

DOYLE DRIVE REPLACEMENT PROJECT, SAN FRANCISCO



The Doyle Drive Replacement Project will upgrade approximately 1.8 miles of Doyle Drive (State Highway 101), which connects the Golden Gate Bridge to the rest of San Francisco. Starting in 2000, Baseline performed preliminary evaluations of hazardous materials and hydrogeologic conditions to identify potential significant impacts for the design alternatives, and assisted in preparation of the technical reports and the Draft and Final Environmental Impact Statement/Report, which was approved in December 2008. The Presidio Trust, Caltrans, National Park Service, and Federal Highway Administration were participating agencies in the environmental review.

Hazardous materials issues included the presence of petroleum hydrocarbons and other chemicals from former land uses at the base, aerially-deposited lead from vehicle exhaust, and naturally-occurring asbestos.

Baseline conducted an extensive soil and groundwater investigation within the project footprint before construction, to develop soil and groundwater reuse and disposal options, appropriate worker health and safety measures, and management procedures for excavated material to be implemented during project construction. Potential reuse of soil within the Presidio was evaluated by comparison with the Presidio Trust's detailed site-specific reuse criteria. Off-site reuse options were evaluated by comparison with local agency requirements. Extensive chemical data were managed and evaluated against comparison criteria using an Access database. Using innovative soil pre-characterization methods and sophisticated statistical and database management techniques to determine how to maximize on-site soil reuse and minimize soil handling, Baseline saved the project sponsors hundreds of thousands of dollars in spoils handling, hauling, and disposal costs.



