



Core Engineering Group, PLLC

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

Re: 4th Avenue / 1st Avenue and Juan Sanchez Boulevard Roadway Improvements
Change Order – Waterline Additional / Misc. Roadway
Scope and Fee Proposal

Dear Mr. Vera:

Per your request, the following is our scope of services for additional services under roadway design of the 4th Avenue / 1st Avenue and Juan Sanchez Boulevard area near the Gadsden Elementary School District Campus (GESD). Enclosed please find the fee proposal for the construction documents as we discussed.

The scope includes the replacement of the existing asbestos waterline in 4th Avenue and modifications to the street and right-of-way.

The first section is the improvements of the 4th Avenue waterline from Juan Sanchez Boulevard south to the end of the asbestos pipe. The second section includes modifications to the roadway design along 4th Avenue, extension of the 4th Avenue roadway improvements from E Street to the southern subdivision, extension of the 4th Avenue roadway improvements to Union Street, widen the Union Street intersection, modifications to the right-of-way and right-of-way exhibits, and miscellaneous minor scope changes during Phase 1 and Phase 2.

Common to each section shall be the development of details as well as right-of-way research on all segments, specifications, and cost estimate. Construction phase services shall be under separate contract at the discretion of the City of San Luis.

The project scope of work shall not include a lighting design, SWPPP, construction phasing, traffic control plans, geotechnical design, implementation of the ADOT DCR, It is assumed that the pavement design from the previous phase will be used.

The proposed fee schedule is attached. Please do not hesitate to contact me if you have any questions or need further clarification.

Sincerely,
Core Engineering Group, PLLC

Douglas J. Nicholls, PE, RLS
Member
attch

CORE ENGINEERING GROUP, PLLC

CONTRACT NO. _____
PROJECT NO. _____
New Contract: _____
Contract Mod: _____

JUAN SANCHEZ BLVD and 4th AVENUE ROADWAY - WATERLINE & ROADWAY MOD
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	27	\$125.00	\$3,375
Senior Project Engineer	41	\$115.00	\$4,715
Project Engineer	139	\$100.00	\$13,900
Technician	196	\$75.00	\$14,700
Survey Crew	8	\$145.00	\$1,160
Clerical	15	\$45.00	\$675
Total Proposed Labor Cost:			\$35,150

ESTIMATED DIRECT EXPENSES

Reproduction	\$21
Communications	\$0
Survey Supplies	\$0
Transportation	\$108

Total Estimated Direct Expenses: \$129

ESTIMATED OUTSIDE SERVICES

Firm	Method Of Comp.	Cost
None		\$0

Total Estimated Outside Services: \$0

Subtotal: \$35,279

TOTAL ESTIMATED COST: \$35,279

Kim Bunge
Signature

6/1/17
Date

CORE ENGINEERING GROUP, PLLC

CONTRACT NO. _____
 PROJECT NO. _____
 New Contract: _____
 Contract Mod: _____

JUAN SANCHEZ BLVD and 4th AVENUE ROADWAY PROJECT - WATERLINE & ROADWAY MOD
 BASIS FOR ESTIMATED DIRECT EXPENSES

REPRODUCTION

	No. of Sets	No. of Sheets	Each	Total
Photo Copies (8 1/2 x 11)	10	5	\$0.05	\$3
Photo Copies (11x17)	10	12	\$0.15	\$18
Mylars	0	12	\$5.00	\$0
Delivery	0	1	\$5.00	\$0
Federal Express	0	1	\$35.00	\$0
Recorded Document Copies	0	4	\$4.00	\$0

Subtotal \$21

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)
 \$0.585

	No. of Trips	Miles per Trip	Total Miles	Total Cost per Trip
Progress Meetings (San Luis)	1	40	40	\$23.40
Progress Meetings (Yuma)	0	4	0	\$0.00
Misc. Meetings / Deliveries (Yu)	0	0	0	\$0.00
Site Visits	1	40	40	\$23.40
City Reviews	1	40	40	\$23.40
Utility Coordination Meetings	6	4	24	\$14.04
Allowance for Survey	1	40	40	\$23.40
Subtotal			184	\$107.64

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 \$108

Total Estimated Direct Expenses: \$129

STAFFHOUR ESTIMATE SUMMARY

Hour Estimate for								
JUAN SANCHEZ BLVD and 4th AVENUE ROADWAY - WATERLINE & ROADWAY MOD								
CORE HOUR SUMMARY								
Work/Scope Item	PM	Sen Proj Eng	Proj Eng	Tech	Survey Crew	Admin	Totals	Sheets
4th AVE WATERLINE REPLACEMENT	1	8	20	40	0	3	72	5
JSB and 4th AVE ROADWAY MOD.	6	23	79	136	8	6	258	7
MANAGEMENT	20	10	40	20	0	6	96	0
TOTAL HOURS	27	41	139	196	8	15	426	12
Percent of Hours	6%	10%	33%	46%	2%	4%	100%	
4th AVE WATERLINE REPLACEMENT								
Plan and Profile Sheet	1	4	12	24	0	2	43	1
Waterline Details	0	4	8	16	0	1	29	2
	0	0	0	0	0	0	0	2
TOTALS	1	8	20	40	0	3	72	5
JSB and 4th AVE ROADWAY MOD.								
Roadway Plans and Profiles	1	8	24	40	0	1	74	2
Intersection Staking Plans	1	4	12	24	0	1	42	1
Pavement Marking and Signing Plan	1	2	13	20	0	1	37	2
Additional Topo	0	1	6	16	8	1	32	1
Right-Of-Way Adjustments	2	4	16	20	0	1	43	
Right-Of-Way Exhibit	1	4	8	16	0	1	30	1
							0	
TOTALS	6	23	79	136	8	6	258	7
MANAGEMENT								
95% Submittal	0	0	2	4	0	1	7	
100% Submittal	0	0	2	4	0	0	6	
Specifications	1	2	8	0	0	2	13	
Propable Cost of Construction	1	4	8	4	0	1	18	
Utility Co. Coordination	2	4	20	8	0	1	35	
Bidding Assistance	0	0	0	0	0	0	0	
Management	16	0	0	0	0	1	17	
TOTALS	20	10	40	20	0	6	96	0