



Water Resources ♦ Flood Control ♦ Water Rights

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October 4, 2017

Mr. Tim Kerr
American River Flood Control District
185 Commerce Circle
Sacramento, CA 95815

Mr. Pete Ghelfi
Sacramento Area Flood Control Agency
1007 7th St., 7th Floor
Sacramento, CA 95814

Subject: Proposal for 2017 Lower American River Streambank Erosion Monitoring

Gentlemen:

I am submitting the enclosed Scope of Work and proposal for this year's effort to monitor erosion of the banks of the Lower American River (LAR).

We anticipate that our effort for field work will take place in October and report preparation will take place this fall. The effort will be coordinated with Sacramento Area Flood Control Agency (SAFCA), American River Flood Control District (ARFCD), and Sacramento County Department of Regional Parks. The monitoring process will include visual observations of the streambanks along the American River, downstream of River Mile (RM) 12, and observations of the Sacramento River from the confluence with the American River to RM 60.0. We will compare the field observations with our existing two-dimensional hydraulic model velocity plots. We have budgeted for a presentation of the results to the ARFCD Board and the LAR Task Force.

MBK Engineers efforts are charged on an actual time and materials basis in accordance with our current fee schedule (attached as Exhibit 2). This investigation and report is expected to be completed for \$21,298. This work will be cost-shared 50/50 between SAFCA and ARFCD. Exhibit 1 shows an estimate of the approximate work hours for the anticipated effort.

We appreciate the opportunity to assist you and support the activities necessary to monitor erosion on the LAR.

Sincerely,
MBK ENGINEERS

Ric Reinhardt, P.E.

RR/bj
1479.0 PROPOSAL FOR 2017 LAR STREAMBANK EROSION 2017-10-04

SCOPE OF WORK

Field Investigation

Senior Engineer (Kynett)	13 hours	\$2,561
Senior Engineer (Janowiak)	13 hours	\$2,327
Water Resource Associate (Bachman)	10 hours	\$1,480
Assistant Engineer (Benton)	10 hours	\$1,240
Boats (4 drift boats total)	1 day	\$1,600

Report Preparation

Principal	8 hours	\$1,840
Senior Engineer (Kynett)	10 hours	\$1,970
Senior Engineer (Janowiak)	20 hours	\$3,580
Water Resource Associate	10 hours	\$1,480

Presentation

Principal	4 hours	\$ 920
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General Coordination

Principal	2 hours	\$ 460
Senior Engineer (Kynett)	2 hours	\$ 394
Senior Engineer (Janowiak)	2 hours	\$ 358
Water Resource Associate	4 hours	\$ 592
Assistant Engineer	4 hours	\$ 496

TOTAL		\$21,298
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SCHEDULE OF FEES

1. Standard Fees:

	<u>Per Hour</u>
Principal	\$200–260
Supervising Engineer	\$170–230
Project Manager	\$160–230
Senior Engineer	\$140–210
Engineer/Hydrologist	\$120–180
GIS Professional	\$120–180
Water Resources Associate	\$100–160
Assistant Engineer	\$100–150
Prevailing Rate Surveyor, Chief of Party	\$163
Prevailing Rate Surveyor, Rodman/Chainman	\$148
GIS Specialist	\$80–140
Technician/Drafter	\$80–140
Junior Engineer	\$75–110
Engineering Aide	\$50–80
Technical Editor	\$50–125
3-Man Survey Crew	\$250
2-Man Survey Crew	\$220

2. Time spent in appearances at courts or quasi-judicial State or Federal boards and commissions is billed at \$450 per hour for principals and supervising engineers, \$400 per hour for registered engineer staff, and \$250 per hour for other staff.

3. Automobile mileage is billed at the Federal reimbursement rate. Local mileage (less than 20 miles) will not be billed.

4. All other direct non-salary expense, including transportation and subsistence, long-distance telephone charges, commercial printing, reproduction costs, and similar out-of-pocket expenses are billed at actual cost plus a service charge of 10%. Use of GPS equipment is billed at \$50 per hour. Use of MBK owned boat will be billed at \$100/day. Professional services provided by others billed through MBK at cost plus a service charge of 5%–15%.

5. Billings will be made monthly and payment will be due within 45 days. Accounts not paid within 90 days of presentation will bear interest at the rate of 1½% per month or fraction thereof from the billing date unless other arrangements are made in advance.

6. If accounts are not paid within 90 days of presentation, the firm may retain an attorney to obtain payment. In the event that it does so and payment of all or part of the account is thereafter obtained, reasonable attorney's fees and other costs incurred to obtain such payment shall also be paid, or if payment is obtained by Judgment, shall be awarded as part of the Judgment.

EXHIBIT 2