

HIGH ST SEISMIC RETROFIT PROJECT

FACT SHEET



The Project

This project is one of the few remaining Phase 2 Seismic Retrofit Program projects in the State. The project proposes to replace the High Street Overhead Structures on I-880. The Overhead consists of two parallel structures, one for each direction of travel. The project will reconfigure the State Route 77/42nd Avenue Interchange with I-880 to a partial diamond interchange with at-grade intersections.

The Need

The existing High Street structure is vulnerable to damage in the event of a major earthquake. Some of the seismic deficiencies included an inadequate foundation design, improperly restrained hinges with insufficient seats, and a foundation supported by untreated timber piles. In addition to these seismic related deficiencies, there were other issues with the structure related to the age of the structure which was originally constructed in the late 1940s. These age related issues include a worn deck in need of replacement, nonstandard horizontal and vertical sight distance and narrow nonstandard shoulders. In just the past two years, the structure has been temporarily closed three times for several hours for emergency work to repair wholes in the deck caused by failed concrete. Because of these seismic and age related deficiencies, it was determined that it is better to replace the structure rather than to retrofit the existing bridge.

Benefits

This project will replace a major structure on I-880 that has been determined to be seismically deficient and if damaged would threaten public safety and the integrity of I-880 which is a vital part of the Bay Area's transportation system serving local and regional commuters' needs as well as the Port of Oakland, Oakland International Airport, major U.S. Postal Mail and UPS facilities, downtown Oakland and the Oakland/Alameda County Coliseum complex.

Partnership

This project is developed through a partnership of the Cities of Oakland and Alameda as well as the Alameda County Congestion Management Agency.

Project Status

The construction contract was advertised on April 20, 2009. Construction is anticipated to begin construction in the Fall of 2009.

Project Costs

The construction cost is estimated at \$100 million.

Project Schedule

Start Construction: Fall 2009
Finish Construction: Summer 2014

Summary

The High Street Seismic Retrofit Project will replace an aging and seismically deficient structure on Interstate 880 which is a goods movement corridor vital to the health of the Bay Area economy.

