

BASIN RESEARCH ASSOCIATES



SFPUC WSIP PROJECTS | Alameda, San Mateo, Santa Clara, Tuolumne, Stanislaus and San Joaquin Counties, CA



Clients

Jacobs Engineering
PMA Consultants

Completion Date

2012

Staff Members

Colin Busby, Ph.D., RPA
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Christopher Canzonieri, M.A.
Stuart Guedon, M.A.
Christine Marshall, MSc.
Melody Tannam, B.A.
Johanna Twigg, MSc.

Project Duration

Start (2009) – In Progress

Reference

Prime Client

Jacobs Engineering
San Francisco, CA 94015

Agency

SFPUC - Bureau of
Environmental Management
Kerry O'Neill
Env Construction Compliance
Manager

Project Was Performed on Schedule and Within Budget

IN PROGRESS



BASIN provided pre-construction identification and evaluation services for cultural resources and is now providing construction related archaeological services and Native American consultation for the East Bay, South Bay and Peninsula spreads of the San Francisco Public Utilities Commission (SFPUC) Water System Improvement Program (WSIP) in Alameda, Santa Clara and San Mateo counties. This multiyear project involves the construction of the 21-mile long Bay Division Pipeline 5 (BDPL), parallel to and within the SFPUC right-of-way (ROW) in the foothills of the City of Fremont, Alameda County to the Pulgas Tunnel Portal near Redwood City in unincorporated San Mateo County on the San Francisco Peninsula. Additional ancillary work includes locations in Santa Clara County and point specific seismic upgrades to BDPL 3 & 4 in Alameda County.

In addition, **BASIN** is also providing cultural resources services during construction of the San Joaquin Pipeline (SJPL) System Project, a 47.5 mile water conveyance system of three pipelines crossing the San Joaquin Valley from western Tuolumne County through Stanislaus County to the Coast Range Tunnel at Tesla Portal in San Joaquin County.



BASIN's staff is responsible for implementing federal and state EIR/EIS mitigation requirements pre-construction and during construction in accordance with WSIP guidelines. Compliance projects to date have included development of archaeological identification evaluation programs and their implementation in accordance with federal, state and SFPUC guidelines; archaeological inventory of sensitive areas; prehistoric site identification and evaluation including site testing; development of *Archaeological Monitoring Plans* based on local archaeological sensitivity models, implementation of mitigation monitoring, review and evaluation of unexpected discoveries during construction including Native American burials; Native American consultation and coordination to provide services during monitoring and burial removal; and, built environment reviews to meet SFPUC and other regulatory agency requirements.

BASIN's successful approach involved pre-construction and construction coordination with the SFPUC Bureau of Environmental Management, the archaeological review staff of the City of San Francisco Planning Department, the U.S. Army Corps of Engineers, the California Department of Transportation, the Project Construction Management Team, Environmental Inspectors and other contractors including Native American Consultants to respond to construction needs in a timely manner. These actions required staff involvement at all levels of the **BASIN** team with field staff often providing leadership and initiative in meeting both construction scheduling and widely varying daily staffing requirements dependent on short notice construction activities. **BASIN** management accelerated and prioritized reporting requirements and facilitated decision meetings to meet time critical agency schedule requirements for construction. Teamwork and "lessons-learned" scheduling at all responsibility levels resulted in no or only minimal delays to the construction effort.