



Devil's Slide Tunnels Traffic Control System

Client: Caltrans

Location: Pacifica, CA



System Features

- DYNAC®
- Environmental Monitoring
- Telephone
- CCTV
- Radio Rebroadcast
- Intrusion Detection
- Ventilation



Owned and operated by Caltrans, the \$322-million Devil's Slide project is located on State Route 1 in San Mateo County fifteen miles south of San Francisco between the City of Pacifica and the town of Montara, California. The tunnels project will provide an alternative route to bypass a geologically unstable portion of the existing State Route 1 which is subject to lengthy closures, high maintenance costs, and risk of permanent failure.

The project, scheduled for completion by 2010, will construct approximately 6,500 feet of roadway along State Route 1 consisting of two parallel tunnels each with one vehicle lane, eleven cross-passages, a north portal approach including parallel bridges, and a south portal approach.

Transdyn is providing a tunnel control system, environmental monitoring, telephone, CCTV, radio rebroadcast, intrusion detection, and ventilation control systems. Hardware, configuration, and testing will also be supplied by Transdyn to provide Caltrans with a complete monitoring and control system for the tunnels.

The Caltrans Oakland Traffic Management Center (TMC) will remotely maintain normal control of the tunnels. In emergency situations, the tunnels will also have the capability to be controlled from the Operations and Maintenance Center (OMC).

Caltrans (www.ca.gov) manages more than 45,000 miles of California's roadway lanes and provides inter-city rail services. The department improves mobility across California with six primary programs: Aeronautics, Highway Transportation, Mass Transportation, Transportation Planning, Administration and the Equipment Service Center.