

CITY OF RIALTO - ENGINEERING DESIGN SERVICES FOR STORM DRAIN IN BASELINE ROAD FROM CACTUS BASIN WEST TO TAMARIND AVENUE																													
COMPENSATION (PROFESSIONAL FEES)																													
TASK NO.	Work Task or Item** DESCRIPTION	PRINCIPAL		SR. PROJECT MANAGER		CIVIL ENGINEER		DESIGNER		SURVEY MANAGER		PROJECT SURVEYOR		SURVEY TECHNICIAN		Field Crew (2-Person)		Converse Geotech		Dodson Env.		BUTSKO	C-Below	TOTAL HOURS	TOTAL FEE				
		HRS		COST		HRS		COST		HRS		COST		HRS		COST		HRS		COST						HRS		COST	
		CONCEPTUAL DESIGN																											
1.1	Kick-off Meeting	4	\$940	12	\$2,580																			16	\$3,520				
1.2	Status Meetings (10)	20	\$4,700	40	\$8,600																			60	\$13,300				
1.3	Environmental Support	1	\$235	4	\$860															\$26,500				5	\$27,595				
1.4	Geotechnical Engineering	1	\$235	4	\$860														\$25,905					5	\$27,000				
2.1	Data Collection			4	\$860				80	\$9,600														84	\$10,460				
2.2	Field Reconnaissance					20	\$3,100																	20	\$3,100				
2.3	Field Survey																							206	\$35,670				
2.4	Monument Perpetuation																							50	\$9,970				
3.1	Hydrology	2	\$470	16	\$3,440	100	\$15,500																	118	\$19,410				
3.2	Hydraulic Analysis	2	\$470	10	\$2,150	120	\$18,600																	132	\$21,220				
3.3	System Alternative Analysis	4	\$940	8	\$1,720			80	\$9,600															92	\$12,260				
4.1	Cost Estimates			8	\$1,720	20	\$3,100	80	\$9,600															108	\$14,420				
5.1	Design Plans	16	\$3,760	60	\$12,900	260	\$40,300	160	\$19,200															496	\$76,160				
5.2	Utility Relocations	8	\$1,880	20	\$4,300	200	\$31,000	40	\$4,800															268	\$41,980				
5.3	Water Quality Reports			16	\$3,440	80	\$12,400																	96	\$15,840				
5.4	Specifications			8	\$1,720	40	\$6,200																	48	\$7,920				
5.5	Legal Descriptions									1	\$195			16	\$1,840									17	\$2,035				
6.1	GIS Input					16	\$2,480																	16	\$2,480				
7.1	Bid Support	4	\$940	8	\$1,720																			12	\$2,660				
7.2	Construction Support**	8	\$1,880	24	\$5,160	120	\$18,600																	152	\$25,640				
Total Design and Construction Cost:		70	\$16,450	242	\$52,030	976	\$151,280	440	\$52,800	9	\$1,755	24	\$3,360	104	\$11,960	136	\$30,600		\$25,905		\$26,500		\$0		2,001	\$372,640			
B.1	Reimbursable Budget**																									\$7,500			
B.2	Dry Utility Coordination Budget																				\$86,000					\$86,000			
B.3	Subsurface Investigation Budget			2	\$430			40	\$4,800														\$20,255			\$25,485			
B.4	Appraisal Budget (if necessary)																									\$25,000			
B.5	ESA P1/Location - Budget (if necessary)																		\$5,000							\$5,000			

* Construction Staking is not included

**Reimbursable is Invoiced month at Cost plus 10%

521,625



2018 HOURLY RATE SHEET

Engineering

Principal-In-Charge	\$ 235.00
QA Manager	\$ 215.00
Sr. Project Manager	\$ 215.00
Project Manager	\$ 180.00
Sr. Civil Engineer	\$ 195.00
Sr. Structural Engineer	\$ 200.00
Sr. Mechanical Engineer	\$ 180.00
Sr. Electrical Engineer	\$ 185.00
Civil Engineer	\$ 155.00
Structural Engineer	\$ 165.00
Mechanical Engineer	\$ 165.00
Electrical Engineer	\$ 165.00
Plumbing Engineer	\$ 165.00
Engineer Intern	\$ 120.00
Sr. Designer	\$ 180.00
Designer	\$ 145.00
Sr. CADD Technician	\$ 125.00
CADD Technician	\$ 100.00

Administrative

Sr. Project Support	\$ 100.00
Project Support	\$ 65.00

Survey

Survey Manager	\$ 195.00
Sr. Project Surveyor	\$ 170.00
Project Surveyor	\$ 140.00
Survey Technician	\$ 115.00

Survey Crews

1-Person Survey Crew	\$ 160.00
2-Person Survey Crew	\$ 225.00
3-Person Survey Crew	\$ 295.00

Construction

Construction Manager	\$ 175.00
Resident Engineer	\$ 160.00
Sr. Project Representative	\$ 120.00
Resident Project Representative	\$ 95.00

Reimbursable Expenses

Consultants	Cost + 10%
Other Direct Costs	Cost + 10%
Mileage	IRS Standard Business Mileage Rate