



Transportation in San Francisco

1. Amount of travel in San Francisco
2. Mode split
3. Profile of Muni riders
4. Profile of those who don't ride Muni

Transportation in San Francisco

INTRODUCTION

This chapter provides an overview of transportation in San Francisco and, when relevant, the Bay Area. This includes estimates of the total number of trips to, from, and within San Francisco and mode share. It also uses a recent on-board survey of Muni riders and Census data to provide a basic profile of Muni riders: who rides, who doesn't, and how Muni is used.

This information provides necessary context for understanding, in general, transportation in San Francisco and how Muni is currently used. Once a vision for San Francisco is established, these numbers will provide the basis for determining specific goals for transit ridership and mode share. Highlights from this chapter:

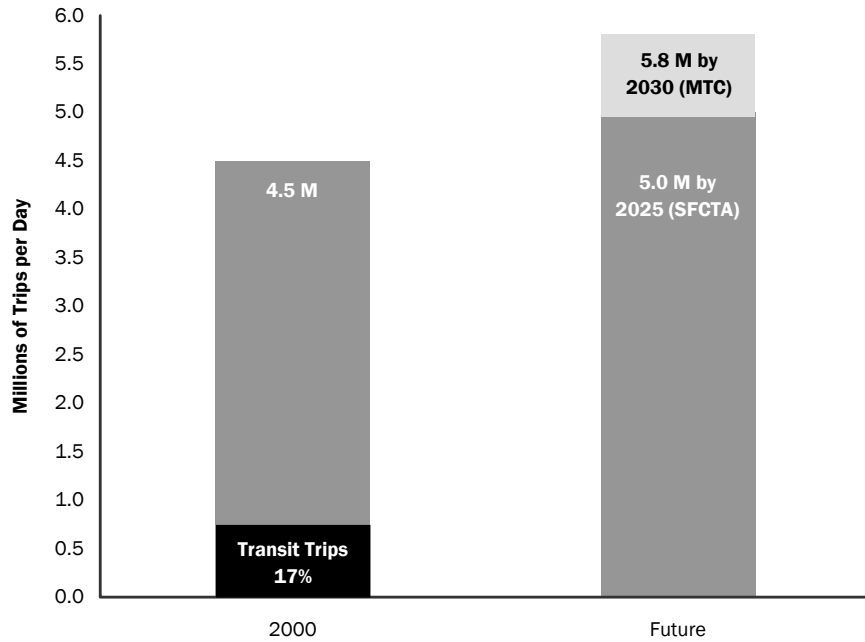
- The overall number of trips per day in San Francisco is expected to grow 12% to 29% over the next 20 to 25 years.
- About 70% of all San Francisco trips are completely within San Francisco (i.e., with both trip origin and destination within the city).
- Of all trips beginning, ending, or within San Francisco, 25% to 33% are work trips (range is a SFCTA estimate).
- About 77% of San Franciscans work in San Francisco, down from 86% in 1980.
- Transit mode share for trips to work by San Franciscans has declined 1.8 times faster than the percent of residents who work in the City, falling from 39% in 1980 to 32% in 2000.

SAN FRANCISCO TRANSIT EFFECTIVENESS PROJECT

- Muni's annual ridership has declined 12% since 1986.
- Over 80% of Muni's riders live in San Francisco.
- When compared to San Francisco's population as a whole, San Francisco Muni riders have lower incomes (58% of Muni rider households have an annual income less than \$45,000, compared to 41% of San Francisco households). On the other hand, 42% of Muni riders have a relatively high household income. Muni is one of the few transit agencies in the USA that attracts a relatively high share of households with medium to high incomes.

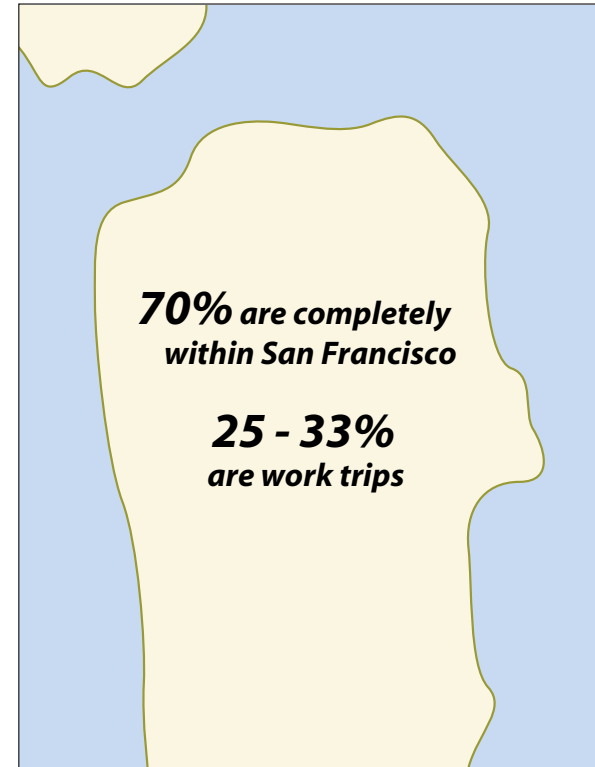
Number of Trips per Day in San Francisco

Number of trips San Francisco’s transportation system carries each day, including all trips into, out of, and through the city.



Source: SFCTA Countywide Transportation Plan. MTC 2030 Plan for the San Francisco Bay Area

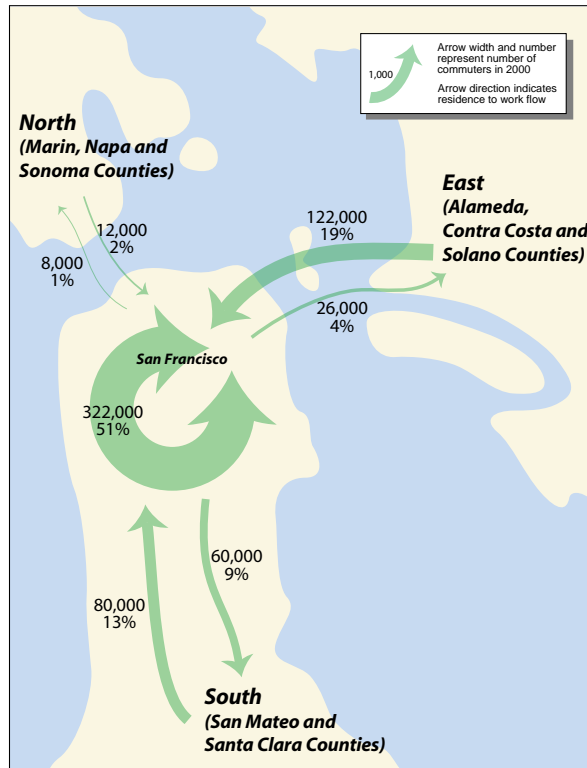
Of these 4.5 million trips per day in San Francisco...



Source: Range estimated in SFCTA Countywide Transportation Plan

- In the next 20 to 25 years, the number of trips per day in San Francisco is expected to increase 12% to 29%, (according to, respectively, SFCTA and MTC projections).
- As a city San Francisco can choose how to manage expected growth in trips, which will influence the amount of congestion in San Francisco as well as the number of trips Muni must plan to carry.

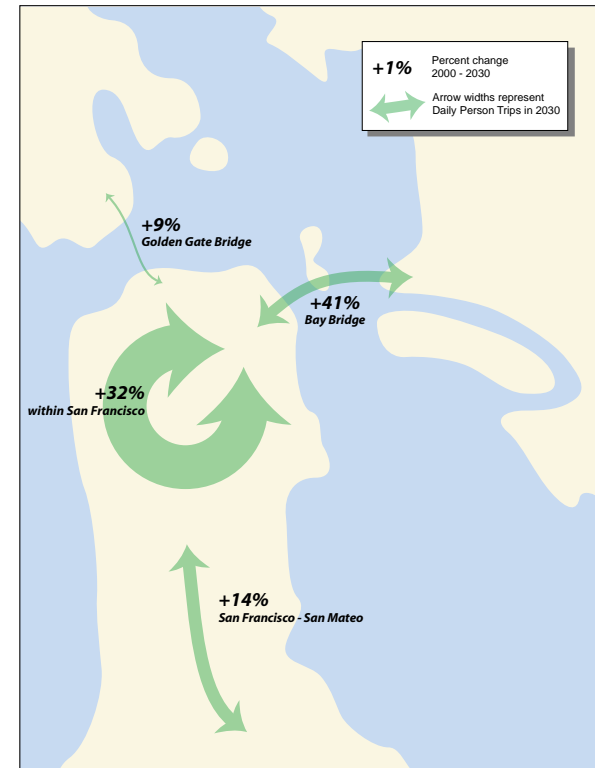
Current Bay Area Commute Patterns



Source: Metropolitan Transportation Commission County to County Commuter Tables and MTC Commute Profile 2003

- About 77% of San Francisco residents work in the city.
- Work trips from areas with access to BART have higher transit shares.

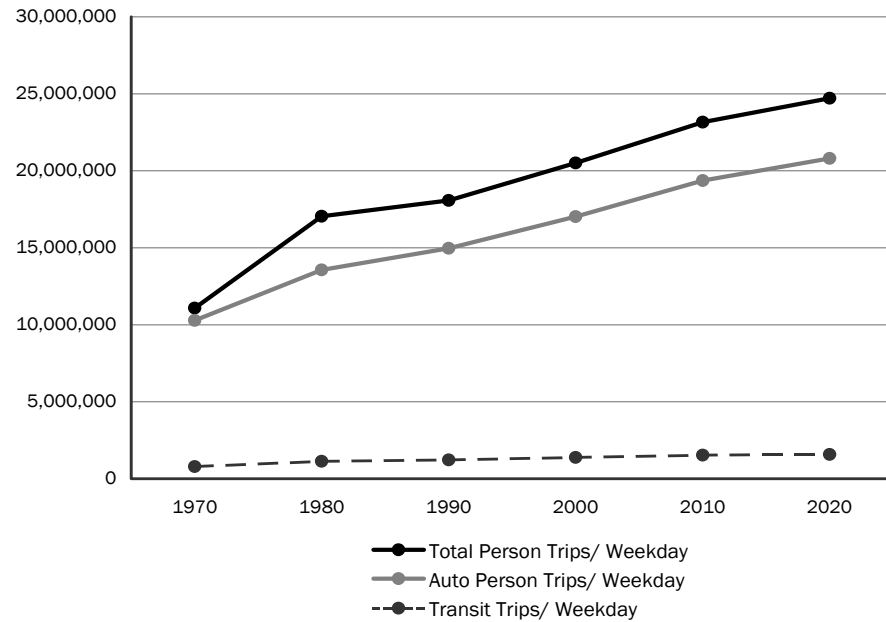
Bay Area Projected Travel Volumes in 2030



Source: Metropolitan Transportation Commission Transportation 2030 Plan for the San Francisco Bay Area.

- MTC projects internal San Francisco trips to increase by 32% by 2030.
- Although regional trips are expected to increase, internal San Francisco trips will still represent Muni's largest potential market by far.

Bay Area Mode Shares All Trips, 1970–2020



Source: MTC San Francisco Bay Area Demographic and Travel Characteristics
[Http://www.mtc.ca.gov/maps_and_data/datamart/stats/baydemo.htm](http://www.mtc.ca.gov/maps_and_data/datamart/stats/baydemo.htm)

San Francisco Current Mode Share

Trips are typically summarized by mode share or split — the proportion of all trips made on a particular mode of transportation.

Mode Split for All Trips – 2000		
	Trips	Percent of All Trips
Auto	2,809,000	62%
Transit	777,000	17%
Walk	892,000	20%
Bike	40,000	1%
Total	4,518,000	100%

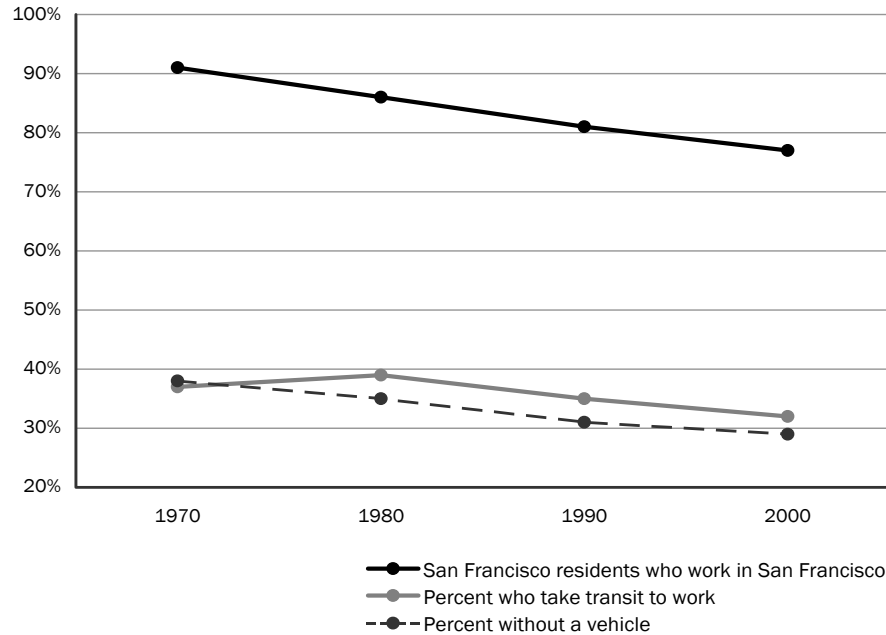
Source: SFCTA Countywide Transportation Plan. Includes regional and internal trips.

Commute Mode of San Francisco Residents – 2000		
	Workers	Percent of Commute Trips
Drive Alone	170,000	41%
Carpool	45,000	11%
Transit	130,000	31%
Walk	39,000	9%
Other	15,000	4%
Worked at Home	19,000	5%
Total	418,000	100%

Source: US Census, SFCTA Countywide Transportation Plan

- Auto trips in the Bay Area have increased much faster than transit trips in the past. The MTC expects this trend to continue.
- A higher percentage of work trips are on transit compared to non-work trips.

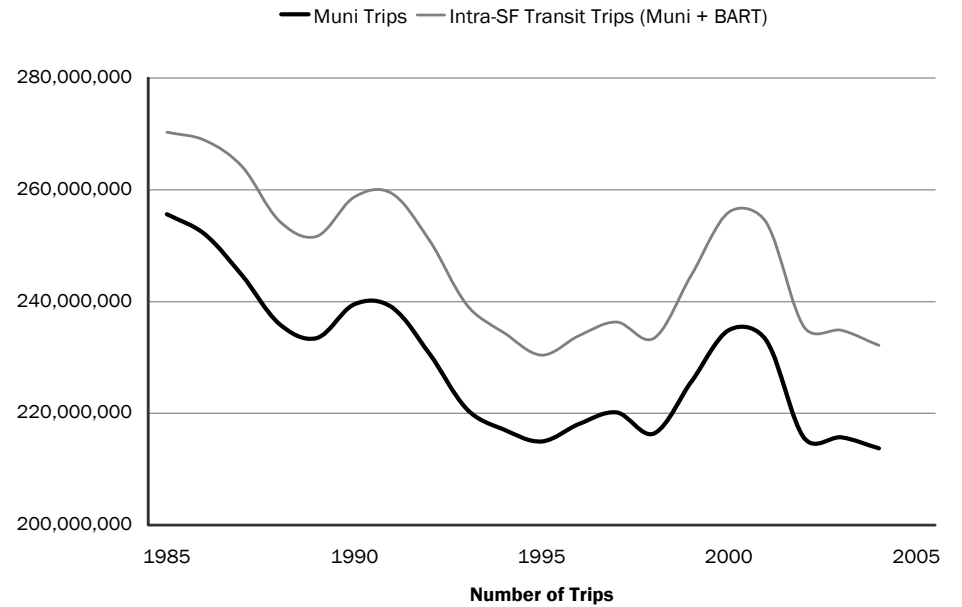
San Francisco Resident Mode Shares, 1980–2000



Source: US Census

- The percent of San Franciscans that work in San Francisco declined from 86% to 77% from 1980 to 2000 (a 10% decrease).
- From 1980 to 2000, the percent of San Franciscans that take transit to work has declined from 39% to 32% over the same period (an 18% decrease).
- Transit mode share for trips to work by San Francisco residents has declined 1.8 times faster than the percent of San Francisco residents that work in the city.

Muni Annual Ridership, 1986–2005

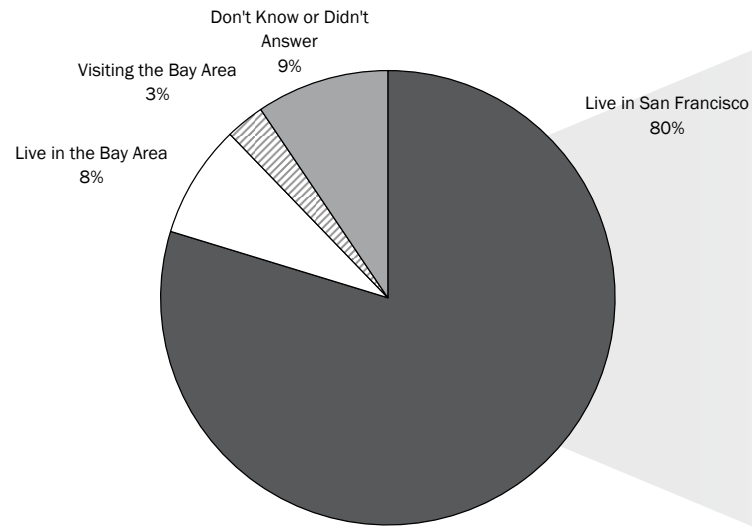


Source: Muni SRTPs

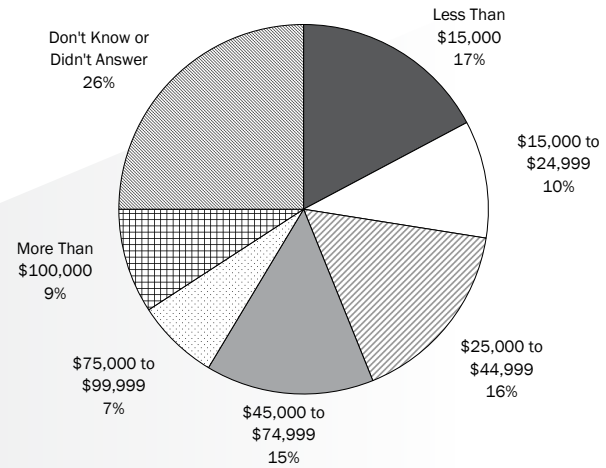
- Muni’s annual ridership has declined about 12% from 1986 to 2005.
- The percent of intra-San Francisco trips made on BART has risen gradually from 6% in 1986 to about 8% in 2005.

WHO RIDES MUNI?

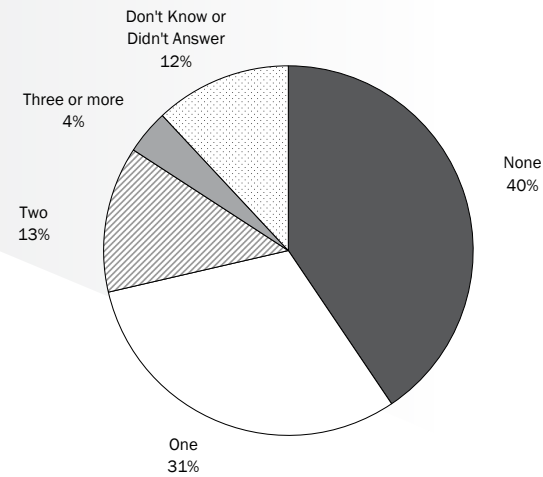
Residence of Muni Riders



Household Income of Muni Riders Who Live in San Francisco



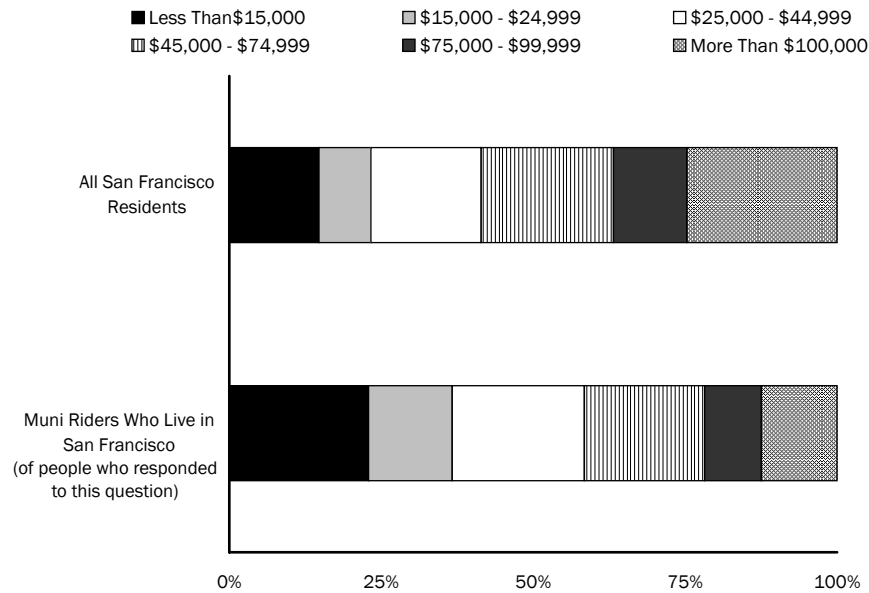
Number of Vehicles Owned by Muni Riders Who Live in San Francisco



Source: SFCTA 2005 Muni Onboard Survey

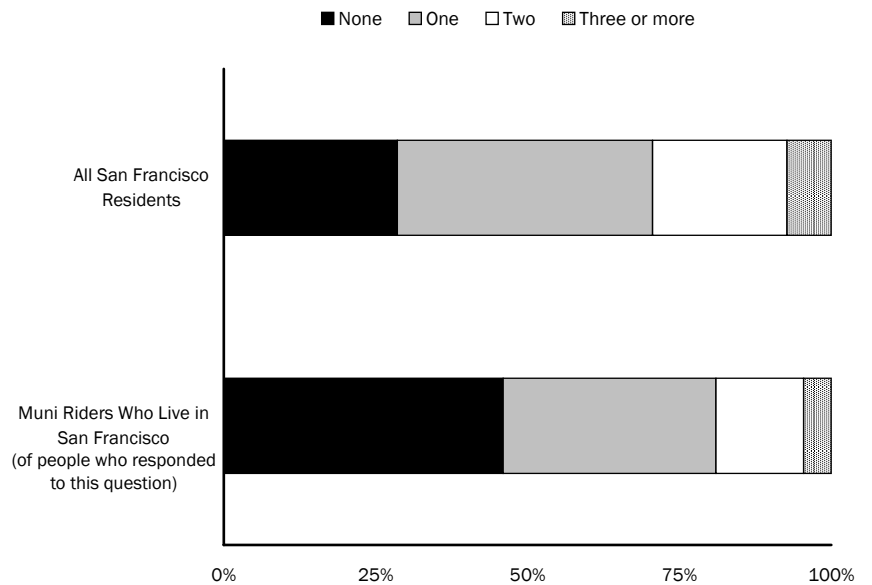
WHO RIDES MUNI AND WHO DOESN'T?

Household Income of Muni Riders Who Live in San Francisco Compared to San Francisco Residents as a Whole



Source: SFCTA Muni Onboard Survey and US Census

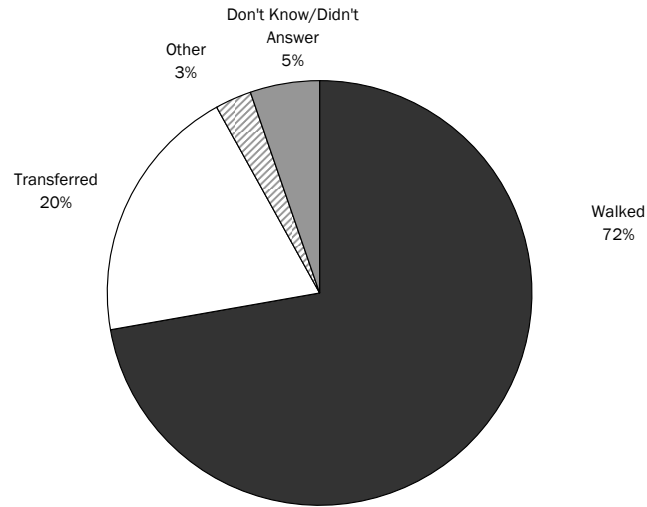
Number of Vehicles Owned by Muni Riders Who Live in San Francisco Compared to San Francisco Residents as a Whole



Source: SFCTA Muni Onboard Survey and US Census

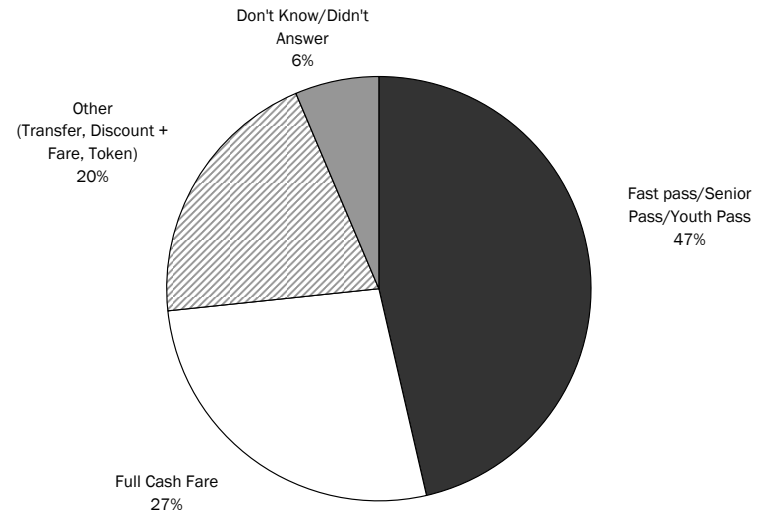
HOW DO PEOPLE ACCESS MUNI?

How Riders Get to the Bus Stop



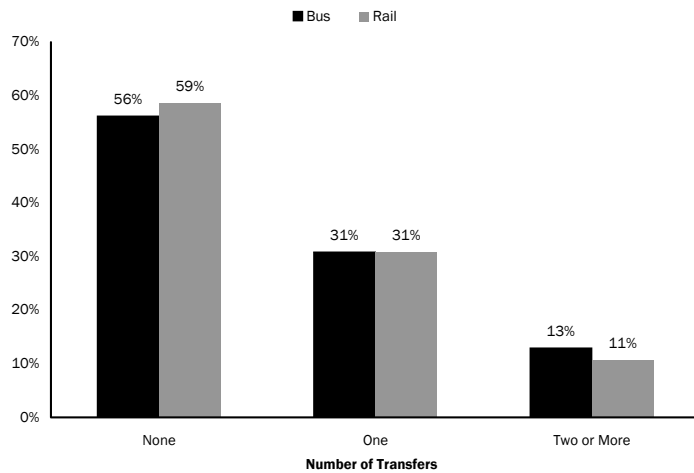
Source: SFCTA Muni Onboard Survey

How Riders Pay



Source: SFCTA Muni Onboard Survey

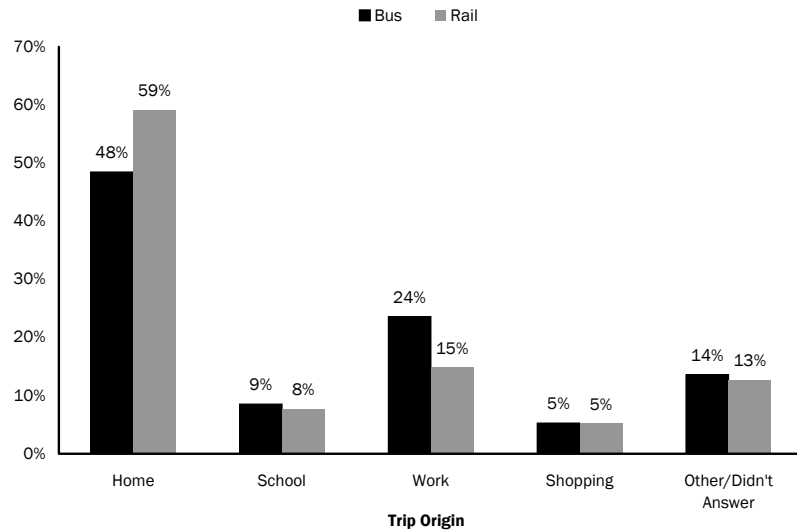
How Many Times Riders Transfer (for the entire trip)



Source: SFCTA Muni Onboard Survey

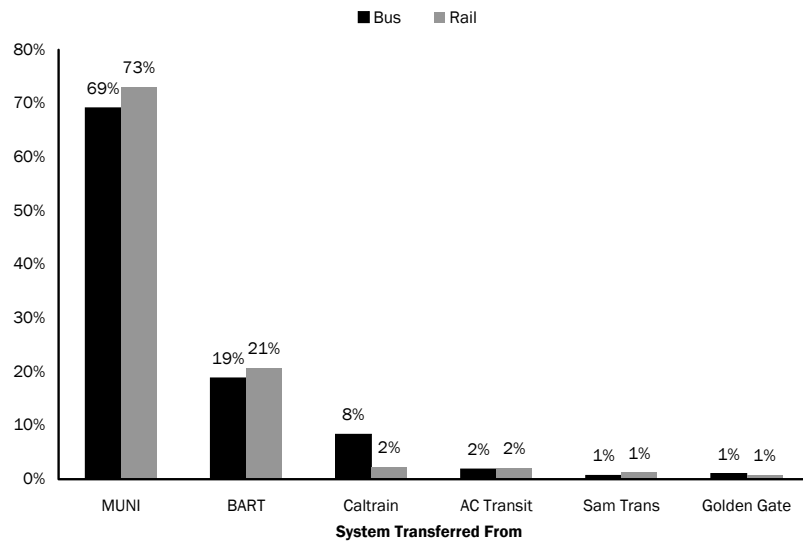
WHERE RIDERS COME FROM

Origin Type



Source: SFCTA Muni Onboard Survey

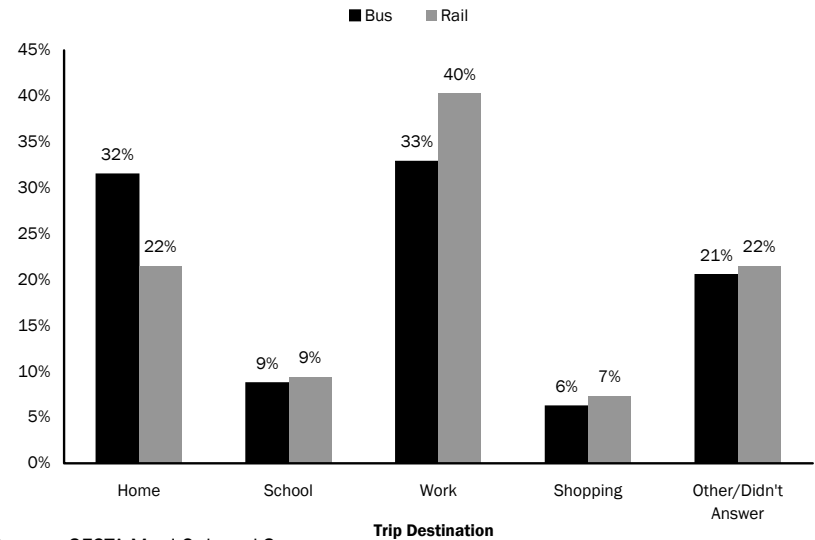
System Transferred From



Source: SFCTA Muni Onboard Survey

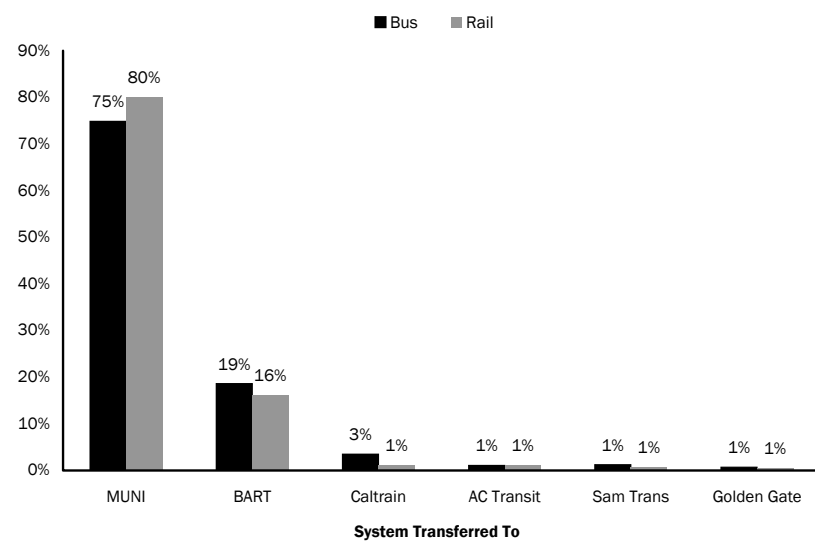
WHERE RIDERS ARE GOING

Destination Type



Source: SFCTA Muni Onboard Survey

System Transferred To



Source: SFCTA Muni Onboard Survey