

**FEE SCHEDULE**  
**San Antonio Water Company**  
**Well 31 Pipeline Replacement Project**



Task/ Subtask	Task/Subtask Description	Ardura Personnel										Subcontractors			Total Cost			
		Project Director	Sr. Project Manager (JC)	Environ. Planner	Construction Manager	Project Coordinator	Engineer III	Graphic Designer	Construction Inspector	Project Controls and Admin	Admin	Subtask Labor Hours	Subtask Labor Cost	Direct Cost		Survey	Materials Testing	Sub Markup 5%
		\$270.00	\$280.00	\$350.00	\$220.00	\$190.00	\$160.00	\$190.00	\$160.00	\$150.00	\$150.00	\$190.00			LD King	Converse Consultants		
<b>TASK 1 Project Management</b>																		
1-1	Meetings	8	6					8	4									\$10,350
1-2	Project Coordination		1					4										\$7,560
1-3	Project Schedule		0.5					1										\$1,040
1-4	Quality Management		5					1										\$930
<b>TASK 2 Preliminary Design Phase</b>																		
2-1	Review Background Material		2					4	3									\$1,880
2-2	Survey and Mapping		3					3										\$9,156
2-3	Utilities Research		3					3										\$960
2-4	Prepare Preliminary Design Report		3					20	16									\$8,700
<b>TASK 3 Environmental Phase</b>																		
3-1	Prepare and File GEOA NOE		1			3												\$1,700
<b>TASK 4 Final Design Phase</b>																		
4-1	County of San Bernardino Permitting		1					4										\$1,140
4-2	50% Design Phase		2					3	25									\$9,460
4-3	90% Design Phase		1					3	42									\$9,820
4-4	Final Design Phase		1					2	20									\$5,320
<b>TASK 5 Bidding Phase</b>																		
5-1	Pre Bid Conference		1					1										\$790
5-2	Bid Phase Support		1					2										\$2,240
5-3	Addenda		1					2										\$1,230
5-4	Bid Review and Contracts		2					2	3									\$880
												<b>Total Professional Design Services</b>			<b>\$59,636</b>			
<b>TASK 6 Construction Phase</b>																		
6-1	Submit Replies (R) and RFI Responses (P)							4	20									\$4,560
6-2	Pre-construction Meeting		2					2										\$1,680
6-3	Construction Management, Inspection, and Relabel						36											\$37,988
												<b>Total Construction Phase Services</b>			<b>\$43,928</b>			
												<b>Total Project Cost</b>			<b>\$103,565</b>			
<b>Total Hours</b>		14	38.5	3	42	80	138	24	10	472.5								
<b>Total Project Cost</b>		\$4,480	\$10,220	\$940	\$9,240	\$11,400	\$26,220	\$480	\$1,300	\$3,600	\$1,300	\$99,080	\$900	\$6,968	\$6,065	\$652		\$103,565
Professional Design Services TOTAL NOT-TO-EXCEED FEE \$59,636																		
Construction Services TOTAL NOT-TO-EXCEED FEE \$43,928																		
<b>TOTAL NOT-TO-EXCEED FEE \$103,565</b>																		

Project Name: Well 31 Pipeline Replacement  
 Client: San Antonio Water Company  
 Proposal Number: PM23012  
 Time and Fee Estimate  
 Date: February 24, 2023

Scope of Work	HOURS										Environ SubConst. (x1.15)	Geotech SubConst. (x1.15)	TOTAL COST	
	PIC	PE	SrSE	D/CAD	Admin	CO	SM	2PS						
Task 1 - Project Management	0	24	0	0	8	0	0	0	0	0	0	0	0	\$ 5,720.00
Project Management		24			8									\$ 5,720.00
Task 2 - Preliminary Design Phase	4	32	52	88	20	0	10	27						\$ 40,265.00
Preliminary Design Report		8	4	8	4									\$ 3,860.00
Utility and Records Research		4	8		8									\$ 2,960.00
Field Survey and Investigation		4			8		10	27						\$ 10,625.00
Base Map and Preliminary Plans	4	16	40	80										\$ 22,820.00
Task 3 - Environmental Phase	0	8	0	0	0	0	0	0						\$ 6,280.00
Environmental Phase		8												\$ 6,280.00
Task 4 - Final Design Phase	4	16	24	60	0	0	0	0						\$ 17,140.00
Final Design Phase		16	24	60	0	0	0	0						\$ 17,140.00
90% Submittal (Plans, Specs, Cost Est.)		8	16	40										\$ 10,160.00
100% Final Submittal (Plans, Specs, Cost Est.)	4	8	8	20										\$ 6,980.00
Final Submittal (Plans, Specs, Cost Est.)		8	8	20										\$ 6,980.00
Task 5 - Bidding Phase	0	16	0	0	8	0	0	0						\$ 4,040.00
Bidding Phase		16			8									\$ 4,040.00
Task 6 - Construction Phase	0	32	8	0	16	60	0	0						\$ 21,970.00
Construction Phase		32	8	0	16	60	0	0						\$ 21,970.00
Construction Phase		32	8	0	16	60	0	0						\$ 21,970.00
<b>HOURS</b>	<b>8</b>	<b>128</b>	<b>84</b>	<b>148</b>	<b>52</b>	<b>60</b>	<b>10</b>	<b>27</b>						<b>\$ 95,415.00</b>
<b>BUDGET</b>														

PIC = Principal Engineer (PE)  
 PEE = Principal Electrical Engr. (PE)  
 PE = Project Engineer (PE)  
 SE = Staff Engineer (EIT)  
 CAD = CAD Operator  
 Admin = Admin. Asst./Clerical  
 2PS = Two Person Survey Crew

SrE = Senior Engineer (PE)  
 PM = Project Manager  
 SRO = Senior Designer  
 D = Designer  
 JHE = Jr. Engineer (Intern)  
 CO = Construction Observer  
 1PS = One Person Survey Crew

SrPM = Sr. Project Manager  
 SrPE = Sr. Project Engineer (PE)  
 SrSE = Sr. Staff Engineer (EIT)  
 D/CAD = Designer/CAD Operator  
 PT = Planning Technician  
 SM = Survey Manager (PLS)  
 SLS = Staff Land Surveyor (PLS)

**San Antonio Water Company**  
 Engineering Design Services  
**Well 31 Pipeline Replacement Project**  
 Consulting Engineering Fee

Task No.	Task	Project Manager / Construction Manager	Project Engineer / Construction Engineer	Assistant Engineer/Designer	Clerical	Surveying	Construction Inspector	Sub-Consultants <sup>2)</sup>	Total
		Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours
		\$	\$	\$	\$	\$	\$	\$	\$
<b>Task 1 - Project Management</b>									
1.1	Company Coordination	4	660	4	620				1,620
1.2	Kickoff Meeting	2	330	4	620	2	270		1,390
1.3	Progress Meetings	4	660	8	1,240	4	540		2,780
1.4	Invoicing	2	330			8			1,010
<b>Task 2 - Preliminary Design Phase</b>									
2.1	Utility Research and Coordination			2	310	4	540		1,190
2.2	Professional Surveying	2	330	4	620			3,840	4,790
2.3	Base Construction Drawings	2	330	8	1,240	16	2,160		3,900
2.4	60% Design	4	660	16	2,480	40	5,400		8,880
<b>Task 3 - Environmental Phase</b>									
3.1	Categorical Exemption	2	330	4	620				1,290
<b>Task 4 - Final Design Phase</b>									
4.1	Coordination with Agencies/Utilities			4	620	4	540		1,500
4.2	Permit Acquisition	2	330	4	620	2	270		1,390
4.3	90% Design	2	330	8	1,240	20	2,700		4,610
4.4	Final Drawings	2	330	4	620	8	1,080		2,370
<b>Task 5 - Bidding Phase</b>									
5.1	Bid Administration	4	660	8	1,240	4	540		3,120
<b>Task 6 - Construction Certification</b>									
6.1	Preconstruction Conference	2	330	4	620			2	1,360
6.2	Shop Drawing Services	2	330	8	1,240	4	540		2,280
6.3	Construction Administration	4	660	4	620	8	1,080		2,700
6.4	Construction Staking			2	310	4	540	8	2,940
6.5	Construction Inspection			2				160	19,370
6.6	Materials Testing			2	310				13,680
6.7	Construction Close-Out	2	330	4	620	4	540		1,830
<b>Subtotal:</b>		<b>42</b>	<b>6,930</b>	<b>102</b>	<b>15,810</b>	<b>124</b>	<b>16,740</b>	<b>6,120</b>	<b>84,000</b>
						24	5,760	162	13,200
									Reimbursables (@3%) <sup>1)</sup> : \$ 2,520
									<b>Design, Bidding, and Construction Total: \$ 86,520</b>
									<b>Rounded Project Total: \$ 86,500</b>

**Notes:**  
 1.) Reimbursables Include Cost for Prints, Copies, Mileage, Etc.  
 2.) LOR: Geotechnical's Fee for Materials Testing

**Rates:**

Project Manager	\$ 165 /HR
Project Engineer	\$ 155 /HR
Assistant Engineer/Designer	\$ 135 /HR
Clerical	\$ 85 /HR
Survey Crew	\$ 240 /HR
Construction Inspector	\$ 120 /HR

**TKE Engineering, Inc.**