The Carlsbad trench project though similar in construction techniques has several differences from South Palo Alto Trench Project that can influence the project costs. Some of these differences are as follows:

- The maximum trench depth for Carlsbad Trench Project is estimated between 25-30 feet, whereas the South Palo Alto Trench depth varies up to 37 feet.
- Only one-track shoefly arrangement is planned for the Carlsbad project, whereas the two-track shoefly arrangement is required and planned for the South Palo Alto Project.
- No electrification of the proposed railroad and/or temporary shoefly is included in the Carlsbad Trench Project.
Carlsbad Trench Project

- Carlsbad Trench uses track design speeds of 90 mph for passenger and 55 mph for freight, whereas 110 mph passenger trains is used as design speed for the Caltrain corridor in the South Palo Alto Trench design.

- Carlsbad Trench project is estimated to be completed in 4 years, whereas the South Palo Alto Trench project is estimated to be complete in 6 years.

- No major facility requiring significant permitting from federal and state permitting agencies such as Barron Creek or Adobe Creek is planned for in the Carlsbad Trench Project. The 48” sewer and 84” storm drain, which are City facilities are planned to be modified in accordance with City of Carlsbad requirements.
Carlsbad Trench Project
Carlsbad Trench Project