



Rancho Palos Verdes, California

Palos Verdes Drive East & Palos Verdes Drive South Roadway Stabilization Project

Palos Verdes Drive East (PVDE) and Palos Verdes Drive South (PVDS), are critical transportation routes within Rancho Palos Verdes. Due to a sensitive location near unstable San Ramon Canyon, there is a strong probability of a catastrophic roadway failure with the potential to take lives, destroy homes, cut off transportation, and limit access to crucial facilities.

THE PROBLEM

The erosion of San Ramon Canyon has accelerated at an alarming rate since the 2005 storm events which resulted in a Presidential disaster declaration. Geologists and engineers conclude that the instability translates into probable roadway failure. The Canyon's streambed is now only a mere 86' from one of two hairpin turns on PVDE. Erosion of the bank will cause complete roadway failure; reconstruction will be impossible. **If PVDE is rendered useless, it cannot be reconstructed, severely altering transportation routes for emergency personnel and residents.**

For PVDS, every storm event requires emergency response to keep the road open. In a recent very dry year, emergency response was still necessary eight times to remove silt and debris. **If PVDS collapses, the debris flow will endanger over 250 homes and 500 senior residents located roughly 270 feet below San Ramon Canyon. Homes will be destroyed, residents will be at risk, and emergency operations will be severely compromised.**



Aerial Overview. Erosion conditions are accelerating; roadway failure is probable with reconstruction impossible.

VITAL TRANSPORTATION ROUTES and LIFE SAFETY

PVDE and PVDS are **crucial roads for emergency evacuations, emergency service providers, and access to staging areas for regional fire safety personnel.** In addition, PVDE and PVDS are essential routes to government facilities and widely used transportation networks.

Project Supporters (partial list):

- Roderick D. Wright, CA State Senator
- Alan Lowenthal, CA State Senator
- Bonnie Lowenthal, CA Assemblymember
- Don Knabe, LA County Supervisor
- Janice Hahn, LA City Councilmember
- Steve Wolowicz, RPV Mayor
- Thomas D. Long, RPV Mayor Pro Tem
- Brian Campbell, RPV Councilmember
- Anthony M. Misetich, RPV Councilmember
- Douglas W. Stern, RPV Councilmember

Palos Verdes Drive East is one of only two access roads for a Federal Aviation Administration's communication facility; headquarters for air traffic control computer technology managing some of the most complex airspace in the country.

Palos Verdes Drive South is a vital transportation link for local residents and contributes to the overall efficient circulation for through traffic to the Coast Guard facilities at Point Vicente, the Ports of Los Angeles and Long Beach, and Interstate 110.

The 43,000 residents of Rancho Palos Verdes and the entire population of the Palos Verdes Peninsula depend on PVDE and PVDS for essential transportation and safety needs. Roadway failures would compromise

immediate access for fire, police and emergency personnel, greatly increase commute times, destroy two vital transportation links to government facilities, and significantly decrease economic revenue by limiting access to businesses, local attractions and amenities, including world-class resorts.

THE SOLUTION

The Palos Verdes Drive East and Palos Verdes Drive South Roadway Stabilization Project involves planning, engineering, environmental clearance and mitigation, right-of-way acquisition, and construction of significant drainage restoration work to stabilize Palos Verdes Drive East and Palos Verdes Drive South. Total estimated cost of the project is \$19.5 million.



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Key Site Features

-  **San Ramon Canyon.** Instability of Canyon is accelerating at alarming rate. Failure will severely impact local circulation, economy, and emergency response.
-  **Open space** subject to wildfire hazard. PVDE provides access to critical staging areas for emergency personnel.
-  **Stabilization Sites.** Stabilize approximately one mile of PVDE. PVDE cannot be reconstructed if Canyon fails. Stabilize approximately 300 feet of PVDS. The two hairpin turns on PVDE are less than 100 feet from the Canyon edge. Actual construction work will occur in San Ramon Canyon.
-  **Federal Aviation Administration** communications center located approximately 2.8 miles north of project site. PVDE is only one of two access points to facility that controls all Southern California airspace.
-  **Over 250 homes** and 500 senior residents in harm's way. Homes are located roughly 270 feet below San Ramon Canyon.
-  **U.S. Coast Guard Facility** located approximately 4.5 miles west of project site.
-  **Ports of Long Angeles and Long Beach** located approximately 3.5 and 8.4 miles east of project site, respectively.