

# San Francisco County Transportation Authority

## Prop K/Prop AA Allocation Request Form

<b>FY of Allocation Action:</b>	FY2018/19
<b>Project Name:</b>	BART Station Bicycle Parking and Access Improvements
<b>Grant Recipient:</b>	Bay Area Rapid Transit District

### EXPENDITURE PLAN INFORMATION

<b>Prop K EP categories:</b>	Bicycle Circulation/Safety
<b>Current Prop K Request:</b>	\$550,000
<b>Supervisory District(s):</b>	District 03, District 06, District 08, District 09

### REQUEST

#### **Brief Project Description**

Improve bicycle parking and access at the 16th St Mission, 24th St Mission, Civic Center, and Embarcadero BART stations. Improvements include: 1) additional bicycle parking at the 16th St Mission and 24th St Mission BART stations, 2) stair channels at the 24th St Mission, Civic Center and Embarcadero BART stations, and 3) bike station modernization and reconfiguration at the Embarcadero and Civic Center BART stations.

#### **Detailed Scope, Project Benefits and Community Outreach**

This project will improve bicycle parking and access at four BART stations :16th St Mission, 24th St Mission, Civic Center, and Embarcadero BART stations. Improvements include: 1) additional bicycle parking at the 16th St Mission and 24th St Mission BART stations, 2) stair channels at the 24th St Mission, Civic Center and Embarcadero BART stations, and 3) bike station modernization and reconfiguration at the Embarcadero and Civic Center BART stations. These components are described in more details below. See attached fact sheet and station drawings for more details.

1) Ten Bikeep smart racks will be installed at the 16th St Mission BART Station and 20 Bikeep smart racks will be installed at the 24th St Mission BART Station. These will be installed on the concourse level of the stations, inside the paid area. This project will address ongoing bike theft problems at these two stations. Bikeep is a high-security smart rack system that's relatively new in the US and provides significantly greater locking protection than a traditional rack and U-lock. BART is one of the first public agencies to test this system in this country. Currently, three BART stations have Bikeep racks installed: 16th St Mission, Pleasant Hill and Hayward. There are currently 10 Bikeep racks at the 16th St Mission station. The system has been configured to operate with Clipper as a user's "key". The Bikeep rack system provides a unique solution that works well with the layout of these stations and updated BART bike parking demand projections. The dimensions of the station concourses are not well suited to bike stations, and there isn't space at the street level to install BikeLink shared use lockers. The Bikeep racks purchased with Prop K funds will be installed by BART forces and connected and configured by the manufacturer.

2) Stair channels will be installed at the 24th St Mission, Civic Center and Embarcadero BART stations. Bicycle stair channels allow cyclists to push, rather than carry, their bikes up and down stairs to access BART stations and can offer a significant improvement to vertical circulation within stations. Elevators can be slow and challenging for people with bikes to use and bikes are not technically allowed on escalators. Stair channels can also serve as an incentive for people with bikes to use wider, less-congested stairways, potentially improving the experience of everyone entering and exiting BART stations. The 2012 BART Bicycle Plan identified five strategic initiatives to achieve the goal of doubling bike access by 2022 relevant to station circulation for passengers with bicycles—vertical circulation is a key component of this initiative. The June 2017 BART Bicycle Program Capital Plan further developed this initiative by developing a prioritization methodology for implementation of bicycle stair channels and a District-wide station prioritization list. Three key stations to improve vertical circulation are 24th Street, Civic Center and Embarcadero. The stair channels will provide an improved connection between the street level and concourse level where bike parking is available, focus cyclists in less congested entries/exits and provide an easier way to get to the platform level for passengers taking their bikes on trains. A bicycle stair channel code and site analysis study and draft BART Facility Standards chapter were developed in 2017 and comprise the design basis for the current project. This project will include the development of fully-engineered contract

documents for the three stations, procurement and construction/installation of the stair channels.

3) The bicycle facilities at both the Embarcadero Station and Civic Center Station need to be remodeled for user safety and overall improved user experience.

Embarcadero: At the Embarcadero bike station, this project will reconfigure the entry with a new steel structure glass wall and new door separating the secured bike area from the station concourse. The work also includes replacement of the BikeLink access control system at the entrance with a newer more reliable generation; installation of brighter, more energy efficient lighting; adding racks to accommodate increasingly popular oversized bikes; adding power to charge eBikes; and visual/branding enhancements. Following is a summary of the project goals for the Embarcadero improvements:

- 1) Improve transparency between the public concourse and the inside of the facility to enhance safety and station aesthetics;
- 2) Improve visibility of the facility to promote usage (this facility is unfortunately one of BART's best kept secrets as it currently just blends in with the station walls);
- 3) Make more efficient use of space to accommodate a new generation of larger, family-serving cargo bikes; and
- 4) Discourage loitering and other undesirable activities in the adjacent alcove.

Civic Center: The relatively new Civic Center Bike Station was designed with a cardkey-controlled access (BikeLink) area and an open area (i.e. without any access control). The intent was to provide options for users who prefer not to use the BikeLink system (and pay the 5 cents per hour fee). Unfortunately, the open access portion, even though constructed with transparent glass walls, became a magnet for unwanted activity and has been temporarily closed. This project will demolish a partition wall between the secured paid bike parking area and open unpaid parking area to create one continuous secured paid bicycle parking area. At Civic Center, this project also includes installation of a new door at the northeast end of the facility, steel structural members, and wire weave to close a gap above the existing glass wall where several unauthorized entries/bike thefts have occurred. Open and free bike parking will still be available at racks in the paid area of the station.

**Project Location**

Embarcadero, Civic Center, 16th St Mission, 24th St Mission BART stations

**Project Phase(s)**

Construction

**5YPP/STRATEGIC PLAN INFORMATION**

<b>Type of Project in the Prop K 5YPP/Prop AA Strategic Plan?</b>	New Project
<b>Justification for Necessary Amendment</b>	
To fund this request BART is requesting an amendment to the Bicycle Circulation and Safety 5YPP. The proposed amendment would reprogram \$151,000 in FY2014/15 funds from the 16th/Mission Bike Station project, \$151,000 in FY2014/15 funds from the 24th/Mission Bike Station project, and \$248,000 in FY2014/15 funds from the Glen Park Bike Station project to the subject project. BART determined during the conceptual planning phase that the bike station projects were unfeasible in the space-constrained 16th/Mission and 24th/Mission stations, and that the anticipated demand for a bike station at Glen Park station has not materialized.	

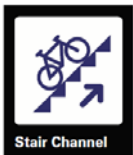
# BART Station Bicycle Parking & Access Improvements: 16th Street, 24th Street, Embarcadero & Civic Center

## Project Summary



The bicycle parking and access improvements project includes three major components at four BART stations:

1. Installation of Bikeep high security smart racks at 16th and 24th St Mission BART stations
2. Bike station modernization and reconfiguration at Embarcadero and Civic Center BART stations
3. Bicycle stair channel design and installation at 24th St Mission, Civic Center and Embarcadero BART stations



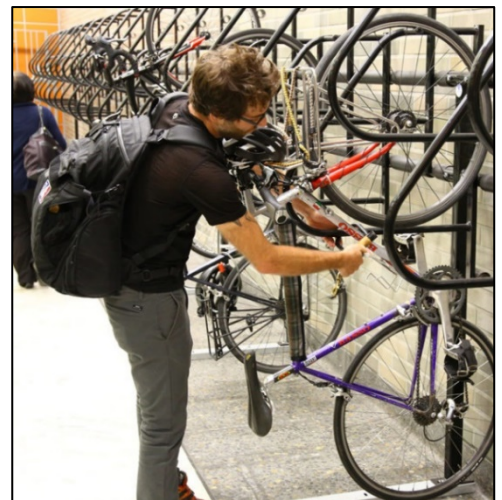
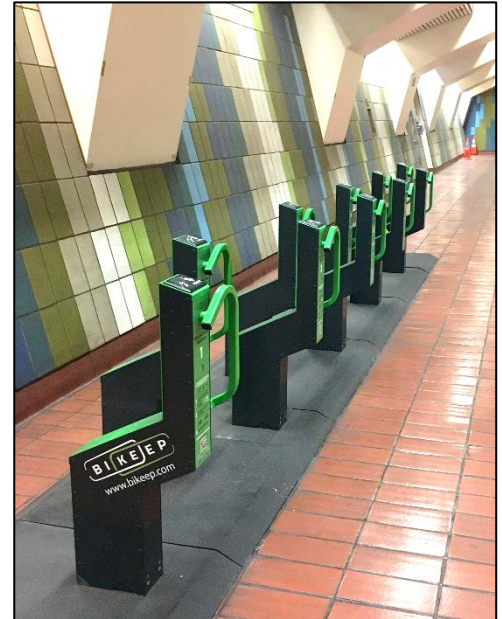
## Goals

- Increase secure bike parking and address ongoing bike theft problems at high bike-theft BART stations
- Improve user safety and overall user experience at Embarcadero and Civic Center BART Bike Stations
- Improve vertical circulation for customers with bikes at 24th St Mission, Civic Center and Embarcadero BART stations



## Schedule

- Advertise contracts in early 2019
- Start construction in Spring 2019
- Project duration: 1 year



## Project Contact

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