



**Core Engineering Group, PLLC**

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Yuma, Arizona 85364

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April 11, 2019

Mr. Eulogio Vera, PE  
City of San Luis Public Works Department  
1090 E. Union Street  
San Luis, AZ 85349

Re: Juan Sanchez Boulevard and 6<sup>h</sup> Street Traffic Signal  
San Luis, AZ  
Civil Engineering Scope and Fee Proposal

Dear Mr. Vera:

Per your request, we respectfully submit to you our scope of services and fee proposal to perform traffic signal design and roadway widening services for the intersection of Juan Sanchez Boulevard and 6h Street, San Luis, Arizona. The following is our scope as we understand it through our discussions.

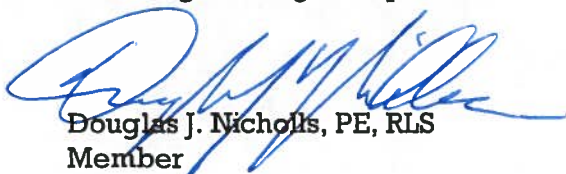
The scope of work shall include plans specifications and estimate for the traffic signal design and roadway widening. The design will utilize the direction per your March 26<sup>th</sup> email. Core will provide topographic and control survey information. The signals shall be designed to ADOT Standards, however no ADOT review is included. They will be located at the full buildout locations as best as can be determined. The roadway widening will include the addition on the SB right turn lane from 6th Street to Juan Sanchez Boulevard and a drop line on WB Juan Sanchez Boulevard west of the intersection. Bike lanes along 6<sup>th</sup> Street from Union Street to Kennedy Lane will be accommodated on the restriping of the existing pavement. No potholing will be included in this scope of work. The total proposed fixed (lump sum) fee is attached.

Ultimate Roadway layout, site design, structural design, geotechnical report, landscape layout, lot tie/split, zoning and construction staking are not part of the scope of work. This fee proposal does not include any submittal fees, recording fees, and other direct expenses related to the project unless listed. The City of San Luis will provide the interface with any permitting needed from the Bureau of Reclamation or Arizona State Land Department.

The terms and conditions on the last sheet of this proposal are a part of this agreement. The signature below constitutes Core's intention to provide services as stated in this agreement. Please sign and return one copy to our office. If Core is requested to proceed with this project and a signed contract has not been received, the above fees will be billed monthly during the project and the client hereby acknowledged that this is a legal and binding contract. Please let me know if you have any questions or require any clarifications.

Sincerely,  
Core Engineering Group, PLLC

Accepted by:  
City of San Luis

  
Douglas J. Nicholls, PE, RLS  
Member

\_\_\_\_\_  
Eulogio Vera, PE  
Public Works Director

Date \_\_\_\_\_

## TERMS AND CONDITIONS

Core Engineering Group, PLLC, hereafter referred to as Core, shall perform the services outlined in this agreement for the stated fee arrangement.

**Access To Site:** Unless otherwise stated, Core will have access to the site for activities necessary for the performance of the services. Core will take precautions to minimize damage due to these activities, but have not included in the fee the cost of restoration of any resulting damage.

**Fee:** The total fee, unless stated as a fixed fee, shall be understood to be an estimate and shall not be exceeded by more than ten percent without written approval of the client. Where the fee arrangement is to be on an hourly basis, the rates shall be as follows:

Project Engineer: \$105.00/hr	Clerical: \$ 55.00/hr	CAD: \$80.00/hr
Survey Crew: \$165.00/hr	Surveyor in Office: \$105.00/hr	

**Billings/Payments:** Invoices for the services of Core shall be submitted, at Core's option, either upon the completion of such services or on a monthly basis. Invoices shall be payable within 30 days after the invoice date. If the invoice is not paid within 30 days, Core may, without waving any claim or right against the client, and without liability whatsoever to the client, terminate the performance of the service. Retainers shall be credited on the final invoice.

**Late Payments:** Accounts unpaid 60 days after the invoice may be subject to a monthly service charge of 1.5% on the then unpaid balance (18.0% true annual rate), at the sole election of Core. In the event any portion or all of an account remains unpaid 90 days after the billing, the client shall pay all costs of collection, including reasonable attorney's fees.

**Indemnification:** The client shall indemnify and hold harmless Core and all of its personnel from and against any and all claims, damages, losses, and expenses (including reasonable attorney's fees) arising from the performance of the services, provided that any such claim, damage, loss, or expense is caused in whole or in part by the negligent act, omission, and/or strict liability of the client, anyone directly or indirectly employed by the client (except Core), or anyone for whose acts any of them may be liable.

**Risk Allocation:** In recognition of the relative risks, rewards, and benefits of the project to both the client and Core, the risks have been allocated such that the client agrees that, to the fullest extent permitted by law, Core's total liability to the client for any and all injuries, claims, losses, expenses, damages, or claim expenses arising out of this agreement from any cause or causes, shall not exceed ten times our fee or \$50,000, whichever is less. Such causes include, but are not limited to, Core's negligence, errors, omissions, strict liability, breach of contract, or breach of warranty.

**Termination of Services:** This agreement may be terminated by the client or Core should the other fail to perform its obligations hereunder. In the event of termination, the client shall pay the firm for all services rendered to the date of the termination, all reimbursable expenses, and reimbursable termination expenses.

**Ownership of Documents:** All documents produced or reviewed and sealed by Core under this agreement shall remain the property of Core and may not be used by the client for any other endeavor without the written consent of Core.

**Responsibility for Design:** It is agreed that it is neither practical nor customary for Core to include all construction details in plans and specifications, creating a need for interpretation in the field by Core or an individual who is under the direct supervision of Core. It is also understood that construction review permits Core to identify and correct quickly and at comparatively low cost professional errors or omissions that are revealed through construction, or errors or omissions committed by others due to other causes. For the foregoing reasons, construction review is generally considered an essential element of a complete design professional service. Accordingly, if you direct Core to not provide construction review, Core will not be responsible for any of Core's acts, errors or omissions, except for those consequences which, it reasonably could be concluded, Core's review services would not have prevented or mitigated.

**Applicable Laws:** Unless otherwise specified, this agreement shall be governed by the laws of the State of Arizona

CORE ENGINEERING GROUP, PLLC

CONTRACT NO. \_\_\_\_\_  
PROJECT NO. \_\_\_\_\_  
New Contract:     X      
Contract Mod:     No.    

TRAFFIC SIGNAL FOR JUAN SANCHEZ BOULEVARD AND 6TH STREET  
DERIVATION OF COST PROPOSAL  
(Round figures to the nearest \$1.00)

**ESTIMATED DIRECT LABOR**

Classification	Estimated Hours	Proposed Hourly Rate	Proposed Labor Cost
Project Manager	20	\$130.00	\$2,600
Senior Engineer	50	\$120.00	\$6,000
Project Engineer	147	\$105.00	\$15,435
Technician	172	\$80.00	\$13,760
Survey Crew	16	\$165.00	\$2,640
Clerical	24	\$55.00	\$1,320
		<b>Total Proposed Labor Cost:</b>	<b>\$41,755</b>

**ESTIMATED DIRECT EXPENSES**

Reproduction	\$118
Communications	\$0
Survey Supplies	\$0
Transportation	\$231

Total Estimated Direct Expenses: \$349

**ESTIMATED OUTSIDE SERVICES**

Firm	Method Of Comp.	Cost
-NONE-		

Total Estimated Outside Services: \$0

Subtotal: \$42,104

**TOTAL ESTIMATED COST: \$42,104**

  
\_\_\_\_\_  
Signature

4/11/19  
\_\_\_\_\_  
Date

<b>Hour Estimate for</b>									
<b>TRAFFIC SIGNAL FOR JUAN SANCHEZ BOULEVARD AND 6TH STREET</b>									
<b>CORE HOUR SUMMARY</b>									
<b>Work/Scope Item</b>		<b>Project Manager</b>	<b>Sen Engr</b>	<b>Engr</b>	<b>Tech</b>	<b>Survey Crew</b>	<b>Admin</b>	<b>Totals</b>	<b>Sheets</b>
DESIGN		0	6	61	144	16	0	227	14
SPECIFICATIONS		0	9	34	0	0	0	43	0
SUBMITTALS		0	4	20	16	0	0	40	28
MANAGEMENT		20	31	32	12	0	24	119	0
<b>TOTAL HOURS</b>		<b>20</b>	<b>50</b>	<b>147</b>	<b>172</b>	<b>16</b>	<b>24</b>	<b>429</b>	<b>42</b>
<b>DESIGN</b>									
Cover Sheet		0	0	1	2	0	0	3	1
General Notes		0	0	2	4	0	0	6	1
Existing Conditions Plan		0	0	4	24	16	0	44	2
Roadway Details		0	0	4	8	0	0	12	2
Roadway Plan		0	2	12	36	0	0	50	3
Traffic Signal Layout		0	2	12	20	0	0	34	1
Conduit and Conductor Plan and Schedule		0	2	12	16	0	0	30	1
Signal Details		0	0	4	12	0	0	16	1
Pavement Signing and Striping Plan		0	0	8	16	0	0	24	1
Pavement Signing and Striping Detail		0	0	2	6	0	0	8	1
<b>TOTALS</b>		<b>0</b>	<b>6</b>	<b>61</b>	<b>144</b>	<b>16</b>	<b>0</b>	<b>227</b>	<b>14</b>
<b>SPECIFICATIONS</b>									
Bid Schedule		0	1	10	0	0	0	11	
Proposal Packet		0	4	12	0	0	0	16	
Specifications		0	4	12	0	0	0	16	
<b>TOTALS</b>		<b>0</b>	<b>9</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>0</b>
<b>SUBMITTALS</b>									
60% Submittal		0	0	1	4	0	0	5	
60% Comment Resolution		0	1	4	2	0	0	7	
60% Comment Matrix and Responses		0	1	4	0	0	0	5	
100% Final Submittal		0	0	1	4	0	0	5	14
100% Comment Resolution		0	1	4	2	0	0	7	
100% Comment Matrix and Responses		0	1	4	0	0	0	5	
Prepare Bid Package		0	0	2	4	0	0	6	14
<b>TOTALS</b>		<b>0</b>	<b>4</b>	<b>20</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>28</b>
<b>MANAGEMENT</b>									
Potholes (NIC)		0	0	0	0	0	0	0	
Progress Meetings (2)		0	4	4	2	0	0	10	
Progress Meetings Minutes		0	1	4	0	0	0	5	
Utilities Coordination		0	2	12	2	0	0	16	
Quality Control		0	20	0	0	0	0	20	
Cost Estimate		0	4	12	8	0	0	24	
Project Management		20	0	0	0	0	24	44	
<b>TOTALS</b>		<b>20</b>	<b>31</b>	<b>32</b>	<b>12</b>	<b>0</b>	<b>24</b>	<b>119</b>	<b>0</b>

CORE ENGINEERING GROUP, PLLC

CONTRACT NO. \_\_\_\_\_  
 PROJECT NO. \_\_\_\_\_  
 New Contract:           X            
 Contract Mod: No. \_\_\_\_\_

TRAFFIC SIGNAL FOR JUAN SANCHEZ BOULEVARD AND 6TH STREET  
 BASIS FOR ESTIMATED DIRECT EXPENSES

**REPRODUCTION**

	No. of Sets	No. of Sheets	Each	Total
Photo Copies (8 1/2 x 11)	10	90	\$0.05	\$45
Photo Copies (11x17)	10	42	\$0.15	\$63
Delivery	2	1	\$5.00	\$10
Federal Express	0	1	\$35.00	\$0
Recorded Document Copies	0	0	\$4.00	\$0

Subtotal \$118

**COMMUNICATIONS**

Telephone Charges	Months	Cost Per Month
	0	\$ -

Subtotal \$0

**SURVEY SUPPLIES**

	No. of Points	Each	Total
Aerial Panels	0	\$0.00	\$0
Potholing Supplies	0	\$10.00	\$0

Subtotal \$0

**TRANSPORTATION**

Mileage (Company Vehicle)  
 \$0.550

	No. of Trips	Miles per Trip	Total Miles	Total Cost per Trip
Progress Meetings (Phx)	0	450	0	\$0.00
Progress Meetings (San Luis)	2	70	140	\$77.00
Misc. Meetings / Deliveries (San)	0	70	0	\$0.00
Site Visits	0	70	0	\$0.00
City Reviews	2	70	140	\$77.00
Utility Coordination Meetings	0	0	0	\$0.00
Allowance for Survey	2	70	140	\$77.00
Subtotal			420	\$231.00

**Per Diem**

	No. of Trips	No. of Days per Trip	Cost per Day	Total Cost
Lodging	0	0	\$106.00	\$0.00
Subsistence	0	0	\$54.00	\$0.00
Subtotal				\$0.00

Subtotal \$231

Total Estimated Direct Expenses: \$349