



## Santa Cruz Metropolitan Transit District MetroBase Consolidated Facility Santa Cruz, California

### Civil and Structural Engineering



#### Client Reference:

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**Budget:** \$38 million

We provided all civil and structural engineering for this core part of Santa Cruz County's transportation infrastructure to essential facility standards. This facility consolidated seven separate existing facilities spread throughout the County into a single centralized facility. MetroBase consists of three buildings (Operations, Maintenance and Service) totaling 98,500 gsf on two nearly adjacent sites totaling 5.2 acres.

The 53,750 sf Operations Building is a four story cast-in-place, reinforced concrete structure supported on a 90' deep driven concrete pile foundation system.

The 35,000 sf Maintenance Facility is a two story concrete tilt up building with a mix of masonry and steel infill supported on a conventional spread footing foundation.

The 9,750 sf Service Building is a 28' tall, one story reinforced CMU building with a steel roof supported on a driven concrete pile foundation system.

The River Street site provides parking for 104 buses and 18 passenger vehicles. Because it is located in the flood way of the San Lorenzo River, we designed a state-of-the-art storm drain system with two separate outfall structures discharging into the river.



*Artist Rendering*