

CALTRAIN ELECTRIFICATION



SAN JOSE FACT SHEET | July 2019

PROJECT OVERVIEW

Over the last decade, Caltrain has experienced a substantial increase in ridership and anticipates further increases in ridership demand as the Bay Area’s population grows. Caltrain Electrification, scheduled to be operational by 2022, will electrify and upgrade the performance, operating efficiency, capacity, safety and reliability of Caltrain’s commuter rail service.

Caltrain Electrification is a key component of the Caltrain Modernization Program and consists of replacing diesel-hauled trains with electric trains for service between Fourth and King Street Station in San Francisco and the Tamien Station in San Jose. The project will include the installation of new electrical infrastructure and the purchase of electric vehicles.

CONSTRUCTION ACTIVITIES

In December 2017, Caltrain began performing work along the railroad corridor in San Jose.

The activities during this time included locating underground utilities, testing soil conditions, inspecting signal/communication equipment, potholing, and pruning/removing trees in preparation for the installation and operation of the Overhead Contact System that will power electric trains.

DATE	WORK ACTIVITY	DURATION
In Progress	Potholing	2-3 months
In Progress	Foundation Construction	4-5 months
In Progress	Traction Power Substation Construction	2-3 months
In progress	Paralleling Station Construction	3-4 months
Fall 2019	Pole/Wire Installation	3-4 months
August 2019	Signal House Construction	1-2 months

Expected durations indicates first and last day of activity. Number of actual work days will be fewer.

FOUNDATION INSTALLATION

Foundation construction is underway and will continue over the duration of 4-5 months. Activities for the foundation construction will include excavation, placement of rebar, concrete fill and electrical grounding. Foundation are typically spaced 180 feet apart along the corridor and crews can complete a total of 2-6 foundations per night.

POLE AND WIRE INSTALLATION

Pole and wire installation will start fall 2019 and continue for a duration of 3-4 months. Caltrain will be installing approximately four hundred sixty (460) poles along the Caltrain Right-of-Way in the San Jose corridor. Poles will vary in height from 30 feet to 50 feet. Poles will be spaced approximately 180 feet apart.

TRACTION POWER SUBSTATION

Installation of the Traction Power Substation (TPS) is underway and continue for 2-3 months. The TPS is an unmanned station that will provide electrical power to the electric trains through the Overhead Contact System. The TPS will be installed directly south of Interstate 880 at Stockton Avenue and will have a footprint of 300 'x 150'. The footprint will contain the substation house, six disconnect-switches, two transformers, an access road and a parking lot. Installation of the TPS will also include installation of gantry structures up to 50 feet high

PARALLELING STATION CONSTRUCTION

Installation of the Paralleling Station is underway and continue for 3-4 months. The Paralleling Station is an unmanned facility that will provide and regulate electrical power to the electric trains through the Overhead Contact System. Installation of the Paralleling Station will also include installation of two gantry structures up to 50 feet high.

FOR MORE INFORMATION

calmod.org

CONTACT

MAIL: 2121 S. El Camino Real, Suite 300
San Mateo, CA 94403

650.399.9659
 calmod@caltrain.com



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SIGNAL HOUSE CONSTRUCTION

Signal House construction will start August 2019 and continue for a duration of 1-2 months. The new Signal House will replace the existing signal house on Caltrain property near Fuller Avenue and Delmas Avenue.

A temporary construction fence will be installed at the Caltrain right-of-way adjacent to construction in order for crews to stage equipment to support construction and to provide access for construction activities. The existing fencing will be relocated once construction is complete to accommodate grade changes. The staging area is located on property owned by Caltrain and leased to the City of San Jose.

WORK HOURS

Work will take place during the day and at night, with night work occurring between 8 p.m. and 6 a.m. There may be occasional 24-hour work on weekends. Caltrain will work with contractors to minimize night work to limit the impact to surrounding communities; however, some work must be performed at night in order to maintain regular Caltrain service.

To mitigate noise and other impacts during night and weekend activities, the field team will use acoustical noise barrier blankets and will position lights away from residential and business areas. Caltrain has established a dedicated project hotline and email for residents concerned about these potential impacts.

CONTACT INFORMATION

Caltrain has established a project information line and project e-mail for Caltrain Electrification to record and respond to questions and comments from residents and stakeholders.

The project information line can be reached at **650.399.9659** or toll free at **800.660.4287**

The project e-mail is calmod@caltrain.com

In addition, Caltrain has established a community outreach office at:

2121 S. El Camino Real
Suite A-100
San Mateo, CA 94403

A project representative will be available to answer questions in person by appointment Mondays through Fridays during construction.

Sign up for weekly construction updates at:
www.calmod.org/get-involved

SIGNAL HOUSE WORK AREA





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 calmod.org

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