

1 [Professional services agreement to provide geotechnical and tunnel engineering services]

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3 **Resolution authorizing the General Manager of the San Francisco Public Utilities**
4 **Commission to execute a professional services agreement with Jacobs Associates for**
5 **an amount not to exceed \$14,800,000 to provide geotechnical and tunnel engineering**
6 **services for the Bay Division Pipelines Reliability Upgrade Project.**

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8 WHEREAS, A 5-mile tunnel, the Bay Tunnel, is proposed under the south end of San
9 Francisco Bay to contain the new Bay Division Pipeline No. 5; and

10 WHEREAS, Specialized geotechnical and tunnel engineering services need to be
11 procured for the design of the Bay Tunnel under San Francisco Bay and the sensitive salt
12 marsh; and

13 WHEREAS, The work under this agreement consists of providing geotechnical and
14 tunnel engineering services for the construction of the Bay Tunnel, a component of the
15 Preferred Engineering Alternative of the Bay Division Pipelines Reliability Upgrade Project.

16 WHEREAS, The Preferred Engineering Alternative will improve the reliability of daily
17 water delivery to customers, reduce potential damage associated with earthquakes, and
18 provide capacity to meet 2030 water demands; and

19 WHEREAS, Services are anticipated to begin in August 2005 and end in August 2012
20 and the duration of this agreement is seven years; and

21 WHEREAS, SFPUC staff and HRC review of the proposals resulted in the
22 establishment of Jacobs Associates as the best qualified consulting firm; and

23 WHEREAS, The total cost of the professional service agreement is estimated to be
24 \$14,800,000; and

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1 WHEREAS, Funds will be available at the time of award from Project No. CUW36801,
2 Bay Division Pipelines Hydraulic Capacity Upgrade. Initial funding will be provided to support
3 the geotechnical and tunnel design services for FY05-06. Additional funding will be needed in
4 succeeding years to sustain ongoing design and construction support efforts; now, therefore,
5 be it

6 RESOLVED, That an expenditure of funds is approved to execute a professional
7 services agreement with Jacobs Associates for an amount not to exceed \$14,800,000 to
8 provide geotechnical and tunnel engineering services the Bay Division Pipelines Reliability
9 Upgrade.

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