklines	\$0.18/squarefoot
5. Color Copies 8.5"x11"	\$1.00/each
6. Color Copies 11"x17"	\$2.00/each
7. B&W Roll Plots	\$1.00/linear feet
8. Color Roll Plots	\$1.50/linear feet
9. Mylar Plots	\$1.25/linear feet
10. Mylars	\$1.00/square foot
11. 3-Ring Binders	\$15.00/each
12. Spiral Binding	\$10.00/each
13. Subconsultant Costs	Cost x 1.05

Fringe Benefit and Overhead

Fringe benefit rate:	56.05%
General overhead rate:	110.20%
Combined rate:	166.25%
Profit rate:	10.00%

J:\Proposals\11.084 07-107 C:\PCECS\2007\RM\SchA-B\HRates\Rev 2007\Rev.02Jun07.doc

Effective: May 15, 2007
Revised: July 2, 2007

07 SEP 10 AM 11:06
CITY CLERK DEPT.

ATTACHMENT "C"
AGREEMENT FOR CONSULTING SERVICES

CITY CLERK DEPT.
07 SEP 10 AM 11:06

For the Project known as "CIVIL ENGINEERING CONSULTING SERVICES" hereinafter referred to as the Project, the Consultant will provide the Basic and Additional Services as noted herein.

BASIC SERVICES OF THE CONSULTANT

GENERAL

1. The Consultant agrees to perform professional services in connection with the Project as hereinafter stated.
2. The Consultant shall comply with the City of El Paso Engineering Department Construction Document Guidelines, which are in effect at the time of this Agreement and are available in the City Engineering Department, in the performance of the services requested under the design phases of this Agreement.
3. The Consultant shall serve as the Owner's professional representative in those phases of the Project to which this Agreement applies, and shall give consultation and advice to the Owner during the performance of services.
4. The Owner is relying upon the skill, reasonable care and knowledge of the Consultant to furnish the Owner with a project within the allocated budget. The Owner's review of any documents prepared by the Consultant is only general in nature and its obligation to approve and accept the work in no way relieves the Consultant of responsibility for any specific deficiencies in the project.

REPORT PHASE

1. Upon receipt of the Owner's written authorization to proceed with the **Report Phase**, the Consultant shall:
 - a. Consult with the Owner to determine the requirements of the Project and together with the Owner develop a mutually acceptable scope for the Project.
 - b. Provide preliminary investigations, studies, topographic surveys including ties to known monuments of right-of-way lines, general supervision of any other services obtained as described in Part 1.c. of this section and interpreting or incorporating results of any such services for inclusion in the Preliminary Study and Report referred to in Part 1.d. of this section.
 - c. (1) Provide consultation and advice as to the necessity of providing or obtaining other services such as: (a) Property surveys, boundary surveys, right-of-way surveys, and utility surveys, (b) Core borings, probings, and hydrographic surveys, (c) Laboratory testing, and (d) Inspection or other special consultation; (2) Act as the Owner's

CITY CLERK DEPT.
07 SEP 10 AM 11:06

ATTACHMENT "C"
AGREEMENT FOR CONSULTING SERVICES

representative in connection with such services; and (3) If concurred with and authorized by the Owner, provide, procure, or assist in procuring such Additional Services.

d. Prepare a Preliminary Study and Report on the Project based on the mutually accepted program in sufficient detail to indicate clearly the problems involved and the alternative solutions available to the Owner, to include schematic layouts, sketches, flow diagrams and reports of studies, and a general opinion of probable construction costs for such of the above listed improvements to be included in the Project, and to set forth the Consultant's recommendations.

e. As per Attachment "D", furnish the Preliminary Study and Report and a general opinion of probable construction cost opinion to the Owner.

2. Upon receipt of the Preliminary Study and Report and before the Consultant is authorized to proceed with the Preliminary Design Phase, the Owner at its option may designate in writing various construction contracts into which the Project shall be divided, each of which may include one or more of the above listed improvements to be constructed. If the Owner designates various construction contracts into which the Project is to be divided, the Consultant shall thereafter treat each construction contract as a separate Project under this Agreement. Each construction contract shall be separately bid and the Consultant shall prepare separate preliminary design, and final design drawings, specifications, proposal forms, notices to bidders, construction contract documents, and other required documents for each construction contract.
3. As identified in the Scope of Work in Attachment "A", the Consultant shall investigate the extent and character of any potential soil or water contamination on the properties identified in the Scope of Work, conduct asbestos investigations, environmental site assessments, and provide other environmental engineering services as required and authorized. Services not included in the original scope of work shall be considered Additional Services. The Consultant shall perform such professional services as may be necessary to accomplish the work required to be performed under this Agreement, in accordance with this Agreement, applicable Texas Commission on Environmental Quality and Texas Department of State Health Services Regulations, and any and all applicable state, federal and local laws. The Consultant shall develop an Investigation Plan for the identified properties. Upon approval of the Investigation Plan by the City, the City shall arrange to issue a Notice to Proceed for the Consultant to proceed in relation to an identified property.

PHASE I - PRELIMINARY DESIGN PHASE

Upon receipt of the Owner's written authorization to proceed with the **Preliminary Design Phase**, the Consultant shall do the following separately for each construction contract:

1. Consult with the Owner to determine the Owner's requirements for the Project.

ATTACHMENT "C"
AGREEMENT FOR CONSULTING SERVICES

CITY CLERK DEPT.
07 SEP 10 AM 11:06

2. Provide at the Consultant's sole expense right-of-way surveys, boundary surveys, topographic surveys, drainage surveys, and soil investigations as needed to design the Project and as required by the Scope of Work of the Agreement; obtain all available information from all utility companies and other affected agencies including, but not limited to, the Texas Department of Transportation and the U.S. Department of Interior, Bureau of Reclamation, as needed to complete the proper design. This does not, however, include property surveys and legal descriptions as needed to acquire additional right-of-way or additional property.
3. Obtain all available horizontal and vertical locations of public utilities, and fully coordinate design of the Project with public utilities in an effort to minimize relocation of utilities as much as possible.
4. Make drawings from field measurements of existing construction when required for planning additions or alterations thereto.
5. Provide consultation and advice as to the necessity of providing or obtaining other services such as the types described herein, and act as the Owner's representative in connection with any such services, and if concurred with and authorized by the Owner, provide, procure, or assist in procuring such Additional Services.
6. Review with the Owner alternative approaches in regard to the construction of the Project. The Owner at its option may designate in writing various construction contracts into which the Project shall be divided. The Consultant may request additional reasonable compensation if the Owner designates various construction contracts into which the Project is to be divided. The Consultant shall thereafter treat each construction contract as a separate Project under this Agreement. Each construction contract shall be separately bid and the Consultant shall prepare separate preliminary design, pre-final design, and final design specifications, proposal forms, notices to bidders, construction contract documents, and other required documents for each construction contract.
7. Prepare for approval by the Owner preliminary design documents consisting of evaluation of existing structural report, design criteria, drawings, and outline specifications to develop, and establish the scope of each construction contract.
8. Prepare a detailed opinion of probable construction costs for each construction contract containing the main construction components, based on the information given in the preliminary design documents.
9. As per Attachment "D", furnish copies of the above preliminary design documents and opinion of probable construction costs for each construction contract. If the above preliminary design documents are not approved by the Owner, the Consultant shall furnish copies of the resubmitted preliminary design documents at no additional cost to the Owner.

CITY CLERK DEP
07 SEP 10 AM 11:06

ATTACHMENT "C"
AGREEMENT FOR CONSULTING SERVICES

PHASE II - PRE-FINAL DESIGN PHASE

Upon receipt of the Owner's written authorization to proceed with the Pre-Final Design Phase, the Consultant shall do the following separately for each construction contract:

1. Prepare required documents and assist the Owner in obtaining approval of such governmental authorities as may have jurisdiction over the design criteria applicable to each construction contract. The Consultant's assistance in obtaining such approvals shall include participation in submissions to and negotiations with the appropriate authorities. The Consultant shall be fully responsible for coordination with all utility companies to resolve conflicts pertaining to location of utility lines and shall exercise customary and usual professional care for obtaining utility clearances. Since some utility locations may not be recorded or mapped, additional efforts to locate utilities maybe required as an additional service upon written approval of the Owner.
2. On the basis of the approved preliminary design documents and subject to approval of design criteria, prepare for incorporation in the construction contract documents detailed drawings and plans, hereinafter called the "**Drawings**," to show the character and scope of the work to be performed by construction contractors on each construction contract, instructions to bidders, general conditions, special conditions, and technical provisions, hereinafter called "**Specifications**." These plans shall include the required cross sections from actual fieldwork for estimated earthwork quantities.
3. Advise the Owner of any adjustment to the Consultant's previous opinion of probable construction costs for each construction contract caused by changes in scope, design requirements, general market conditions, or construction costs and furnish a revised opinion of probable construction costs, based on the completed Drawings and Specifications. The Consultant expressly authorizes any person designated by the Owner to review at any time prior to the Bidding Phase any opinion of probable construction costs made by the Consultant. The Consultant agrees to cooperate fully in such review, and shall furnish the access to all pertinent information upon which the Consultant's cost opinions were based. In addition, detailed estimates to include orderly presented takeoff sheets, summary and main summary sheets are to be provided to the Owner. Nothing in this provision shall be construed as limiting or waiving the right of the Owner to obtain such information at any other time, or as relieving the Consultant of the responsibility of preparing opinions of probable construction costs. The Owner understands that the Consultant has no control over the cost of availability of labor, equipment, market conditions, or the contractor's method of pricing and that the Consultant's opinion of probable construction costs are made on the basis of professional judgment and experience. The Consultant makes no warranty that the bids will not vary from the opinion of probable construction costs.
4. Prepare proposal forms.

ATTACHMENT "C"
AGREEMENT FOR CONSULTING SERVICES

CITY CLERK D
07 SEP 10 AM 11:00

5. As per Attachment "D", furnish to the Owner copies of the Drawings for review by the Owner, other governmental authorities, and the public utilities. If the Drawings are not approved by the Owner, the Consultant shall furnish copies of the resubmitted Drawings at no additional cost to the Owner. Furnish to the Owner copies of the Specifications and copies of the design analysis showing all engineering calculations for review by the Owner, other governmental authorities who may have jurisdiction over each construction contract, and the public utilities.

PHASE III - FINAL DESIGN PHASE

Upon receipt of the Owner's written authorization to proceed with the Final Design Phase, the Consultant shall do the following separately for each construction contract:

1. Incorporate changes requested by the Owner and other governmental authorities after review of pre-final design documents and perform redesign necessitated by public utility conflicts.
2. Coordinate closely with utility companies during the Preliminary Design and Pre-Final Design Phases. The amount of redesign necessary to accommodate utility company comments on the pre-final design drawings is expected to be in proportion to the effectiveness of that coordination and is to be performed by the Consultant as part of the Final Design Phase of this Agreement. The Consultant shall obtain written utility clearance from all utility companies affected by the scope of this Project as part of the Final Design Phase of this Agreement.
3. As per Attachment "D", furnish to the Owner copies of final design Drawings and Specifications for review and approval prior to the reproduction for bidding purposes.
4. As per Attachment "D", furnish to the Owner copies of the Drawings and Specifications in final approved form for bidding purposes for each construction contract.
5. Additional copies of the drawings and specifications beyond those identified in Attachment "D", required for public utilities and other agencies, will be provided by the Consultant as an Additional Service.

PHASE IV - BIDDING PHASE

Upon receipt of the Owner's written authorization to proceed with the Bidding Phase on each construction contract, the Consultant shall do the following separately for each construction contract:

1. Assist the Owner in the determination of the bidding period and bid date and provide necessary data for preparation of the notice to bidders by the Owner as required for advertising purposes.

ATTACHMENT "C"
AGREEMENT FOR CONSULTING SERVICES

CITY CLERK DEPT.
07 SEP 10 AM 11:06

2. Assist the Owner in responding to all questions from prospective bidders concerning the Drawings and Specifications.
3. Attend a pre-bid conference, if any, to explain the Project and to answer questions regarding the Project.
4. Prepare addenda to the Drawings and Specifications as may be required during the advertising period. Any addenda issued shall be approved by all agencies having approval authority over the Drawings and Specifications. As per Attachment "D", deliver copies of all addenda to the Owner for appropriate action.
5. As identified in Attachment "A", assist the Owner in evaluating bids, including obtaining and providing to the Owner reasonably available information as to the quality, ability, and performance record of the three lowest responsible bidders or assist the Owner in rating all bidders using Best Value Evaluation Criteria provided by the Owner, including obtaining and providing to the Owner reasonably available information as to the quality, ability, and performance record of the bidders. If Best Value Evaluation Criteria are required after the consulting fees have been negotiated and accepted, Consultant may request Additional Services fees.
6. Advise the Owner concerning the acceptability of subcontractors and other persons and organizations proposed by the general construction contractor for those portions of the work for which such acceptability is required by the construction contract documents.

PHASE V - CONSTRUCTION PHASE

The Construction Phase, for each construction contract, shall commence with the award of the construction contract and shall terminate upon written approval of final payment by the Owner, except that this phase may be extended, if required, by agreement between the Consultant and the Owner. During the Construction Phase the Consultant shall:

1. Attend the pre-construction conference to assist the Owner in responding to all questions from the construction contractor.
2. Advise and consult with the Owner and act as the Owner's representative as provided in the general conditions of the Agreement included in the construction contract. Such general conditions shall be the Owner's standard general conditions for construction projects, with such changes and modifications as may be made in such general conditions being agreed to by both the Consultant and the Owner.
3. Unless otherwise stipulated in Attachment "A", Scope of Services, the Consultant will stake one set of control stakes for the construction contractor.
4. Visit each construction site at least once each week or more frequently, if necessary, to observe the progress and quality of the executed work and to determine if such work

CITY CLERK DE
07 SEP 10 AM 11:00

ATTACHMENT "C"
AGREEMENT FOR CONSULTING SERVICES

meets the essential performance and design features and the technical and functional requirements of the construction contract documents. The Consultant shall provide the Owner with typed or printed field notes for each construction site visit. On the basis of these on-site observations, the Consultant shall endeavor to guard the Owner against apparent defects and deficiencies in the permanent work constructed by the construction contractor. The Consultant shall not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the work, and shall not be responsible for the construction means, methods, techniques, sequences, or procedures, or the safety precautions incident thereto. The Consultant's efforts shall be directed toward providing assurance for the Owner that each completed construction contract shall conform to the engineering requirements of the construction contract documents. However, the Consultant shall not be responsible for the construction contractor's failure to perform the construction work in accordance with the construction contract documents.

Nothing in this Agreement shall be construed as requiring the Consultant to assume responsibility for or to guarantee the complete adherence of the construction contractor to the Drawings and Specifications and the construction contract documents.

5. Review shop drawings diagrams, illustrations, brochures, catalog data, schedules, and samples, the results of tests and inspections and other data which the construction contractor is required to submit, for conformance with the design concept of each construction contract and compliance with the information given in the construction contract documents. **Such review must be complete within ten City working days following receipt of submittal documents.** The Consultant shall also assemble maintenance and operating instructions, schedules, guarantees, bonds, certificates of inspection, and other documents that the construction contractor is required to submit in accordance with the construction contract documents.
6. Issue the Owner's instructions to the construction contractor when required to do so, prepare routine change orders to include independent detailed opinion of probable construction cost for the Owner's approval as required after securing approval of all agencies having approval authority over each construction contract. The Consultant shall require, as the Owner's representative and subject to the written concurrence by the Owner, special inspection or testing of the work, whether or not fabricated, installed, or completed and shall act as interpreter of the terms and conditions of the construction contract documents, subject to the Owner's interpretation of such terms and conditions. If the Owner authorizes such testing, it shall be addressed under the provisions of Additional Services of the Consultant.
7. Based on the Consultant's on-site observations as an experienced and qualified design professional and on review of the construction contractor's applications for payment and supporting data, determine the amount owing to the construction contractor and recommend in writing payment to the construction contractor in such amounts; such recommendation of payment to constitute a representation to the Owner, based on such

ATTACHMENT "C"
AGREEMENT FOR CONSULTING SERVICES

CITY CLERK DEPT.
07 SEP 10 AM 11:06

observations and review, that the work has progressed to the point indicated and that, to the best of the Consultant's knowledge, information and belief, the quality of the work is in accordance with the construction contract documents, subject to an evaluation of the work as a functioning project upon substantial completion, to the results of any subsequent tests called for in the construction contract documents and to any qualifications stated in his approval. By recommending an application for payment, the Consultant shall not be deemed to have represented that the Consultant has made any examination to determine how or for what purposes the construction contractor has used the monies paid on account of each construction contract price.

8. Conduct with the Owner and construction contractor no more **than two brief preliminary inspections**, at times requested by the construction contractor to determine if the Project is ready for final inspection.
9. Schedule and conduct with the Owner, including representative of the City Engineer and the using department and the construction contractor, a final inspection of the Project and prepare and publish a "punch list" of minor deficiencies to be corrected prior to final payment to the construction contractor. The "**punch list**" shall be furnished to the construction contractor and the Owner within **two City working days** after the final inspection.
10. Issue a "Certificate of Substantial Completion" using EJCDC document 1910-8-D (1983 version) when the final inspection reveals that the Project is substantially complete and fully usable for its intended purpose with only minor deficiencies to be corrected. The certificate shall be issued within **two City working days** after the final inspection.
11. Monitor and verify proper correction of all punch list deficiencies. Notify the Owner in writing when all deficiencies have been corrected, and when warranty, maintenance, and operating instructions and other documents have been submitted by the construction contractor. Act on and forward the construction contractor's final invoice for payment.
12. Furnish the Owner one set of reproducible (**D format**) "record" drawings **on Mylar** showing changes made during the construction process, based on the marked-up prints, drawings, and other data furnished by the construction contractor to the Consultant. Also provide project documents in acceptable electronic media format
13. Make written recommendations to the Owner on all claims relating to the execution and progress of the construction work.
14. Notify the Owner of all permanent work which does not conform to the result required in each construction contract; prepare a written report describing any apparent nonconforming permanent work, and make recommendations to the Owner for its correction and, at the Owner's request, have recommendations implemented by the construction contractor.

ATTACHMENT "C"
AGREEMENT FOR CONSULTING SERVICES

CITY CLERK DEPT.
07 SEP 10 AM 11:06

ADDITIONAL SERVICES OF THE CONSULTANT

GENERAL

If authorized in writing by the Owner, through written amendment, the Consultant shall perform or obtain Additional Services noted below, which are not covered within the Agreement. No claim for Additional Services or cost shall be allowed unless the same was done pursuant to a written authorization dated prior to the Additional Services or cost and which was authorized pursuant to the policies and procedures of the Owner (i.e., passage by City Council). The Owner shall pay for such Additional Services as indicated in the Agreement.

1. Furnish core borings, probings, and hydrographic surveys; laboratory testing; inspection of samples or materials; and other special consultations.
2. Furnish property surveys and legal descriptions as needed to acquire additional right-of-way or additional property.
3. Provide Additional Services due to significant changes in the general scope of the Project or its design including, but not limited to, changes in size, complexity, or character of construction if the changes are inconsistent with approvals or instructions previously given by the Owner including revisions made necessary by adjustments in the Owner's scope or budget, except where the Consultant's preliminary study and report, preliminary design, pre-final design, or final design cost opinions exceed the budgeted amount, or in the case where all responsible bids exceed the Consultant's final design cost opinions by **ten percent** or more.
4. Revise previously approved studies, reports, design documents, drawings, or specifications, except when said revisions are required as a result of errors, negligence, or other fault on the part of the Consultant.
5. Prepare documents for alternate bids requested by the Owner for construction work for which bids have not been awarded.
6. If Best Value Evaluation Criteria are required after the Consulting fees have been negotiated and accepted, the Consultant may request Additional Service fees.
7. Prepare detailed renderings, exhibits, or scale models for the Project, except as otherwise required herein
8. Furnish additional copies of studies, reports, and additional prints of Drawings and Specifications in excess of those required herein.
9. Furnish additional tests and inspections, in excess of those required herein during the Construction Phase.

ATTACHMENT "C"
AGREEMENT FOR CONSULTING SERVICES

CITY CLERK DEPT.
07 SEP 10 AM 11:06

10. Provide investigations involving detailed consideration of operation, maintenance, and overhead expenses as well as the preparation of rate schedules, earnings and expense statements, feasibility studies, appraisals and valuations, detailed quantity surveys of material or labor.
11. Prepare change orders requiring additional significant design changes not provided for in the Agreement, requested by the Owner.
12. Inspect each construction contract site prior to expiration of the guarantee period and report, in written form, observed discrepancies under guarantees provided by the construction contractor.
13. Provide additional or extended services during construction made necessary by: **a)** work damaged by fire or other cause during construction; **b)** prolongation of the construction contract time by more than **twenty-five percent** provided that such prolongation is not caused by errors, negligence, or other fault on the part of the Consultant; **c)** Acceleration of the work schedule involving services beyond normal city working hours; or **d)** the construction contractor's default under the construction contract due to delinquency or insolvency.
14. Provide extensive assistance in the initial start-up and test operation of equipment or devices and the preparation of manuals of operation and maintenance.
15. Serve as an expert witness for the Owner in any litigation or other proceeding involving the Project.
16. Provide Additional Services in connection with the Project not otherwise provided for in this Agreement, except where those services are required as a result of negligence or other fault on the part of the Consultant.

RESIDENT PROJECT SERVICES

1. If directed in writing by the Owner, one or more full-time Resident Project Representatives shall be furnished and directed by the Consultant in order to provide more extensive representation at each construction site during the Construction Phase. Such resident project representation shall be paid for by the Owner.
2. The duties and responsibilities and the limitations on the authority of the Resident Project Representative shall be as set forth in writing by the City Engineer before such services begin.
3. Through the continuous on-site observations of the work in progress and field checks of materials and equipment by the Resident Project Representative, the Consultant shall endeavor to provide further protection for the Owner against defects and deficiencies in

ATTACHMENT "C"
AGREEMENT FOR CONSULTING SERVICES

CITY CLERK DEPT.
07 SEP 10 AM 11:06

the work of the construction contractors, but the furnishings of such resident project representation shall not make the Consultant responsible for the construction contractor's failure to perform the construction work in accordance with the construction contract documents.

ATTACHMENT "D"
PAYMENT AND DELIVERABLE SCHEDULES

CITY CLERK DEPT.
07 SEP 10 AM 11:06

For the Project known as "**CIVIL ENGINEERING CONSULTING SERVICES**", hereinafter referred to as the Project, the Owner will compensate the Consultant an amount not to exceed **SEVEN HUNDRED FIFTY THOUSAND AND 00/100 DOLLARS (\$750,000.00)** for all Basic Services and reimbursables noted within the Agreement and its attachments.

PAYMENT SCHEDULE

The compensation for each phase of the basic services on each project shall be made in proportion to the services performed for that project's phase.

Payment for each Phase shall be made on a monthly basis. The Owner shall make payments upon presentation of the Consultant's detailed Invoice and accompanying Summary and Progress Report and the Owner's written approval.

DELIVERABLE SCHEDULE

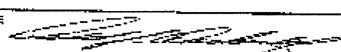
The Owner shall specify the time schedule and deliverables for each project. The Owner and Consultant shall agree upon the fee for deliverables.

ACORD ™ CERTIFICATE OF LIABILITY INSURANCE		DATE (MM/DD/YYYY) 6/5/2007
PRODUCER Rogers & Belding Insurance Agency, Inc. 2505 East Missouri El Paso, TX 79903	(915) 544-3111	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.
INSURED Moreno Cardenas, Inc. 2505 E. Missouri, Ste. 109 El Paso, TX 79903	INSURERS AFFORDING COVERAGE	NAIC # 38253
	INSURER A: Hartford Lloyds	
	INSURER B: Hartford Underwriters Insurance Company	
	INSURER C:	
	INSURER D:	
	INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR ADOPT LTB INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS MADE <input checked="" type="checkbox"/> OCCUR GENL AGGRPGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROD <input type="checkbox"/> LOC	65SBACB8395	11/19/2006	11/19/2007	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (EA occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	65SBACB8395	11/19/2006	11/19/2007	COMBINED SINGLE LIMIT (EA accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC \$ AUTO ONLY: AGG \$
A	EXCESS/UMBRELLA LIABILITY <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE DEDUCTIBLE RETENTION \$ 10,000	68SBACB8395	11/19/2006	11/19/2007	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/OWNER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below OTHER	65WECEX8645	11/19/2006	11/19/2007	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS					

CERTIFICATE HOLDER	CANCELLATION
City of El Paso Attn: Irene Ramirez, P.E. Two Civic Center Plaza, 4th Floor El Paso, TX 79901-	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES. AUTHORIZED REPRESENTATIVE 

07 SEP 10 AM 11:06
 CITY CLERK DEPT.

IMPORTANT

If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

DISCLAIMER

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

CITY CLERK DEPT.
07 SEP 10 AM 11:06

ACORD CERTIFICATE OF LIABILITY INSURANCE		DATE (MM/DD/YYYY) 06/06/07
PRODUCER USI Southwest 7600-B N. Capital of Texas Hwy Suite 200 Austin, TX 78731-1184	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
INSURED Moreno Cardenas, Inc. 2505 E. Missouri, Suite 100 El Paso, TX 79903	INSURERS AFFORDING COVERAGE INSURER A: XL Specialty Insurance Company INSURER B: INSURER C: INSURER D: INSURER E:	NAIC # 37885

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR ADD'L LTR	INSR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
		GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO. SECT <input type="checkbox"/> LOC				EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Per occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMPROP AGG \$
		AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ AUTO ONLY - EA ACCIDENT \$ OTHER THAN AUTO ONLY: EA ACC \$ AGG \$
		GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN AUTO ONLY: EA ACC \$ AGG \$
		EXCESS/UMBRELLA LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE DEDUCTIBLE \$ RETENTION \$				EACH OCCURRENCE \$ AGGREGATE \$ \$ \$ \$
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below				<input type="checkbox"/> WC STATUS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A		OTHER Professional Liability	DPR9603058	12/17/06	12/17/07	\$500,000 per claim \$1,000,000 annl aggr.

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS
 *Except in the event of non payment of premium.

Project Ref: Civil Engineering Consulting Services - 2007

(See Attached Descriptions)

CERTIFICATE HOLDER

City of El Paso
 Attn: Irene Ramirez, P.E.
 Two Civic Center Plaza
 El Paso, TX 79901

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

Jenita E. Amador

07 SEP 10 AM 11:06
 CITY CLERK DEPT.

IMPORTANT

If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

DISCLAIMER

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

CITY CLERK DEPT.
07 SEP 10 AM 11:06

DESCRIPTIONS (Continued from Page 1)

Prof Liab: The aggregate limit is the total insurance available for claims presented within the policy period for all operations of insured. The limit will be reduced by payment of indemnity and expense.