

**CITY OF EL PASO, TEXAS
AGENDA ITEM
DEPARTMENT HEAD'S SUMMARY FORM**

DEPARTMENT: Engineering and Construction Management

AGENDA DATE: July 21, 2015

CONTACT PERSON NAME AND PHONE NUMBER: Irene D. Ramirez, P.E., City Engineer, 212-1831

DISTRICT(S) AFFECTED: 8

SUBJECT:

That the City Manager be authorized to sign an Agreement for Professional Services by and between the City of El Paso and Quantum Engineering Consultants, Inc., a Texas Corporation, for a project known as "Edna Avenue Street & Drainage Improvements" for an amount not to exceed One Hundred Seventy Seven Thousand Seven Hundred Eighty Seven and 96/100 Dollars (\$177,787.96); and that the City Manager be authorized to establish the funding sources and make any necessary budget transfers and execute any and all documents necessary for execution of this agreement.

BACKGROUND / DISCUSSION:

The consultant shall provide Professional Engineering and Surveying Services as follows:

1. Investigation-includes data collection, Right-Of-Way (ROW), existing utilities, research as-built drawings, drainage master drainage, coordination and meetings with city departments, utilities owners, user department, surveyor and design team, review and analyze data, project review meetings and site visits, project schematic layout, scope definition/adjustments, field survey, control points, utilities, ROW & cross-sections, and provide Geotechnical Investigation & recommendations.
2. Project Design (Preliminary, pre-final, and final Designs) - includes title sheet, horizontal & vertical controls, existing conditions & utility coordination, drainage calculations, demolition plan, street plan & profile, intersections design details, street cross-sections, storm drainage plan & profiles, illumination, signage, and striping plan, general notes, standard details, drainage details, construction sequencing plan, traffic & pedestrian plan, storm-water prevention plan, technical specifications, construction cost estimate & construction schedule, and design review meetings.
3. ADA plan reviews and consultation
4. Public Involvement – attend community meetings and provide presentation material
5. Landscape and irrigation design
6. Bidding – includes bidding activities, answering bidder's questions, prepare addenda & recommendations; attend pre-bid and pre-construction meetings

PRIOR COUNCIL ACTION:

N/A

AMOUNT AND SOURCE OF FUNDING:

\$177,787.96- PCP13ST003Y3A Street Infrastructure Plan CO's

BOARD / COMMISSION ACTION:

N/A

*****REQUIRED AUTHORIZATION*****

DEPARTMENT HEAD:

(If Department Head Summary Form is initiated by Purchasing, client department should sign also)
Information copy to appropriate Deputy City Manager

RESOLUTION

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF EL PASO:

That the City Manager be authorized to sign an Agreement for Professional Services by and between the City of El Paso and **Quantum Engineering Consultants, Inc.**, a Texas Corporation, for a project known as **"Edna Avenue Street & Drainage Improvements"** for an amount not to exceed One Hundred Seventy Seven Thousand Seven Hundred Eighty Seven and 96/100 Dollars (\$177,787.96); and that the City Manager be authorized to establish the funding sources and make any necessary budget transfers and execute any and all documents necessary for execution of this agreement.

ADOPTED THIS _____ DAY OF _____ 2015.

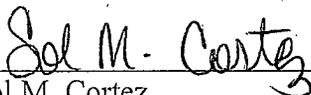
CITY OF EL PASO:

Oscar Leeser, Mayor

ATTEST:

Richarda Duffy Momsen,
City Clerk

APPROVED AS TO FORM:



Sol M. Cortez
Assistant City Attorney

APPROVED AS TO CONTENT



Irene D. Ramirez, P.E.
City Engineer

THE STATE OF TEXAS)
)
COUNTY OF EL PASO)

AN AGREEMENT FOR
PROFESSIONAL SERVICES

This Agreement is made this ____ day of _____, 2015 by and between the CITY OF EL PASO, a municipal corporation organized and existing under the laws of the State of Texas, hereinafter referred to as the "Owner", and QUANTUM ENGINEERING CONSULTANTS INC., a Texas Corporation, hereinafter referred to as the "Consultant".

WHEREAS, the Owner intends to engage the Consultant to perform professional services for a project known as "EDNA AVENUE STREET & DRAINAGE IMPROVEMENTS," hereinafter referred to as the "Project", as further described in Attachment "A"; and

WHEREAS, the Consultant has been selected to perform such services as required by the Owner, and the Consultant was selected through the Owner's selection procedure, in accordance with all applicable state and local laws and ordinances;

NOW, THEREFORE, for the consideration set forth in this Agreement and its attachments, the Owner and Consultant agree as follows:

ARTICLE I.
ATTACHMENTS

1.1 The attachments listed herein and attached to this Agreement are incorporated herein by reference for all purposes.

Attachment "A"	Scope of Services and Project Budget
Attachment "B"	Consultant's Fee Proposal and Hourly Rates
Attachment "C"	Consultant's Basic and Additional Services
Attachment "D"	Payment and Deliverable Schedules
Attachment "E"	Certificate of Insurance

ARTICLE II.
PROJECT

2.1 The Owner hereby agrees to retain the Consultant and the Consultant agrees to perform professional services for the Project as professional consultant for the Project. The Project shall consist of the Consultant's completion of the Scope of Services as further described in Attachment "A". Such Scope of Services shall be completed in accordance with the identified phases described in Attachment "D".

2.2 In completion of such phases, the Consultant shall comply with the City of El Paso Engineering Department Construction Document Guidelines in effect on the execution date of

this Agreement in the performance of the services requested under the Design Phase of this Agreement. Such Guidelines are available in the Engineering Department.

2.3 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.

2.4 The Owner shall provide all available information to the Consultant, as to the Owner's requirements for each construction contract. The Owner shall also provide to the Consultant, all known information pertinent to the Project site, including previous reports and other data relative to design, such as "as-built" drawings or physical conditions now existing at the Project site. In performing its services, the Consultant will be entitled to rely upon the accuracy of the Owner provided information.

2.5 The Owner hereby designates the City Engineer of the City of El Paso as the Owner's representative with respect to the professional services to be provided by the Consultant pursuant to this Agreement. The City Engineer shall have complete authority to transmit instructions, receive information, interpret and define Owner's policies, and decisions with respect to materials, equipment, elements, and systems pertinent to the work covered by this Agreement. City Engineer will render written decisions within a five working days time period.

ARTICLE III. CONSULTANT FEES AND PROJECT BUDGET

3.1 **PAYMENT TO CONSULTANT.** The Owner shall pay to the Consultant an amount not to exceed ONE HUNDRED SEVENTY SEVEN THOUSAND SEVEN HUNDRED EIGHTY SEVEN AND 96/100 DOLLARS (\$177,787.96) for all basic services and reimbursables performed pursuant to this Agreement. The Consultant's fee proposal for the performance of all Basic Services and reimbursables is attached hereto as **Attachment "B"**. Payments to the Consultant shall be made pursuant to the schedule enumerated within **Attachment "D"**.

3.2 **CONSULTANT'S SERVICES.** The Basic Services to be provided by the Consultant for this Agreement are attached hereto as **Attachment "C"**. If authorized by the City Manager, prior to the performance of such services, the Consultant may perform such Additional Services as also enumerated within **Attachment "C"** in an amount not to exceed \$50,000.00. Additional Services exceeding \$50,000.00 must have prior approval by City Council through written amendment to this Agreement. Owner shall make payment for such Basic and Additional Services at the rates established by Consultant within **Attachment "B"**.

3.3 **CONSULTANT'S INVOICES.** The Consultant shall bill the Owner not more often than monthly, through written invoices pursuant to the schedule established in **Attachment "D"**. Invoices shall indicate the costs for outside consultants with copies of their invoices as back-up materials as well as other authorized direct costs for hourly rate contracts. All invoices shall be made in writing. Within ninety days of substantial completion of construction, all outstanding invoices for all work completed to date by the Consultant shall be submitted to the Owner.

3.3.1 Each invoice shall contain a brief summary indicating, at a minimum, the total Project budget, the total amount authorized for the Consultant, the current invoiced amount and the amount billed to date. In addition to the Summary, each invoice shall provide a Progress Report. The Progress Report shall describe, at a minimum, the progress of the Project to date also indicating the percentage of completion of each phase. The established schedule for completion shall not be revised except by written amendment to this Agreement, executed by both parties.

3.3.2 The Owner agrees to pay invoices for all services performed as soon as reasonably possible but not later than thirty (30) days from receipt. Upon dispute, however, the Owner may, upon notice to the Consultant, withhold payment to the Consultant for the amount in dispute only, until such time as the exact amount of the disputed amount due the Consultant is determined. The total amount paid to Consultant shall not exceed Consultant's fee proposal, except by written amendment to this Agreement, executed by both parties.

3.4 PROJECT CONSTRUCTION BUDGET. The Consultant acknowledges that the construction budget for this Project allocates **(TWO MILLIONS SIX HUNDRED EIGHTEEN THOUSANDS ONE HUNDRED THIRTY) AND 95/100 DOLLARS (\$2,618,130.95)** for the award of a construction contract base bid, which is to include all features essential to the operation of the Project for its intended use as described in the Scope of Services and Project budget in **Attachment "A"**. The Consultant does hereby agree to design the Project such that the Consultant's final agreed cost opinions for the construction of the Project, including all features essential to its intended use, is within the above budgeted amount for the base bid. If the Consultant's cost opinions exceed the Project Budget at any time, the Consultant shall make recommendations to the Owner to adjust the Project's size or quality and the Owner shall cooperate with the Consultant to adjust the scope of the Project. If all responsible bids exceed the City approved Consultant's final cost opinions by more than **ten percent (10%)**, the Consultant agrees, at the direction of the Owner, to redesign the Project without additional charge to the Owner in order to bring the Project within the budgetary limitations.

3.5 COSTS NOT ENUMERATED. Except as specifically set forth in this Agreement and its attachments, all costs related to the completion of the services requested herein shall be borne by the Consultant and not passed on to the Owner or otherwise paid by the Owner, unless a written amendment to this Agreement is executed by both parties allowing for additional costs.

ARTICLE IV. PERIOD OF SERVICE AND TERMINATION

4.1 PERIOD OF SERVICE. The services called for by each phase shall begin upon the issuance of a Notice to Proceed from the City Engineer. The Consultant shall complete the requested services in accordance with the timelines and schedules outlined in **Attachments "C" and "D"**. **FOR REQUIREMENTS CONTRACTS ONLY: The term of this Agreement shall be for a period not to exceed N/A () consecutive calendar days, except as specifically noted herein.**

4.2 SUSPENSION. Barring an early termination as provided herein, this Agreement shall remain in force: a) For a period which may reasonably be required for the design, award of construction contracts, and construction of the improvements included in all construction contracts, including extra work and required extensions thereto; or b) Unless construction has not begun within a period of **twelve (12) months** after the completion of the services called for in that phase of work last authorized. However, should the Consultant's services be suspended for a period longer than six months, the City and Consultant may renegotiate remaining fees due to changes in salaries or increased costs that may occur during the suspension period. The Owner may determine that this Agreement will remain in full force past the twelve-month period noted above. Such a determination will be based upon the individual circumstances of this Project and this Agreement.

4.3 TERMINATION. This Agreement may be terminated as provided herein.

4.3.1 TERMINATION BY OWNER. It is mutually understood and agreed by the Consultant and Owner that the Owner may terminate this Agreement, in whole or in part for the convenience of the Owner, upon **fourteen (14) consecutive calendar days** written notice. It is also understood and agreed that upon such notice of termination, the Consultant shall cease the performance of services under this Agreement. Upon such termination, the Consultant shall provide one final invoice for all services completed and reimbursable expenses incurred prior to the Owner's notice of termination. Owner shall compensate Consultant in accordance with this Agreement; however, the Owner may withhold any payment to the Consultant that is held to be in dispute for the purpose of setoff until such time as the exact amount due the Consultant from the Owner is determined. Nothing contained herein, or elsewhere in this Agreement shall require the Owner to pay for any services that are not in compliance with the terms of this Agreement and its attachments.

4.3.2 TERMINATION BY EITHER PARTY. It is further understood and agreed by the Consultant and Owner that either party may terminate this Agreement in whole or in part. Such a termination may be made for failure of one party to substantially fulfill its contractual obligations, pursuant to this Agreement, and through no fault of the other party. No such termination shall be made, unless the other party being terminated is granted: a) written notice of intent to terminate enumerating the failures for which the termination is being sought; b) a minimum of **seven (7) consecutive calendar days** to cure such failures; and c) an opportunity for consultation with the terminating party prior to such termination. However, the Owner retains the right to immediately terminate this Agreement for default if the Consultant violates any local, state, or federal laws, rules or regulations that relate to the performance of this Agreement. In the event of termination by the Owner pursuant to this subsection, the Owner may withhold payments to the Consultant for the purpose of setoff until such time as the exact amount due the Consultant from the Owner is determined.

4.3.3 TERMINATION SHALL NOT BE CONSTRUED AS RELEASE. Termination by either party shall not be construed as a release of any claims that the terminating party may be lawfully entitled to assert against the terminated party. Further,

the terminated party shall not be relieved of any liability for damages sustained by the terminating party by virtue of any breach of this Agreement.

**ARTICLE V.
INSURANCE AND INDEMNIFICATION**

5.1 INSURANCE. The Consultant shall have **seven (7) calendar days** from date of award to obtain sufficient insurance as required herein. Consultant shall not commence work under this Agreement until the Consultant has obtained the required insurance and such insurance has been approved by the Owner. The Consultant shall maintain the required insurance throughout the term of this Agreement. Failure to maintain said insurance shall be considered a material breach of this Agreement.

5.1.1 WORKERS' COMPENSATION INSURANCE. The Consultant shall procure and shall maintain during the life of this Agreement, Workers' Compensation Insurance as required by applicable Texas law for all of the Consultant's employees to be engaged in work under this Agreement. The Consultant shall provide the following endorsement:

"The policy is endorsed to provide that insurer waives any right of subrogation it may acquire against the Owner, its partners, agents and employees by reason of any payment made on or account of injury, including death resulting therefrom, sustained by any employee of the insured."

5.1.2 COMMERCIAL LIABILITY, PROPERTY DAMAGE LIABILITY AND AUTOMOBILE LIABILITY INSURANCE. The Consultant shall procure and shall maintain during the life of this Agreement such Commercial General Liability, Property Damage Liability and Automobile Liability Insurance as shall protect the Consultant and the Consultant's employees performing work covered by this Agreement from claims for damages for personal injury, including accidental death, as well as from claims for property damages, which may arise from operations under this contract, whether such operations be by the Consultant or by anyone directly or indirectly employed by the Consultant. The minimum limits of liability and coverages shall be as follows:

- a) **COMMERCIAL GENERAL LIABILITY**
 - Personal Injury or Death**
 - \$1,000,000.00 for one person or occurrence
 - \$1,000,000.00 for two or more persons or occurrences
 - Property Damage**
 - \$1,000,000.00 per occurrence
 - General Aggregate**
 - \$1,000,000.00

- b) **AUTOMOBILE LIABILITY**
 - Combined Single Limit**
 - \$1,000,000.00 per accident

5.1.3 PROFESSIONAL LIABILITY INSURANCE. The Consultant shall procure and shall maintain, at the Consultant's sole expense, Professional Liability Insurance for the benefit of the Owner to cover the errors and omissions of the Consultant, its principals or officers, agents or employees in the performance of this Agreement with a limit of ONE MILLION AND 00/100 DOLLARS (\$1,000,000.00) on a claims made basis.

5.1.4 OWNER AS ADDITIONAL INSURED. The Owner shall be named as an Additional Insured on all of the Consultant's Insurance Policies, with the exception of Workers' Compensation and Professional Liability Insurance required by this Contract.

5.1.5 PROOF OF INSURANCE. The Consultant shall furnish the City Engineer with certificates showing the type of insurance coverages, limits on each insurance policy, class of operations covered under each insurance policy, effective dates and expiration dates of policies, insurance companies providing the insurance coverages, name of agent/broker and include confirmation of any endorsement(s) required in this agreement.

5.1.6 GENERAL INSURANCE PROVISIONS. All certificates shall also include the name of the project on the corresponding insurance certificate. Further, each certificate shall contain the following statement:

"The insurance covered by this certificate will not be canceled, and there will be no change in coverage or deductibles, except after thirty (30) consecutive calendar days written notice of intent to cancel or change said insurance has been provided to the City of El Paso.

5.2 INDEMNIFICATION. To the fullest extent permitted by law, Consultant shall indemnify and hold harmless Owner, and Owner's officers, directors, partners, agents consultants, and employees from and against any claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court, arbitration, or other dispute resolution costs) arising out of or relating to the Project, provided that any such claim, cost, loss, or damage is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property (other than the Work itself), but only to the extent caused by any negligent act or omission of Consultant or Consultant's officers, directors, partners, agents, consultants or employees. This indemnification provision is subject to and limited by the provisions agreed to by Owner and Consultant, as noted below. The Consultant shall not be responsible for any acts of any of the City's Independent Project Managers.

To the extent allowed by state law, the Owner will be responsible for its own actions.

5.2.1 CONSULTANT'S LIABILITY LIMITED TO AMOUNT OF INSURANCE REQUIREMENTS. Consultant shall procure and maintain insurance as required by and set forth in the terms and conditions of this Agreement. Notwithstanding any other provision of this Agreement, and to the fullest extent permitted by law, the total liability, in the aggregate, of Consultant and Consultant's officers, directors, partners, employees,

agents, and consultants (hereafter referred to collectively as "Consultant"), to Owner and anyone claiming by through, or under Owner for any and all claims, losses, costs, or damages, whatsoever arising out of, resulting from or in any way related to the Project or the Agreement from any cause or causes, including but not limited to the negligence, professional errors or omissions, strict liability or breach of contract, or warranty express or implied of Consultant (hereafter "Owner's Claims"), shall not exceed the total insurance proceeds paid on behalf of or to Consultant by Consultant's insurers in settlement or satisfaction of Owner's Claims under the terms and conditions of Consultant's insurance policies applicable thereto (excluding fees, costs and expenses of investigation, claims adjustment, defense, and appeal). If no such insurance coverage is provided with respect to Owner's Claims, then the total liability, in the aggregate, of Consultant to Owner and anyone claiming by, through, or under Owner for any and all such uninsured Owner's claims shall not exceed \$250,000.00 per person or \$500,000.00 per incident with property damage liability limited to \$100,000.00 per incident.

ARTICLE VI. FEDERAL PROVISIONS

6.1 COMPLIANCE WITH APPLICABLE LAWS - FEDERAL FUNDING REQUIREMENTS

Consultant, at Consultant's sole expense, agrees that it will operate and perform its responsibilities and covenants under this Agreement in accordance with applicable laws, rules, orders, ordinances, directions, regulations and requirements of federal, state, county and municipal authorities, now in force or which may hereafter be in force, including, but not limited to, those which shall impose any duty upon the Owner or Consultant with respect to the use of federal funds and nondiscrimination in the administration of contracts which are funded, in whole or in part, with federal funds.

Specifically, and not in limitation of the foregoing, Consultant agrees that to the extent required by any agreement between the Owner and any Federal agency, the laws of the federal government of the United States of America and the rules and regulations of any regulatory body or officer having jurisdiction over this Project, **including but not limited to:**

--The Federal Transit Administration (FTA) through a Grant Agreement or Cooperative Agreement with the Owner, or supported by FTA through a Loan, Loan Guarantee, or Line of Credit with the Owner.

--The Department of Housing and Urban Development through a Grant Agreement or Cooperative Agreement with the Owner.

--The Federal Aviation Administration through a Grant Agreement or Cooperative Agreement with the Owner.

Copies of grant assurances will be made available to Consultant. However, provided copies shall in no way be a limitation on the Consultant's obligation to comply with any Federal

agency, the laws of the federal government of the United States of America and the rules and regulations of any regulatory body or officer having jurisdiction over this Project.

6.1.1 CONTRACT ASSURANCE. The Consultant or subconsultant shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the consultant to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate.

6.1.2 DBE GOOD FAITH EFFORTS. The requirements of 49 CFR Part 26, regulations of the U.S. DOT, applies to this contract. It is the policy of the Owner to practice nondiscrimination based on race, color, sex or national origin in the award of performance of this contract. All firms qualifying under this solicitation are encouraged to submit proposals. Award of this contract will be conditioned upon satisfying the requirements of this proposal. These requirements apply to all offerors, including those who qualify as a DBE. A DBE contract goal of 0.0% has been established for this contract. The offeror shall make good faith efforts, as defined in Appendix A, 40 CFR Part 26, to meet the contract goal for DBE participation in the performance of this contract.

The offeror will be required to submit the following information: (1) the names and addresses of DBE firms that will participate in the contract; (2) a description of the work that each DBE firm will perform; (3) the dollar amount of the participation of each DBE firm participating; (4) written documentation of the offeror's commitment to use a DBE subconsultant whose participation it submits to meet the contract goal; (5) written confirmation from the DBE that it is participating in the contract as provided in the commitment made under (4); and (6) if the contract goal is not met, evidence of good faith efforts. The offeror shall submit the information with its proposal as a condition of responsiveness.

DBE participation in this contract may be in the form of a prime contract, subcontract, joint venture, or other arrangement that qualifies under 49 CFR Section 26.55 or 26.53(g), both of which will be submitted on a Letter of Intent to the Owner.

6.2 TERMINATION FOR CANCELLATION OF GRANT.

Should this Agreement be terminated as a result of cancellation of federal funds covering this Project, the Owner shall promptly notify the Consultant of the cancellation by certified mail-return receipt requested, whereupon the Consultant shall immediately, on receipt of the letter, cease and desist from performing any other work or services hereunder. In such an event, the Consultant will be paid for professional services performed to such date, upon furnishing the Owner a progress report and an invoice to such date, and upon acceptance of the work by the Owner.

**ARTICLE VII.
GENERAL PROVISIONS**

7.1 CONTRACT TIME. Consultant understands and agrees to provide all professional services and deliverables requested herein, as expeditiously as is consistent with professional skill and care, and to use its best efforts to complete all phases of this Agreement within the time schedules indicated within **Attachment "D"**. It is acknowledged that the Consultant does not have control over all aspects of the design and construction process and cannot warrant that it will complete all services and deliverables by a certain date. The Consultant shall timely notify the City Engineer of any delay beyond its control and the City Engineer shall extend the time schedule in the event of delays which the City Engineer reasonably determines are beyond the control of the Consultant. The Consultant will perform these services with reasonable diligence and expediency consistent with sound professional practices and consistent with the schedule provided in **Attachment "D"**.

7.2 OPINION OF PROBABLE COST. As a design professional practicing in El Paso the Consultant is expected to be familiar with the cost of construction, labor, and materials in the El Paso area and of bidding and market trends. The cost opinions of construction cost provided by the Consultant, as required herein, are to be made in light of such familiarity and are expected to be within **ten percent (10%)** of the bid for the base bid item expected from the lowest responsible bidder.

The Consultant's final cost opinions for the construction of the Project, shall take into account labor costs which shall be based on the current City of El Paso prevailing wage rates as adopted by the City Council. In the event that the Project is funded with federal funds, the higher of the City of El Paso prevailing wage rates or the Davis-Bacon wage rates shall be utilized by the Consultant in compiling a final cost opinions for the Project.

If the Consultant's most recent cost opinion for any construction contract is in excess of the Project construction budget, the Owner shall give written approval of an increase in the limit, or shall cooperate in revising the Project's scope or quality, or both, to reduce the cost as required. Such revisions shall be made, and Drawings and Specifications modified by the Consultant without further compensation.

As noted herein, if all responsible bids exceed the final cost opinion by more than **ten percent (10%)**, the Consultant agrees, at the direction of the Owner, to redesign the Project without additional charge to the Owner in order to bring the Project within the budgetary limitations.

7.3 CONSULTANT'S QUALITY OF WORK. The Owner's review of any documents prepared by the Consultant is only general in nature and its option to approve and accept the work in no way relieves the Consultant of responsibility for any specific deficiencies in its professional service. The Consultant's services shall be performed as expeditiously as is consistent with professional skill and care and the orderly progress of the Project and in accordance with the time periods established in **Attachment "D"** and which shall be adjusted, if necessary, as the project proceeds. This schedule shall include allowances for periods of time required for the Owner's review, for the performance of the Owner's consultants, and for

approval of submissions by authorities having jurisdiction over the project. The identified time limits shall not, except for reasonable cause, be exceeded by the Consultant or Owner. Services provided by the Consultant under this Agreement shall be performed in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar circumstances.

7.4 COPYRIGHT AND REPRODUCTION RIGHTS. Upon payment of amounts due, the Drawings, Specifications, concepts and design, and other documents prepared by the Consultant for this Project including, without limitation, those in electronic form (sometimes referred to as the "Instruments of Service") are the property of the Owner, who shall be vested with all common law and statutory rights. The Owner shall have the right to the use of the Drawings, Specifications and other documents for the maintenance, repair, remodeling and renovation of the Project; provided however the Consultant shall have no liability for any use of one or more of the Instruments of Service by the Owner for maintenance, repair, remodeling and renovation of the project. The Owner shall have the consent of the Consultant, provided, however, the Consultant shall have no liability or responsibility for such use of the Drawings, Specifications, concepts and design, and other documents. The rights granted to the Owner herein for the use of the Drawings, Specifications and other documents for additional projects shall not grant the Owner any right to rely upon the Consultant's seal on the Drawings and Specifications or to hold the Consultant responsible for any subsequent use of the Drawings, Specifications and documents. The Consultant shall provide the Owner with copies of the Instruments of Service in both electronic form and in hard copy.

7.5 AUDITING RECORDS FOR THE SPECIFIC PROJECT. Consultant's records subject to audit shall include but not be limited to records which, in the Owner's discretion, have a bearing on matters of interest to the Owner in connection with the Consultant's work on this Project for the Owner and shall be open to inspection and subject to audit and/or reproduction by Owner's agent or its authorized representative to the extent necessary to adequately permit evaluation and verification of (a) Consultant's compliance with contract requirements, and (b) compliance with provisions for computing Direct Personnel Expense with reimbursables, if applicable.

Such records subject to audit shall also include those records necessary to evaluate and verify direct and indirect costs, (including overhead allocations) as they may apply to costs associated with this Agreement. In those situations where Consultant's records have been generated from computerized data, Consultant agrees to provide Owner's representatives with extracts of data files in computer readable format on data disks or suitable alternative computer data exchange format.

The Owner or its designee shall be entitled, at its expense, to audit all of the Consultant's records related to this Project, and shall be allowed to interview any of the Consultant's employees, pursuant to the provisions of this section throughout the term of this contract and for a period of **three (3) years** after final payment or longer if required by law. Such audits may require inspection and photo copying of selected documents from time to time at reasonable times and places.

representations or agreements, whether written or oral. This Agreement shall not be amended or modified, except by written amendment, executed by both parties.

WITNESS THE FOLLOWING SIGNATURES AND/OR SEALS:

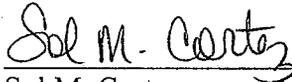
CITY OF EL PASO:

Tomás González
City Manager

CONSULTANT:
Quantum Engineering Consultants, Inc.

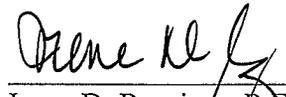
By: Robert A. Gonzales, P.E.
Title: President

APPROVED AS TO FORM:



Sol M. Cortez
Assistant City Attorney

APPROVED AS TO CONTENT:



Irene D. Ramirez, P.E.
City Engineer

(Acknowledgements on following page)

ACKNOWLEDGEMENTS

**THE STATE OF TEXAS §
 §
COUNTY OF EL PASO §**

This instrument was acknowledged before me on this ____ day of _____, 2015,
by **Tomás González, as City Manager of the City of El Paso, Texas.**

Notary Public, State of Texas

My commission expires:

**THE STATE OF TEXAS §
 §
COUNTY OF EI PASO §**

This instrument was acknowledged before me on this ____ day of _____, 2015,
by **Robert A. Gonzales, P.E., as President of Quantum Engineering Consultants, Inc.**

Notary Public, State of Texas

My commission expires:

Attachment A

SCOPE OF SERVICES

General Description:

The consultant shall prepare construction documents for street improvements on Edna Avenue. The project consists of full reconstruction of street within the right-of-way of Edna Avenue from Delta Drive to Huerta Street.

The demolition consists of removing existing sidewalk, driveways, ramps, curb and gutter, header curb, existing drainage structures (if necessary), and existing pavement structures. The parkway improvements consist of ADA compliant sidewalks and driveways, stem walls, curb and gutter, ADA ramp, and landscaping & irrigation of parkways. Roadway improvements consist of a new roadway pavement structure that shall consist of Hot Mix Asphaltic Concrete (HMAC), with base course and compacted or stabilized subgrade if necessary. Traffic improvements consist of new street signs, and striping. Street lighting improvement consist of adding more light to the existing and/or relocating some existing ones to be adequately spaced as recommended by EPDOT. All design should meet engineering standards and all applicable local codes and requirements.

Drainage Improvements shall be consistent with El Paso Water Utilities (EPWU) Storm Water Master Plan, March 2009 and El Paso County Stormwater Master Plan, August 2010 and the Clardy Fox Area Flood Control Project, June 1987. Drainage improvements may include installation of new underground storm sewer system; modification or utilization of existing system where possible.

1.0 SERVICES REQUIRED:

1.1 Investigation:

All investigations include but are not limited to geotechnical, utility coordination, drainage, the need for new utility service lines and utility easements are deemed necessary by the Engineering Department in order to complete the design or the project construction shall be performed by the designer.

1.2 Design:

Design shall meet all City requirements for the project and shall be performed in phases as presented in the section 5.0 Project Schedule below.

The consultant shall comply with the City of El Paso Subdivision Improvement Design Standards and Grading Ordinance. However the City of El Paso in this project has determined that the Consultant shall comply and pay special attention to the following design criteria.

- All roadway longitudinal slopes shall comply with the following.
 - No less than 0.5% slope
 - No more than 11% slope

- All roadways cross sectional slopes shall be 2%.

1.3 Bidding:

During the bidding process, the designer shall assist the Owner with but not limited to the following items: respond to all questions from perspective bidders, attend a pre-bid conference and prepare addenda. The bids shall be advertised as a unit price contract and selection of the bidders shall be a "low bid" selection.

1.4 Planning:

The designer shall assist the Owner in providing schedule for obtaining utility easements, and utility service lines as needed.

1.5 Soils Investigation:

The designer shall provide a subsurface soil investigation study for the project and should be submitted to the Owner for a review. Log boring information can be shown on construction documents with appropriate notes and disclaimers that will minimize change orders.

1.6 Design Analysis:

The designer shall perform design analysis for the project to ensure public safety. Furthermore, all design analysis must comply with all applicable City, County, State, and Federal laws and regulations.

1.7 ADA Compliance and Requirements

The designer shall include the services of an ADA consultant certified to perform plan review and inspections for ADA, T.A.S, and Texas Department of Licensing and Regulation requirements. The consultant shall provide a complete service for items listed on the scope of work.

1.8 Surveys

The designer shall provide all topographic and horizontal surveys for this project, including benchmarks and project controls data. The owner shall provide two(2) monuments to be utilized as datum.

1.9 Utility Services

The consultant shall prepare construction documents for new sanitary sewer service lines for all lots including existing services and in vacant lots. The purpose is to avoid future pavement cuts on the new roadway. The design of the sanitary sewer service line shall extend from the sanitary sewer service main to the right of way line. The design shall include any special connections if necessary such as utility vaults, joints, etc.. The consultant in behalf of the City of El Paso shall request from all utility companies new service lines from utility mains to right of way line on both existing services and vacant lots. Each utility company shall do the design and construction of the new service lines except for the sanitary sewer service lines. However each utility company can request that the City of El Paso include as part of the street and drainage improvement bid package the new service lines provided that the utility company sign an agreement with the City and funding is provided. The consultant shall coordinate this effort with the utility companies and advise them of the City of El Paso policy to minimize pavement cuts on new roadways. The consultant shall complete all design and coordination efforts with utility companies when the final design is submitted.

1.10 Utility Coordination

The consultant shall be responsible to coordinate design efforts with all affected utility companies. The purpose is to minimize utility relocation without compromising design standards. The consultant shall be responsible to obtain all available horizontal and vertical information on utility lines, valves, covers, manholes, etc. from the different utility companies during the preliminary design phase. These existing utility structures shall be shown on the preliminary design plan submittal. The consultant shall meet with all affected utility companies to discuss proposed design. Based on these coordination meetings and correspondence that is sent between both the consultant and utility companies the need and extent of relocation shall be determined. If a dispute arises the consultant shall immediately setup a meeting between the City of El Paso Project Manager and the utility company to resolve the dispute.

The consultant on behalf of the City of El Paso shall request from all utility companies that they relocate all lines that conflict with new improvements. However, each utility company can request that the City of El Paso include as part of the street and drainage improvement bid package the relocation of their utility lines provided that the utility company sign an agreement with the City and funding is provided. The consultant shall coordinate this effort with the utility companies and advise them of the City of El Paso policy to minimize pavement cuts on new roadways.

All correspondence and meeting minutes shall be submitted to the City of El Paso when each phase is due. Construction documents shall clearly show all existing and proposed utility lines and utility company contacts. All documents and coordination efforts by the designer shall be complete by or before the final design phase due date. The consultant shall submit all utility clearance letters from each utility company by or before the project is advertised for bid.

1.11 Storm Water Pollution Prevention Plan

The designer shall prepare and provide storm water pollution prevention plan. The designer shall be responsible to be knowledgeable on the storm water pollution prevention plan requirements. The storm water pollution prevention plan shall be submitted to the City of El Paso Development Services Department for review and approval.

1.12 Traffic and Pedestrian Control Plan

The consultant shall be responsible to prepare traffic and pedestrian control plans for City owned right of way. The consultant shall provide and produce any special specifications that shall specify general requirements for the traffic and pedestrian control plan. A requirement shall be that traffic and pedestrian control plan shall comply with national, state, and local codes and approval from the El Paso Department of Transportation (EPDOT).

1.13 Construction Sequencing Plan

The consultant shall be responsible to prepare a construction sequencing plan and submit it at all design phase submittals for review. The City of El Paso shall decide the sequence of which phases will be done first and at the end. The contractor shall not be given this option.

1.14 Construction Schedule

The consultant shall meet with City of El Paso Project Manager and Construction Manager to determine construction schedule for each phase, order of work, and which phases will be done concurrently. The meeting shall be held after pre-final plans are submitted but before Final Design Notice to proceed is issued. The information will allow consultant to prepare a current market cost estimate at the final design phase submit

2.0 PRODUCTS REQUIRED:

2.1 Drawings:

A. Preliminary Design:

Upon the completion preliminary design phase, the designer shall submit ten (10) copies of the preliminary design documents and cost estimates for approval. If the Owner does not approve the preliminary design documents, the designer shall furnish five (5) copies of the resubmitted design documents.

B. Pre-Final Design:

Upon the completion of pre-final design phase, the designer shall submit ten (10) copies of the pre-final design phase documents and updated cost estimate. If the Owner does not approve the pre-final design documents, the designer shall submit five (5) copies of the resubmitted pre-final design documents. Additionally, the designer should submit three (3) copies of the Specifications and three (3) copies of the design analysis.

C. Final Design:

Upon the completion of final design phase, the designer shall furnish to the Owner ten (10) copies of final design documents and specifications for review. After the review, the designer shall submit to the Owner three (3) copies for the final revised design documents and specifications for final check. Upon the approval of the final design documents, the designer should furnish the Owner two (2) hard copies and PDF copies of the final design documents and specifications for bidding.

2.2 Specifications:

All specifications must include type of materials listed in the construction drawings, placement method and quality control and quality assurance testing. The specification shall correlate with unit price format and shall include a measurement and payment description. All specifications must comply with established specification standards and formats.

2.3 Cost Estimates:

The designer shall develop and submit the construction cost estimates. The construction cost estimate is expected to be within ten percent (10%) of the bid for base bid item expected from the lowest responsible bidder. The designer's final estimate shall take into account all labor costs that shall be based on the current City of El Paso prevailing wage rates as adopted by the City Council.

2.4 Design Analysis:

Design analysis shall include all engineering calculations for review by the Owner, governmental authorities who may have jurisdiction over each construction contract, and public utilities.

2.5 Reproduction/Electronic Documents

The designer shall be responsible to provide all printing for the different phases for code review requirements. The corresponding electronic files for these documents shall be provided.

2.6 Bidding

The designer shall be responsible to answer all questions presented by bidders, attend pre-bid conference, evaluate bidders, provide bid analysis, provide bid recommendation. The designer shall be responsible to prepare bid addendums.

3.0 GENERAL REQUIREMENTS AND CRITERIA:

3.1 Design must meet all applicable City Codes and Ordinances.

3.2 Design must comply with Engineering & Construction Management Department Guidelines.

3.3 Design must comply with all local, state and federal laws and regulations, including the Americans with Disabilities Act.

3.4 The designer shall submit all redlines to the owner when plans submittals are due.

4.0 OTHER CONSIDERATIONS:

4.1 Work to be coordinated with the Engineering & Construction Management Department

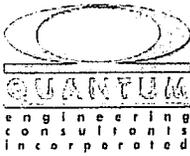
4.2 Drainage design to be coordinated with El Paso Water Utility-Storm Water Department

5.0 PROJECT SCHEDULE:

Preliminary Design Phase: 60 Working days

Pre-Final Design Phase: 45 Working days

Final Design Phase: 30 Working days



February 12, 2015 (rev. 02/18/15; 07/01/15)

City of El Paso – Engineering & Construction Management
218 N. Campbell Street, 2nd Floor
El Paso, Texas 79901

Attn: Ismael Galvez
Project Manager

Re: Edna Avenue Street & Drainage Improvements
El Paso, Texas

Dear Mr. Galvez:

Quantum Engineering Consultants, Inc., a Texas Corporation, is pleased to submit this proposal for professional Engineering and Surveying Services for the above-referenced project. Based on the City of El Paso's Agreement for Engineering Services and Engineering Department Guidelines, we propose to furnish these services for a Not-To-Exceed fee of **One Hundred Seventy-Seven Thousand, Seven Hundred Eighty-Seven Dollars and 96/100 (\$177,787.96)**. Our proposed engineering fees are broken down on the accompanying job cost worksheet.

We have also included an hourly rate schedule for Quantum Engineering Consultants, Inc. This schedule includes the rates for all QEC personnel that will be involved with this project, the rate for Full Time Inspection services and the daily rate for Expert Witness services.

This fee proposal does not include additional services as described in the City of El Paso's "Agreement for Engineering Services", nor does it include drainage studies/analyses, construction phase services, surveying and/or engineering design services or any other services not explicitly stated to be provided by our fee proposal or identified in the Item Descriptions on our breakdown of fees attached herewith.

I will serve as the Team's primary contact and will be executing the Agreement for Engineering Services. We greatly appreciate the opportunity to once again serve the City of El Paso, and look forward to working with you. Should you have any questions or require additional information, please do not hesitate to call.

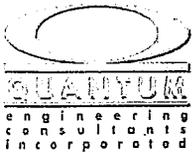
Sincerely,

A handwritten signature in black ink, appearing to read "R. Gonzales", written over a horizontal line.

Robert A. Gonzales, PE, CNU-A
President

RAG/asp

Attachments



HOURLY RATE SCHEDULE

SALARY COSTS

<u>Classification</u>	<u>Hourly Rate</u>
Expert Witness	\$210.00
Principal Engineer	\$160.00
Project Manager/Engineer	\$125.00
Senior Engineer	\$98.50
Junior Engineer	\$88.00
Senior CADD/Design Technician	\$82.50
Junior CADD/Design Technician	\$75.00
Clerical	\$55.00
Runner	\$26.00
Senior Resident Project Representative	\$98.50
Junior Resident Project Representative	\$88.00

DIRECT COSTS

<u>Description</u>	<u>Invoiced Amount</u>
Subconsultants	(cost) x 1.15
Reproduction/Copying	(cost) x 1.15
Miscellaneous (e.g., FedEx, Long Distance Telephone, etc.)	(cost) x 1.15
Mileage	\$0.56/mile



SCHEDULE OF FEES EDNA AVENUE STREET AND DRAINAGE IMPROVEMENTS

CITY OF EL PASO ENGINEERING & CONSTRUCTION MANAGEMENT DEPARTMENT
QUANTUM ENGINEERING CONSULTANTS, INC.

PREPARED: FEBRUARY 12, 2015
REVISED: FEBRUARY 18, 2015; JULY 1, 2015

RATE SCHEDULE:

Position	Per Mo	Sr Project Eng	Jr Project Eng	Sr GABG	GABG	Sec. Gen	SEE GR
	\$165.00	\$195.00	\$78.00	\$48.00	\$82.00	\$75.00	\$55.00

PHASE I - INVESTIGATION PHASE

ITEM DESCRIPTION	ESTIMATED MANHOURS BY CLASSIFICATION							TOTAL
	Principal	Prs. Mgr	Sr Project Eng	Jr Project Eng	Sr GABG	GABG	Sec. Gen	
A. Data Collection - ROW, utilities, as-builts, drainage, Stormwater Master Plan, Etc.	1.0	2.0	4.0	8.0			2.0	17.0
B. Coordination & Meetings - City Departments, utilities, EPDOT, Surveyor, Design Team, Etc.	2.0	4.0	2.0	2.0				10.0
C. Review and Analyze existing data	1.0	3.0	2.0	2.0				8.0
D. Project Review Meetings and Site Visits	2.0	4.0	6.0	6.0				18.0
E. Project Schematic Layout (Scope Definition/Adjustments)	2.0	6.0	8.0		9.0	18.0		30.0
SUB-TOTAL HOURS	8.0	19.0	22.0	18.0	2.0	14.0	8.0	89.0
RATE/HOUR	\$180.00	\$125.00	\$90.50	\$88.00	\$82.00	\$75.00	\$65.00	
COST	\$1,260.00	\$2,375.00	\$2,181.00	\$1,584.00	\$165.00	\$1,050.00	\$520.00	\$8,621.00
% MH BY CLASSIFICATION	0.64%	22.89%	28.31%	21.69%	2.41%	15.87%	0.06%	100.00%

SUBTOTAL INVESTIGATION PHASE

\$8,621.00

DIRECT COSTS	Unit	Quantity	Unit Cost	Cost
SUBCONSULTANTS:				
Sequel - Field Survey, Control Points, Utilities, ROW, Cross-Sections, Etc.	LS	1	\$20,551.00	\$20,551.00
COC - Geotechnical Investigation	LS	1	\$17,961.00	\$17,961.00
SUBTOTAL CONSULTANTS				\$38,512.00
OTHER COSTS:				
Auto Mileage @ \$0.555 / mile	MILE	100	\$0.555	\$55.50
Plotting	SHEET	28	\$1.20	\$33.60
Photo Copies	SHEET	235	\$0.15	\$35.25
Reproduction	SHEET	75	\$2.75	\$206.25
SUBTOTAL OTHER COSTS				\$350.60
TOTAL DIRECT COSTS				\$38,862.60

TOTAL PHASE I

\$47,463.60

PHASE II - PRELIMINARY DESIGN PHASE

ITEM DESCRIPTION	ESTIMATED MANHOURS BY CLASSIFICATION							TOTAL
	Principal	Prs. Mgr	Sr Project Eng	Jr Project Eng	Sr GABG	GABG	Sec. Gen	
A. Title Sheet			0.5				0.5	1.0
B. Horizontal and Vertical Control Map		1.0	1.0	2.0			2.0	6.0
C. Existing Conditions Plan & Utility Coordination		2.0	5.0	4.0			6.0	14.0
D. Drainage Calculations & Mapping		4.0	8.0	8.0			6.0	18.0
E. Demolition Plan							14.0	14.0
F. Edna Av-Street Plan and Profiles	2.0	8.0	18.0	12.0	6.0	24.0		68.0
G. Detailed Intersection Design	2.0	6.0	8.0	8.0	6.0	18.0		48.0
H. Street Cross-Sections	1.0	4.0	14.0	8.0	6.0	24.0		57.0
I. Storm Drainage Plan and Profiles	1.0	6.0	8.0	12.0	4.0	24.0		55.0
J. Illumination, Signage, and Siting Plan	1.0	3.0	8.0	2.0	4.0	6.0		24.0
K. General Notes	1.0	2.0	2.0	3.0	1.0	6.0		14.0
L. Standard Details	1.0	2.0	8.0	6.0	4.0	12.0		33.0
M. Drainage Details	1.0	3.0	5.0	3.0		10.0		22.0
N. Construction Sequencing Plan	1.0	4.0	6.0		1.0	12.0		24.0
O. Traffic and Pedestrian Control Plan	2.0	2.0	8.0		2.0	14.0		28.0
P. Stormwater Pollution Prevention Plan and Associated SW3P Specifications	1.0	2.0	4.0	4.0		6.0		16.0
Q. Preliminary Technical Specifications	1.0	2.0	4.0				3.0	10.0
R. Preliminary Cost Estimate		2.0	4.0	6.0		6.0	2.0	22.0
S. Project Review Meetings, Agency Coordination	2.0	4.0	6.0				2.0	14.0
SUB-TOTAL HOURS	16.0	58.0	114.8	79.0	34.0	184.5	7.0	602.0
RATE/HOUR	\$180.00	\$125.00	\$90.50	\$88.00	\$82.00	\$75.00	\$65.00	
COST	\$2,880.00	\$7,250.00	\$11,278.25	\$6,952.00	\$2,772.00	\$14,587.50	\$485.00	\$45,735.25
% MH BY CLASSIFICATION	3.18%	11.85%	22.81%	15.74%	6.67%	38.75%	1.36%	100.00%

SUBTOTAL PHASE II

\$45,735.25

DIRECT COSTS - PHASE II	Unit	Quantity	Unit Cost	Cost
SUBCONSULTANTS:				
ADA Consultant (Julie Geredah): Project Registration	LS	1	\$224.00	\$224.00
Public Meetings/Presentation Material	LS	1	\$1,767.00	\$1,767.00
Greenway Studio - Landscape and Irrigation Design	LS	1	\$3,434.00	\$3,434.00
SUBTOTAL CONSULTANTS				\$5,425.00
OTHER COSTS:				
Auto Mileage @ \$0.555 / mile	MILE	85	\$0.555	\$47.18
Plotting	SHEET	99	\$1.20	\$118.80
Reproduction	SHEET	810	\$2.75	\$2,227.50
Photo copies	SHEET	487	\$0.15	\$73.05
SUBTOTAL DIRECT COSTS				\$2,466.53
TOTAL DIRECT COSTS				\$7,891.53

TOTAL PHASE II

\$53,626.78

PHASE III - PRE-FINAL DESIGN PHASE

ITEM DESCRIPTION	ESTIMATED MANHOURS BY CLASSIFICATION							TOTAL
	Principal	Proj Mgr	Sr Project Eng	Jr Project Eng	Sr GADD	GADD	Eng. Assist	
A. Title Sheet			0.5				0.5	1.0
B. Horizontal and Vertical Control Map			1.0	2.0			2.0	5.0
C. Existing Conditions Plan & Utility Coordination		3.0	5.0	2.0			4.0	14.0
D. Drainage Calculations & Mapping		1.0	2.0	4.0			2.0	9.0
E. Demolition Plan		1.0	2.0	4.0			0.0	7.0
F. Edna Avenue Street Plan and Profiles	1.0	4.0	6.0	4.0	2.0	20.0		37.0
G. Detailed Intersection Design	1.0	4.0	6.0	6.0	2.0	12.0		31.0
H. Street Cross-Sections	1.0	6.0	12.0	6.0	6.0	24.0		55.0
I. Storm Drainage Plan and Profiles	1.0	6.0	5.0	6.0	4.0	16.0		40.0
J. Illumination, Signage, and Striping Plan		2.0	1.0	2.0			0.0	5.0
K. General Notes		1.0	1.0	2.0			0.0	4.0
L. Standard Details		1.0	2.0	4.0			0.0	7.0
M. Drainage Details	1.0	2.0	3.0	2.0			0.0	8.0
N. Construction Sequencing Plan	1.0	2.0	4.0		2.0	0.0		9.0
O. Traffic and Pedestrian Control Plan	1.0	2.0	2.0		2.0	10.0		17.0
P. Stormwater Pollution Prevention Plan and Associated SW3P Specifications		1.0	2.0			4.0		7.0
Q. Pre-Final Technical Specifications	1.0	4.0	4.0				3.0	12.0
R. Pre-Final Cost Estimate and Construction Schedule	1.0	2.0	4.0	2.0		0.0	2.0	9.0
S. Project Review Meetings, Agency Coordination	2.0	4.0	4.0				2.0	12.0
SUB-TOTAL HOURS	11.0	46.0	69.5	50.0	20.0	147.5	7.0	351.0
RATE/HOUR	\$180.00	\$125.00	\$308.50	\$88.00	\$62.50	\$75.00	\$55.00	
COST	\$1,980.00	\$5,750.00	\$21,147.50	\$4,400.00	\$1,250.00	\$11,062.50	\$385.00	\$31,875.00
% MH BY CLASSIFICATION	3.13%	13.11%	19.80%	14.25%	5.70%	42.02%	1.99%	100.00%

SUBTOTAL PHASE III

\$31,875.00

DIRECT COSTS - PHASE III	Unit	Quantity	Unit Cost	Cost
SUBCONSULTANTS:				
Greenway Studio - Landscape and Irrigation Design	LS	1	\$5,208.00	\$5,208.00
SUBTOTAL CONSULTANTS				\$5,208.00
OTHER COSTS:				
Auto Mileage @ \$0.555 / mile	MILE	85	\$0.555	\$47.18
Plotting	SHEET	101	\$1.20	\$121.20
Reproduction	SHEET	877	\$2.75	\$2,411.75
Photo Copies	SHEET	567	\$0.15	\$85.05
SUBTOTAL OTHER COSTS				\$2,665.18
TOTAL DIRECT COSTS				\$7,873.18

TOTAL PHASE III

\$39,726.43

PHASE IV - FINAL DESIGN PHASE

ITEM DESCRIPTION	ESTIMATED MANHOURS BY CLASSIFICATION							TOTAL
	Principal	Proj Mgr	Sr Project Eng	Jr Project Eng	Sr GADD	GADD	Eng. Assist	
A. Title Sheet							0.5	0.5
B. Horizontal and Vertical Control Map		1.0					1.0	2.0
C. Existing Conditions Plan & Utility Coordination		1.0	2.0				3.0	6.0
D. Drainage Calculations & Mapping		1.0	2.0	2.0			4.0	9.0
E. Demolition Plan		1.0	2.0	4.0			10.0	17.0
F. Edna Avenue Street Plan and Profiles	1.0	2.0	4.0	4.0	2.0	16.0		29.0
G. Detailed Intersection Design	1.0	4.0	4.0	2.0		10.0		21.0
H. Street Cross-Sections	1.0	4.0	6.0	4.0	2.0	14.0		31.0
I. Storm Drainage Plan and Profiles	1.0	6.0	7.0	6.0	3.0	18.0		40.0
J. Illumination, Signage, and Striping Plan		2.0	1.0			0.0	0.0	3.0
K. General Notes		2.0	2.0	2.0			0.0	6.0
L. Standard Details		2.0	4.0				4.0	10.0
M. Drainage Details	0.5	1.0	2.0	4.0			7.0	14.5
N. Construction Sequencing Plan	0.5	1.0	1.0				4.0	6.5
O. Traffic and Pedestrian Control Plan		1.0	4.0		2.0	10.0		17.0
P. Stormwater Pollution Prevention Plan and Associated SW3P Specifications		1.0	1.0			2.0		4.0
Q. Final Technical Specifications	1.0	2.0	1.0	1.0			2.0	7.0
R. Final Cost Estimate and Construction Schedule	0.5	2.0	4.0			0.0	2.0	8.5
S. Project Review Meetings, Agency Coordination	1.5	3.0	4.0				3.0	11.5
SUB-TOTAL HOURS	8.0	37.0	55.0	24.0	9.0	114.5	7.0	253.5
RATE/HOUR	\$160.00	\$125.00	\$308.50	\$88.00	\$62.50	\$75.00	\$55.00	
COST	\$1,280.00	\$4,625.00	\$16,967.50	\$2,112.00	\$562.50	\$8,587.50	\$385.00	\$23,149.50
% MH BY CLASSIFICATION	3.14%	14.54%	21.61%	9.43%	3.54%	44.99%	2.75%	100.00%

SUBTOTAL PHASE IV

\$23,149.50

DIRECT COSTS - PHASE IV	Unit	Quantity	Unit Cost	Cost
SUBCONSULTANTS:				
ADA Consultant (Julie Gerada) - Plan Reviews and Consultation	LS	1	\$526.00	\$526.00
Public Involvement / Neighborhood Meetings / Presentation Material	LS	1	\$1,175.00	\$1,175.00
Greenway Studio - Landscape and Irrigation Design	LS	1	\$2,803.00	\$2,803.00
SUBTOTAL CONSULTANTS				\$4,504.00
OTHER COSTS:				
Auto Mileage @ \$0.555 / mile	MILE	76	\$0.555	\$42.18
Plotting	SHEET	86	\$1.30	\$111.80
Reproduction	SHEET	834	\$2.76	\$2,281.50
Photo Copies	SHEET	668	\$0.16	\$106.88
SUBTOTAL OTHER COSTS				\$2,542.36
TOTAL DIRECT COSTS				\$7,046.36

TOTAL PHASE IV

\$30,209.98

PHASE V - BIDDING

(TIME & MATERIALS BASIS)

ITEM DESCRIPTION	ESTIMATED MANHOURS BY CLASSIFICATION							TOTAL
	Propose	Prop. Mgr	St. Design Eng	Jr. Eng/Arch	Sr. Eng	PAER	Sec. Admin	
A. Bidding Activities (Bidders Questions, Addenda, Recommendations)	9.0	4.0	4.0					16.0
B. Pre-Bid and Pre-Construction Conferences	9.0	2.0					2.0	11.0
SUB-TOTAL HOURS	18.0	6.0	4.0	0.0	0.0	0.0	2.0	26.0
RATE/HOUR	\$160.00	\$125.00	\$98.50	\$98.00	\$98.50	\$75.00	\$45.00	
COST	\$2880.00	\$750.00	\$394.00	\$0.00	\$0.00	\$0.00	\$90.00	\$4024.00
% MH BY CLASSIFICATION	23.08%	23.08%	15.38%	0.00%	0.00%	0.00%	7.69%	

SUBTOTAL PHASE V

\$1,894.00

DIRECT COSTS	Unit	Quantity	Unit Cost	Cost
SUBCONSULTANTS:				
ADA Consultant (Julie Geroda)-Plan Reviews, Consultation, and Inspections	LS	1	\$575.00	\$575.00
Seipet-Monument Placement and Certification Survey	LS	1	\$3,121.00	\$3,121.00
Greenway Studio - Landscape and Irrigation Bid Phase	LS	1	\$1,124.00	\$1,124.00
SUBTOTAL CONSULTANTS				\$4,820.00
OTHER COSTS:				
Auto Mileage @ \$0.555 / mile	MILE	85	\$47.18	\$47.18
SUBTOTAL OTHER COSTS				\$47.18
TOTAL DIRECT COSTS				\$4,867.18

TOTAL PHASE V

\$6,761.18

TOTAL CONTRACT

\$177,787.96

ATTACHMENT "C"
CONSULTANT'S BASIC AND ADDITIONAL SERVICES

For the Project known as "Edna Avenue Street & Drainage Improvements," 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

ATTACHMENT "C"
CONSULTANT'S BASIC AND ADDITIONAL 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"
CONSULTANT'S BASIC AND ADDITIONAL SERVICES

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.

ATTACHMENT "C"
CONSULTANT'S BASIC AND ADDITIONAL 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.
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

ATTACHMENT "C"
CONSULTANT'S BASIC AND ADDITIONAL SERVICES

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. Submit to the Texas Department of Licensing and Regulation, or a State Certified ADA consultant, a set of Final Design Drawings for ADA review and approval.
4. 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.
5. 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.
6. 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.

BIDDING PHASE

Upon receipt of Owner's written request, the Consultant shall provide any of the following services during the Bidding Phase:

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.
2. Assist the Owner in responding to all questions from prospective bidders concerning the Drawings and Specifications.

ATTACHMENT "C"
CONSULTANT'S BASIC AND ADDITIONAL SERVICES

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.

CONSTRUCTION PHASE

At Owner's request, the Consultant shall provide any of the following services associated with the Construction Phase:

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 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

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CONSULTANT'S BASIC AND ADDITIONAL SERVICES

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 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

ATTACHMENT "C"
CONSULTANT'S BASIC AND ADDITIONAL SERVICES

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 user department, the State ADA inspector or State certified ADA consultant, 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.
15. Furnish property surveys and legal descriptions as needed to acquire additional right-of-way or additional property.
16. 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.

ATTACHMENT "C"
CONSULTANT'S BASIC AND ADDITIONAL SERVICES

17. Prepare documents for alternate bids requested by the Owner for construction work for which bids have not been awarded.
18. If Best Value Evaluation Criteria are required after the Consulting fees have been negotiated and accepted, the Consultant may request Additional Service fees.
19. Prepare detailed renderings, exhibits, or scale models for the Project, except as otherwise required herein.
20. Furnish additional tests and inspections, in excess of those required herein during the Construction Phase.
21. Prepare change orders requiring additional significant design changes not provided for in the Agreement, requested by the Owner.
22. 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.
23. 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.
24. Provide extensive assistance in the initial start-up and test operation of equipment or devices and the preparation of manuals of operation and maintenance.
25. Serve as an expert witness for the Owner in any litigation or other proceeding involving the Project.

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.

ATTACHMENT "C"
CONSULTANT'S BASIC AND ADDITIONAL SERVICES

1. Furnish core borings, probings, and hydrographic surveys; laboratory testing; inspection of samples or materials; and other special consultations.
2. 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.
3. Furnish additional copies of studies, reports, and additional prints of Drawings and Specifications in excess of those required herein.
4. 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.
5. 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 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

For the Project known as "Edna Avenue Street & Drainage Improvements", hereinafter referred to as the Project, the Owner will compensate the Consultant an amount not to exceed **One Hundred Seventy Seven Thousand Seven Hundred Eighty Seven and 96/100 DOLLARS (\$177,787.96)** for all Basic Services and reimbursables noted within the Agreement and its attachments.

PAYMENT SCHEDULE

Basic services for design shall include the phases listed below at the fixed fee shown for each phase. The remainder of the fixed contract amount, if any, shall consist of the estimate for the time and materials for the bidding phase and construction phase.

Fixed fee Payment to Consultant

Report Phase	\$47,463.60
Preliminary Design Phase	\$53,626.78
Pre-Final Design Phase	\$39,726.43
Final Design Phase	\$30,209.98
Bidding Phase	\$ 6,761.18
Construction Phase	\$ <u> n/a </u>

Time and materials shall be billed to Owner by Consultant pursuant to the schedule provided in the consultant's proposal found in Attachment B. The time shown in Attachment B is an estimate. Should the services rendered during the bidding and construction phases exceed the estimated amount, written authorization will be required prior to rendering services. Written authorization shall be only by contract amendment in accordance with the contract provisions. For contracts with a total value less than Fifty Thousand and No/100 Dollars (\$50,000), the parties agree that at no time may the amount of the compensation under this contract exceed Fifty Thousand and No/100 Dollars (\$50,000) except by execution of an amendment to this Agreement.

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.

The invoice must clearly identify each employee name, title, hours worked, date of performance, task or project description, rate per hours and/or cost, and office/company location.

Transportation costs and Reimbursable Limits: Efforts must be made to secure a *reasonable* and/or lowest rate available in the marketplace.

Airline Costs: The City will only reimburse for airline costs at the Economy or Coach Class rate. Extra insurance and luggage costs are unallowable. Airline ticket "reissue

ATTACHMENT "D"
PAYMENT AND DELIVERABLE SCHEDULES

fee" is reimbursable only if the change was at the City's request or change in meeting because of the City.

Personal Automobile Mileage: Up to the rate of 0.575 cents per mile or the current State of Texas rate applicable at the time cost is incurred. Expense report must clearly identify the departure/arrival time, To/From destinations and purpose of trip.

Automobile Rentals: Not to exceed \$50.00 per day plus applicable taxes. Extra optional insurance or rental gasoline costs are unallowable. Weekly or Monthly rates should be used when applicable. Upgrades beyond economy-sized require an explanation. Use of automobile rental not related to the project is unallowable.

Hotel Rates: Weekly and Monthly rates are encouraged and expected when applicable. Reimbursable costs shall not exceed \$92.00 per day plus applicable city/state/county taxes or current state rate applicable at the time cost is incurred.

Meals (Food Costs): Meal receipts are not required. Actual costs are allowable up to a maximum Per Diem allowance of \$51.00 per day or current State of Texas rate applicable at the time cost is incurred. Meals are only reimbursable with overnight lodging away from headquarters. *Tips and alcohol are not reimbursable. Per meal maximums for partial day travel are as follows: Breakfast \$10.20, Lunch \$15.30 and Dinner \$25.50 and are adjusted proportionately to a change in the current state rate.*

Other – Taxi, Bus, Limousine, Subway, etc.: Only reasonable and prudent costs (with explanations) are reimbursable. *Tips are not reimbursable.*

Entertainment Costs: Entertainment costs are not reimbursable, including: 1. Movie costs for "Pay for View" or Cable service. 2. Alcohol costs. 3. Monetary Tips (tipping) for any and all services related to all forms of travel (and/or entertainment).

Communications Costs: Long Distance telephone calls need to be identified and strictly related to work performed under this Agreement in order to be reimbursable by the City. A log is preferred showing the date, person's name called, and explanation. Cell phone monthly charges are reimbursable if usage is strictly related to work performed under this Agreement. Legible itemized cell phone records are required.

Receipts: Legible itemized receipts are required for the following: 1. Hotel (lodging) costs. 2. Airfare travel costs. 3. Parking costs. 4. Automobile or Equipment Rental costs. 5. Taxi, Limousine, Bus, Subway, or other travel costs. 6. Reproduction. 7. Shipping and Handling. 8. Local Postage/Deliveries (courier services). 9. Communication Costs. *Tips and alcohol are not reimbursable.*

No single invoice may include items for both August and September of any given year. The Owner's fiscal year begins on September 1st of each year and ends on August 31st of each year.

ATTACHMENT "D"
PAYMENT AND DELIVERABLE SCHEDULES

Consultant's invoices must be separated into items that end August 31st and those that begin on Septembers 1st of any given year, to coincide with Owner's fiscal year.

DELIVERABLE SCHEDULE

REPORT PHASE

The services called for in the Report Phase of this Agreement shall be completed and **seven copies** of the Preliminary Study and Report shall be submitted within **sixty consecutive calendar days** following written authorization from the Owner for the Consultant to proceed.

PHASE I—PRELIMINARY DESIGN PHASE

The services called for in **Phase I** of this Agreement shall be completed and **five copies** of any required documents and opinion of probable construction costs shall be submitted within **sixty consecutive calendar days** following written authorization from the Owner for the Consultant to proceed.

PHASE II—PRE-FINAL DESIGN PHASE

The services called for in **Phase II** of this Agreement shall be completed and **five copies** the required documents and services shall be submitted within **forty five consecutive calendar days** following written authorization from the Owner for the Consultant to proceed.

PHASE III—FINAL DESIGN PHASE

The services called for in **Phase III** of this Agreement shall be completed and **ten copies** of final design Drawings and Specifications for review and approval prior to the reproduction for bidding purposes shall be submitted within **thirty consecutive calendar days** following written authorization from the Owner for the Consultant to proceed. And, **three copies** of the Drawings and Specifications in final approved form for bidding purposes for each construction contract shall be submitted within **five consecutive calendar days** following written authorization from the Owner for the Consultant to proceed.

PHASE IV—BIDDING PHASE

Provide services as authorized by Owner during the bid phase as described in Attachment "C" and submit **five copies** of all addenda to the Owner for appropriate action within **three consecutive calendar days**.

PHASE V - CONSTRUCTION PHASE

Provide services as authorized by Owner during construction phase as described in Attachment "C" and submit one set of Mylar and one set of electronic media format copies of all record drawings to the Owner within sixty days from the date of substantial completion.

ADDITIONAL COVERAGES BY WRITTEN CONTRACT, AGREEMENT OR PERMIT

This is a summary of the coverage provided under the following form (complete form available):

BUSINESS LIABILITY COVERAGE FORM SS 00 08 04 05

Additional Insured When Required by Written Contract, Written Agreement or Permit

WHO IS AN INSURED under Section C. is amended to include as an additional insured, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

- (a) In the performance of your ongoing operations;
- (b) In connection with your premises owned by or rented to you; or
- (c) In connection with "your work" and included within the "products completed operations hazard", but only if
 - (i) The written contract or written agreement requires you to provide such coverage to such additional insured; and
 - (ii) This Coverage Part provides coverage for "bodily injury" or "property damage" included within the "products completed operations hazard".

The person(s) or organization(s) are additional insureds when you have agreed, in a written contract, written agreement or because of a permit issued by a state or political subdivision, that such person or organization be added as an additional insured on your policy, provided the injury or damage occurs subsequent to the execution of the contract or agreement, or the issuance of the permit.

A person or organization is an additional insured under the provision only for that period of time required by the contract, agreement or permit.

With respect to the insurance afforded to the additional insured, this insurance does not apply to: "Bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of, or failure to render, any professional architectural, engineering or surveying services, including:

- (a) The preparing, approving, or failure to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders, designs or drawings and specification; or
- (b) Supervisory, inspection, architectural or engineering activities.

The limits of insurance that apply to additional insureds are described in Section D. Limits Of Insurance.

How this insurance applies when other insurance is available to an additional insured is described in the Other Insurance Condition in Section E. Liability And Medical Expenses General Conditions.

No person or organization is an insured with respect to the conduct of any current or past partnership, joint venture or limited liability company that is not shown as a Named Insured in the Declarations.

Other Insurance

If other valid and collectible insurance is available for a loss we cover under this Coverage Part, our obligations are limited as follows:

When You Add Others As An Additional Insured To This Insurance: That is other insurance available to an additional insured. However, the following provisions apply to other insurance available to any person or organization who is an additional insured under this Coverage Part:

- (a) **Primary Insurance When Required By Contract:** This insurance is primary if you have agreed in a written contract, written agreement or permit that this insurance be primary. If other insurance is also primary, we will share with all that other insurance by the method described in c. below.
- (b) **Primary And Non-Contributory To Other Insurance When Required By Contract:** If you have agreed in a written contract, written agreement or permit that this insurance is primary and non-contributory with the additional insured's own insurance, this insurance is primary and we will not seek contribution from that other insurance.

Paragraphs (a) and (b) do not apply to other insurance to which the additional insured has been added as an additional insured.

c. Method Of Sharing

If all the other insurance permits contribution by equal shares, we will follow this method also. Under this approach, each insurer contributes equal amounts until it has paid its applicable limit of insurance or none of the loss remains, whichever comes first.

If any of the other insurance does not permit contribution by equal shares, we will contribute by limits. Under this method, each insurer's share is based on the ratio of its applicable limit of insurance to the total applicable limits of insurance of all insurers.

Waiver of Subrogation

If you have waived any rights of recovery against any person or organization for all or part of any payment, including Supplementary Payments, we have made under this Coverage Part, we also waive that right, provided you waived your rights of recovery against such person or organization in a contract, agreement or permit that was executed prior to the injury or damage

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A/E SELECTION SUMMARY

Project Name:		Edna Avenue Street & Drainage Improvements			
Department Requesting Approval:		Capital Improvement Program	District:		
SCOPING AND EVALUATION TEAM			REQUEST FOR QUALIFICATIONS (RFQ)		
Gilbert Andujo, P.E. - Engineering & Construction Management				Date issued:	
Amy Castner, P.E. - El Paso Water Utilities					
Harold Kutz, P.E. - Department of Transportation				Date submittals due:	
Kevin Smith, Transportation Planning					
Firms that Submitted a Statement of Qualifications (SOQ)					
Brock & Bustillos, Inc.	CEA Group	Conde, Inc.	CSA Design, Inc.		
Dannenbaum Engineering	ESSCO, International	Frank X. Spencer & Associates	GRV Integrated Solutions		
Huitt-Zollars, Inc.	Moreno-Cardenas, Inc.	Parkhill, Smith & Cooper, Inc.	Quantum Engineering		
Villaverde, Inc.					
SCHEDULE			FINALISTS (in ranked order)		
Final recommendation:	Monday, January 26, 2015	1	Quantum Engineering	8	Conde, Inc.
Date finalists notified:	Tuesday, January 27, 2015	2	Parkhill, Smith & Cooper, Inc.	9	CSA Design, Inc.
		2	Huitt-Zollars, Inc.	10	Frank X. Spencer & Associates
		4	Moreno-Cardenas, Inc.	11	GRV Integrated Solutions
		5	Brock & Bustillos, Inc.	12	ESSCO, International
		6	CEA Group	13	Villaverde, Inc.
		7	Dannenbaum Engineering		
Consultants recommended for award:		1	Quantum Engineering		
City Council Agenda date for recommended award:		Tuesday, July 21, 2015			



EDNA STREET & DRAINAGE IMPROVEMENTS

**Approval for Award of Professional
Engineering and Surveying Services**

Strategic Plan 2015 Goal:

3) Promote the Visual Image of El Paso

7) Enhance and Sustain El Paso's Infrastructure Network

July 21, 2015

"Delivering Outstanding Services"



Design Budget

Item	Source	Amount
Professional & Design Services – Quantum Engineering Consultants	2013 Street Infrastructure CO's	\$177,787.96
TOTAL SERVICE EXPENDITURES NOT TO EXCEED		\$177,787.96

"Delivering Outstanding Services"



Scope of Work

- **Project site investigation for proper design of total street reconstruction of Edna Street**
- **ADA plan reviews and consultations**
- **Community meetings**
- **Landscape & Irrigation Design**
- **Bid letting**

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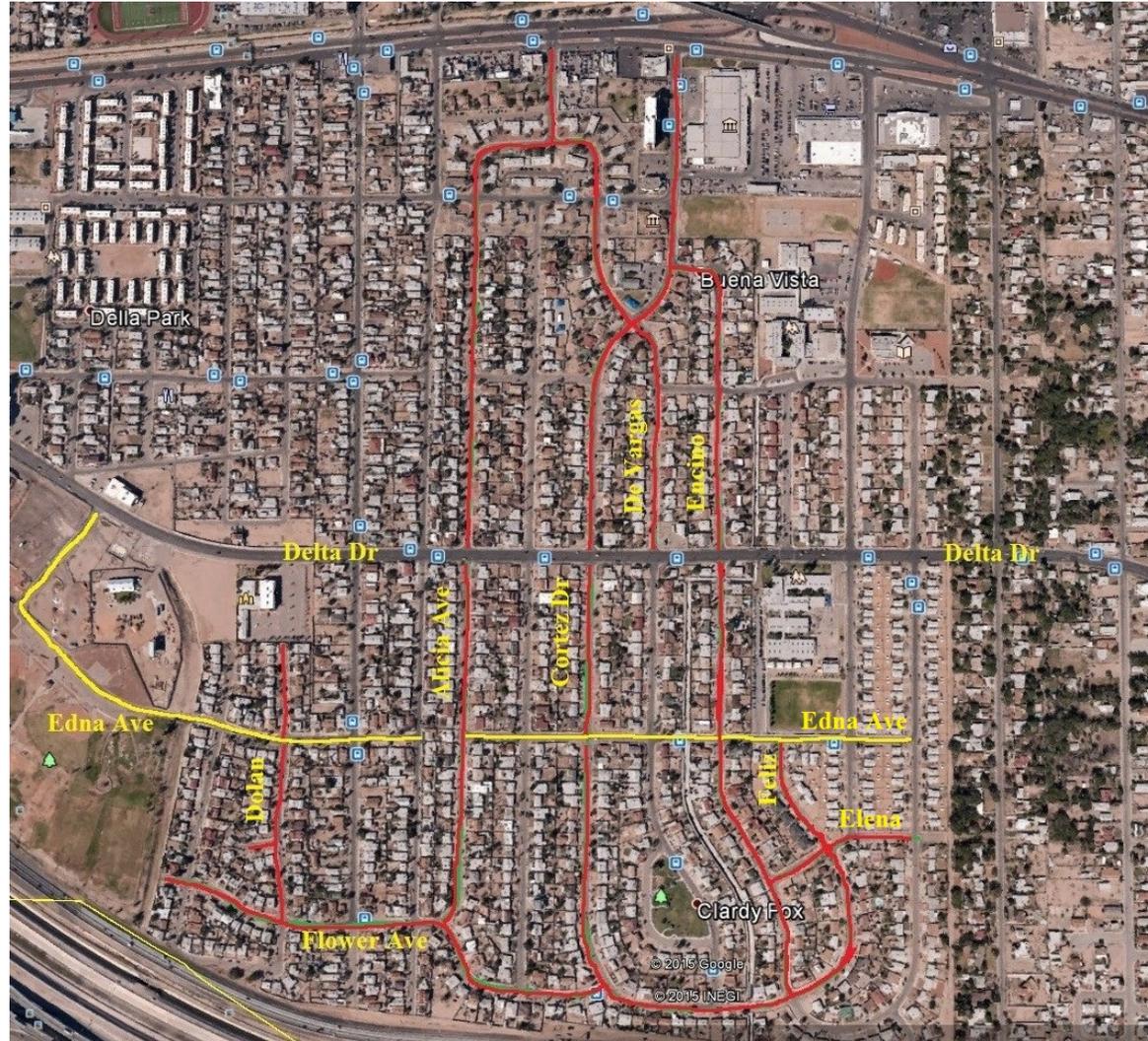


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Project Information

- **This project is part of a series of projects for the South Central Streets and Drainage improvements.**
- **Funded by the 2013 Street Infrastructure Certificates of Obligation.**
- **A drainage study was conducted by AECOM to analyze necessary drainage infrastructure to be incorporated into the street reconstruction.**





Recommendation on Design

Recommendation

- **Quantum Engineering Consultants of El Paso, Texas, as the qualified consultant, in the amount of \$177,787.96**
- **Final Design will be completed within six months from Notice to Proceed**



Questions/Comments

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