

SAN RAMON CANYON/25TH STREET STABILIZATION PROJECT

Website Up-date: 3/07/11

The Project Study Report for the San Ramon Canyon was formally received by the City Council on January 18, 2010. It was decided that because of the size, importance and the multi-jurisdictional nature of the project, a full discussion of the document and recommendations should be held in the form of a workshop. There is an intense public interest in the project and a workshop provided the forum for an open discussion with input from the public. The workshop was held on March 1, 2011.

The Project Study Report:

The pros and cons of the two most appropriate systems were discussed in detail. The alignment of each system was discussed in some detail in previous updates, so this discussion is limited to the merits of each:

Alternative 1A - The Tunnel Alignment, has the advantages of being an all new system, that does not rely on any existing storm drains, is totally within the city of RPV and so under a single agency, has very little requirement for easement acquisition and has a lower environmental impact than the other system. However the planning level costs show it to be 7% more expensive.

Alternative 2A - The Canyon Alignment, is slightly the cheaper of the two systems, however it must be pointed out that the cost of obtaining easements/right of way are purely estimates and could cost far more and be time consuming. In addition, the alignment would rely on an existing down-stream drainage system within the City of Los Angeles, which has not been extensively studied because of jurisdictional issues. This pipeline may require more extensive upgrades than currently projected and included in project estimates, leaving a higher degree of uncertainty as to costs. The environmental approval will be more extensive.

Early Action Projects to Stabilize Switchbacks:

Roadway Stabilization: The design for the caisson road stabilization is about 70% complete and environmental approval for the project has already been granted. The plan is to have the completed design complete and ready to be constructed should the need arise. The canyon is slowly eroding westward at the lower switchback and is projected to be at the point of destabilizing the roadway in 5 to 10 years. The advancement of the canyon is being monitored and should the need arise, the caisson protection could be constructed in 3-months. However, when the ultimate project is constructed, the interim solution will become obsolete. The City prefers not to spend the money installing the system unless it becomes necessary, which is likely to save the City \$2 million in the long term.

Stability Monitors: The City will be installing 9 monitors around the canyon to monitor land movement from the present up to construction of the storm drainage system. During construction the monitoring will be stepped up and will continue long after the construction is completed. These monitors will give a clear indication of any movement in the general area and act as an early-warning system.

Relocation of the Sewer Main: An 8" sewer main is located parallel to the canyon between the switchbacks and the canyon. The advancing canyon has got to a point where the sewer line is now dangerously close to the edge of the canyon and needs to be replaced. The installation of the storm drainage system would stabilize the sewer, however it is unlikely to be constructed for at least 2-years and so the sewer

need to be relocated at this stage. On 3/1/11, the City Council approved immediately proceeding with the design to relocate the sewer.

Schedule: The design of the storm drainage system could be complete in 9-months after the notice to proceed is given to the designer, with full bid documentation complete in about 12-months. The environmental approval will take 9-24 months after the completion of the design. The project could be ready for construction in 18-33 months from the notice to proceed with the design.

Funding: The Tunnel Alignment, which was the alternative selected by the City Council is estimated to cost \$19.2 million. The city is actively seeking funding from the Federal Government for at least half of the cost and will be applying for a State grant for the balance of the cost. The City is optimistic that funding for at least half the project cost is obtainable and likely to be far more. In addition there are major advantages to both the City of Los Angeles and Los Angeles County to have the storm drain constructed within RPV and both Agencies are providing support for the funding.

Next Steps:

Staff will be soliciting proposals for the design of the storm drainage system and it is hopeful that work on the design will start with the next few months. The switch back stabilization design is expected to be completed during March 2011 and the land movement monitors will be installed in the next few weeks. It is anticipated that the sewer will be relocated before the start of the next rainy season.