

FEE SCHEDULE

SBCFCD

STORM DRAIN IMPROVEMENTS

RIALTO CHANNEL AND RANDALL AVENUE CROSSING

TASK DESCRIPTION	Project Manager	Senior Engineer/ QC	Project Engineer	Senior Designer	Design Engineer	Mapping Manager	Project Analyst	Survey Manager	2-Man Survey Crew	TOTAL Hours	Flat Fee	TOTAL
	\$195.00	\$190.00	\$155.00	\$150.00	\$135.00	\$170.00	\$102.00	\$175.00	\$226.00			
A. Project Management												
Project Administration	64	32					36			132		22,232.00
Project Meetings	72		54				32			158		25,674.00
Agency Coordination	160						60			220		37,320.00
Subtotal	296	32	54				128			510		85,226.00
B. Geotechnical Investigation												
Geotechnical Investigation											54,430.00	54,430.00
Subtotal											54,430.00	54,430.00
C. Survey, Mapping, and Investigations												
Aerial Topographic Survey								13	32	45	8,200.00	17,707.00
Design Survey								8	24	32		6,824.00
Preliminary Title Report Review						20				20		3,400.00
Research and Base Mapping						30				30		5,100.00
Utility Potholing								12	126	138	83,766.00	114,342.00
Utility Research and Coordination	32	32	160	192		25				441		70,170.00
Subtotal	32	32	160	192		75		33	182	706	91,966.00	217,543.00
D. Preliminary Engineering and Studies												
Review of 65% Construction Documents	4	8	94	20	4					130		20,410.00
Hydrology and Hydraulics Report		12	24		60					96		14,100.00
Subtotal	4	20	118	20	64					226		34,510.00
E. Randall Avenue Crossing - 75%, 95%, 100% Construction Documents												
Construction Drawings												
75% Submittal	1	7	16	56	216					296		41,565.00
95% Submittal	1	2	2	19	84					108		15,075.00
100% Submittal	1	2	1	12	24					40		5,770.00
Specifications												
75% Submittal	1	1		6	2					10		1,555.00
95% Submittal	1	1		5	1					8		1,270.00
100% Submittal	1	1		2	1					5		820.00
Cost Estimate												
75% Submittal	1	1	2	1	9					14		2,060.00
95% Submittal	1	1	1	1	5					9		1,365.00
100% Submittal	1	1	1	1	3					7		1,095.00
Subtotal	9	17	23	103	345					497		70,575.00
F. Rialto Channel - 75%, 95%, 100% Construction Documents												
Construction Drawings												
75% Submittal	4	20	40	396	672					1132		160,900.00
95% Submittal	2	8	12	105	468					595		82,700.00
100% Submittal	2	8	4	26	114					154		21,820.00
Specifications												
75% Submittal	2	4		40	8					54		8,230.00
95% Submittal	2	4		32	2					40		6,220.00
100% Submittal	1	1		12	2					16		2,455.00
Cost Estimate												
75% Submittal	2	2	8	2	60					74		10,410.00
95% Submittal	1	1	4	1	30					37		5,205.00
100% Submittal	1	1	2	1	20					25		3,545.00
Subtotal	17	49	70	615	1376					2127		301,485.00
G. Stormwater Pollution Prevention Plan (SWPPP)												
SWPPP-Randall Avenue Project										0	10,800.00	10,800.00
SWPPP-Channel Project										0	14,600.00	14,600.00
Subtotal											25,400.00	25,400.00
H. Structural Engineering (Mead & Hunt) - See Note												
Preliminary Engineering										0	44,270.00	44,270.00
Detailed Engineering & Design Randall Ave										0	35,204.00	35,204.00
Detailed Engineering & Design Rialto Channel										0	75,078.00	75,078.00
Project Administration & Expenses										0	40,216.00	40,216.00
Subtotal											194,768.00	194,768.00
I. Bid Phase Support(CASC and Mead & Hunt)												
Randall Ave Bidding Clarification support	24		24							48		8,400.00
Rialto Channel Bidding Clarification support	48		48							96		16,800.00
Subtotal	72		72							144		25,200.00
J. Construction Phase Support(CASC and Mead & Hunt)												
Randall Ave Construction Support	44		128							172	17,409.00	45,829.00
Rialto Channel Construction Support	150		360							510	127,790.00	212,840.00
Subtotal	194		488							682	145,199.00	258,669.00
K. Expenses												
Expenses										0	40,000.00	40,000.00
Subtotal											40,000.00	40,000.00
TOTAL	624	150	985	930	1,785	75	128	33	182	4,892	\$ 551,763	\$ 1,307,806

Note - Please see attached sheets for detailed estimate for subconsultants. The fee shown hereon is the subconultants proposals marked up 15%



COST ESTIMATE

STRUCTURAL ENGINEERING SUPPORT FOR RIALTO CHANNEL CROSSINGS

PHASE	DESCRIPTION	HOURS	FEE
1	Preliminary Engineering		
	- Document Collection and Review	40	\$7,854.00
	- Site Visit	16	\$4,854.00
	- Geotech, Engineering Coordination and Design	120	\$25,787.00
2	Randall Crossing Detailed Engineering and Design		
	- 75% Design Engineering and Review	50	\$7,175.71
	- 95% Design Engineering and Review	38	\$5,734.65
	- 100% Finalize Detailed Engineering & Design	34	\$4,527.15
	- QCIP, Specs and Construction Cost Estimate	70	\$13,174.49
3	Channels Detailed Engineering and Design		
	- 75% Design Engineering and Review	110	\$15,361.44
	- 95% Design Engineering and Review	110	\$15,361.44
	- 100% Finalize Detailed Engineering & Design	106	\$14,342.97
	- QCIP, Specs and Construction Cost Estimate	96	\$20,219.15
4	Randall Crossing Construction Support		
	- Meetings, Submittal and RFI Reviews, Support	88	\$15,138.00
5	Channels Construction Support		
	- Meetings, Submittal and RFI Reviews, Support	647	\$111,121.00
6	Project Administration		
	- Project Management and Accounting	132	\$27,875.00
	Expenses		\$7,095.00
TOTALS		1,657	\$295,591

Description	Estimated Quantity	Per Unit	Extended Cost
FIELD			
Staff Engineer: Mark Borings	6	\$130/hour	\$780.00
Project Engineer/Geologist	48	\$155/hour	\$7,440.00
Mobile B61 Drill Rig and Crew	48	\$310/hour	\$14,880.00
San Bernardino County Flood Control Permit(s)	1	T & M	T & M
Sub-Total:			\$23,100.00
LABORATORY			
Moisture Content/Dry Density	170	\$30/each	\$5,100.00
Laboratory Compaction Characteristics	9	\$170/each	\$1,530.00
Direct Shear	12	\$240/each	\$2,880.00
Sieve Analysis	12	\$100/each	\$1,200.00
Sand Equivalent	12	\$110/each	\$1,320.00
R-value	4	\$320/each	\$1,280.00
Corrosion Testing (14) and Report	1	\$3,960/each	\$3,960.00
Sub-Total:			\$17,270.00
OFFICE			
Clerical	12	\$75/hour	\$900.00
Drafting	6	\$90/hour	\$540.00
Project Engineer	24	\$155/hour	\$3,720.00
Principal Engineer	6	\$300/each	\$1,800.00
Sub-Total:			\$6,960.00
COST*:			\$47,330.00
* Does not include obtaining permit and the associated fees			

Bess Testlabs, Inc. Cost Proposal

December 23, 2021

area(s) of utility investigation services. BESS field crews will use a combination of water-based paint and pin flags (in the appropriate APWA color) to mark the results of our investigation on the ground surface. BESS will compare any available utility record information (supplied by client) with the results of field investigation services to ensure all utilities have been accounted for. Utilities not identifiable by BESS field crews due to lack of utility record information or above ground appurtenances will be marked with pink paint on the ground surface and annotated as "Unknown" on project deliverables.

Gravity lines such as sewer, storm sewer, irrigation, etc., typically cannot be located using the above methods due to lack of tracer wire or depth of the utility being beyond the limitations for GPR. In the event we cannot locate these utilities and precise location and depth is needed, vacuum excavation (potholing) or CCTV pipeline inspection would be required and can be provided for an additional fee.

Exclusions

The following are specifically excluded from our scope of services:

- Engineer Stamped Traffic Control Plans
- Complex traffic control and traffic calming devices beyond the use of arrow boards, traffic cones and advanced warning signage, to include but not limited to:
 - A. Message boards
 - B. Police Officers
 - C. Attenuators
 - D. Traffic Barrels
 - E. Concrete Barricades
 - F. Flaggers
- Removal of locate and/or USA markings
- Additional utility potholes and/or crew hours without written approval
- Special backfill and/or asphalt restoration requirements (e.g., hot patch asphalt, half-sack slurry, aggregate base backfill...etc.)
- Any services not specifically addressed within the Scope of Services above without written approval.)

Fee Proposal

BESS proposes to perform the above referenced scope of services for the lump sum of \$72,840.00, broken down as follows.

▪ Utility Potholing	\$33,600.00
▪ Traffic Control	\$13,540.00
▪ Project Coordination	\$1,500.00
▪ Traffic Control Plans	\$1,200.00
▪ Permits	\$1,400.00
▪ Pavement Repair (Hotpatching if Necessary)	\$21,600.00

Rates used for fees above are: ☐ Standard ☒ Prevailing Wage ☐ Night Rate ☐ Weekend Rate ☐ Overtime

Requests for additional services by written approval will be billed on a time and materials basis according to the attached fee schedule or based upon an approved scope and fee amendment.

Rates and Reimbursable Expenses

- Overtime applies after 8 hours of work and weekends.
- Hourly rates are portal to portal from our nearest office, unless specified otherwise.
- Hourly rates apply to day shift (typical BESS day shift hours are 7:00 AM to 3:30 PM).
- Prevailing wage and night rates will apply when necessary.
- Mileage expenses, if applicable, shall not exceed the rate established by the IRS for the current year.

