

Mockingbird Canyon Wash Geomorphology Study
Engineering Services Fee Worksheet

Exhibit "C" - Fee Schedule

	Hourly Rate	JE Fuller/Hydrology & Geomorphology, Inc.						RBF						Labor Total (Hrs)	Labor Total (\$)	Direct Expense*	Total Fee (\$)
		Principal	Project Manager	Senior Engineer	Engineer	Geomorph.	EIT	Principal	Senior Engineer	Design Engineer	GIS Analyst	CADD	Graphic Artist				
Task 1 - Initial Assessment	\$ 150.00	\$ 145.00	\$ 135.00	\$ 125.00	\$ 115.00	\$ 85.00	\$250.00	\$163.00	\$126.00	\$122.00	\$97.00	\$97.00	480	\$51,092.00	\$4,554.60	\$55,646.60	
1.A Review Historical Documentation					24	40							64	\$6,160.00	-	-	
1.B Field Reconnaissance and Geomorphic Assessment		8			40	8		40					96	\$12,960.00	-	-	
1.C Prepare Thalweg Profiles					16	48							64	\$5,920.00	-	-	
1.D Geomorphic Assessment					40	16							56	\$5,960.00	-	-	
1.E Geotechnical Investigation					40	16							56	\$5,960.00	\$2,000.00	-	
1.F Sediment Yield Analysis		4	40		4								48	\$6,440.00	-	-	
1.G Summary Report	2	8	4		32	16		4					66	\$7,692.00	-	-	
Hydrologic Analysis	0	4	0	0	4	0		4		0	0		12	\$1,692.00	\$84.60	\$1,776.60	
2.A Review of Hydrologic Analysis		4			4			4					12	\$1,692.00	-	-	
Existing Conditions Hydraulic and Sediment Transport Analyses	2	64	162	0	0	0		0		0	0		218	\$30,100.00	\$1,509.00	\$31,609.00	
3.A Existing Condition HEC-RAS Hydraulic Analysis		16	60										76	\$10,420.00	-	-	
3.B Existing Condition HEC-RAS Sediment Transport Analysis		8	60										68	\$9,260.00	-	-	
3.C Existing Condition Hydraulic/Sed Transport Analyses Report	2	40	32										74	\$10,420.00	-	-	
Task 4 - Stabilization Plan and Hydraulic and Sediment Transport Analyses	2	132	176	120	4			50	64	4	80	16	674	\$88,694.00	\$4,434.70	\$93,128.70	
4.A With-Project HEC-RAS Hydraulics		8	40										48	\$6,560.00	-	-	
4.B With-Project HEC-RAS Sediment Transport		8	40										48	\$6,560.00	-	-	
4.C Demonstration of Stability at Critical Locations		20	24	40									84	\$11,140.00	-	-	
4.D Sediment Balance-Stable Slope Analysis		4	40		4								48	\$6,440.00	-	-	
4.E Proposed Improvements Ranking/Prioritization Process		16		4			2	12	20				54	\$7,796.00	-	-	
4.F Conceptual Level 100-Scale Stabilization Plan		8		40			2	20	40	4	80		194	\$23,208.00	-	-	
4.G Preliminary Cost Estimate		8	4	16				2	16				46	\$6,042.00	-	-	
4.H Recommended Wash Stabilization Improvements Report	2	60	28	20			2	16	8			16	152	\$20,948.00	-	-	
Task 5 - Alternative Residential Access Plan	0	8	0	0	0			44	64	4		0	180	\$25,764.00	\$1,289.20	\$27,053.20	
5.A Alternative Residential Access Analysis							8	16	60	4	40		128	\$16,536.00	-	-	
5.B Preliminary Cost Estimate for FINAL Alternative Residential Access							2	4	24				30	\$4,176.00	-	-	
5.C Alternative Residential Access Analysis Report		8						24					32	\$5,072.00	-	-	
Task 6 - Project Management	0	20	0	0	10	0	8	8	0	0	0	0	46	\$7,354.00	\$167.70	\$7,521.70	
6.A Milestone and Project Progress Meetings (Teleconf. and/or WebEx)		8			2		2	2					14	\$2,216.00	-	-	
6.B Stabilization Alternatives Meeting (at District)		2			2		2	2					8	\$1,346.00	-	-	
6.C Alternative Residential Access Plan Meeting (at District)		2			2		2	2					8	\$1,346.00	-	-	
6.D General Coordination		8			4		2	2					16	\$2,446.00	-	-	
TOTALS:	6	248	372	120	214	144	24	150	168	8	120	16	1590	\$204,716.00	\$12,235.80	\$216,951.80	

Notes:

*Direct expense estimate based on 5% of Labor Total and laboratory testing (Sieve Analysis, Task 1.E) fee for 10 samples.