

Scour Analysis & Slope Protection

Plunge Creek Channel, City of Highland, CA

Client

*Pulsar Development
11766 Wilshire
Boulevard, Suite 400
Los Angeles, CA 90025*

Project Location

Highland, CA

Contact

James De Aguilera

Completion Date

1994



The Plunge Creek Bridge had to be replaced and the Plunge Creek Channel had to be improved per San Bernardino County Flood Control (SBCFC) requirements. JBA was retained to perform a scour analysis to determine the proper depth of bridge abutments and to engineer necessary slope protection for Plunge Creek.

A hydrology and hydraulics study was also performed utilizing its proprietary in-house software, which has been approved by SBCFC. The scour analysis was performed using the U.S. Army Corps of Engineers HEC-6 software.

Project Staff

Joseph S.C. Bonadiman, P.E. – *Principle Engineer*

Dennis W. Jackson, P.E. – *Project Engineer*

