

A grayscale background image of a city street. In the foreground, a person is riding a bicycle, partially obscured by a dark overlay. In the background, there are cars, a bus, and buildings. The text is overlaid on this image.

*Learning to Share: How to Get Your
Community Ready for Bicycle Sharing*

**SAN FRANCISCO
BICYCLE SHARING PILOT**

Matt Lasky

San Francisco Municipal Transportation Agency

Bicycle Share Bikes

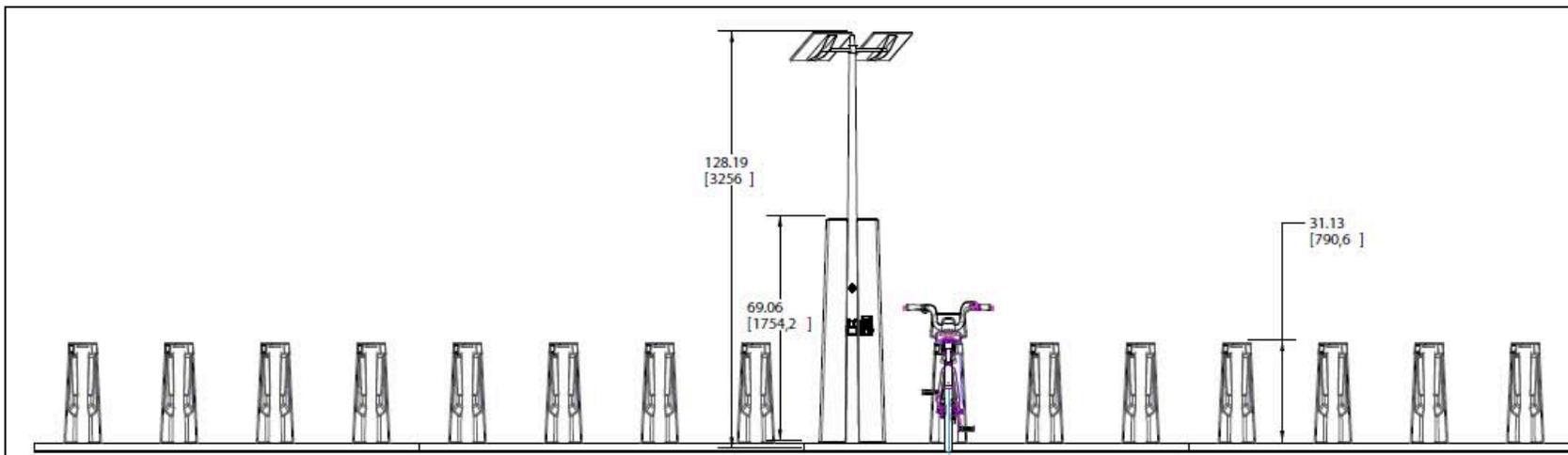
- Commuter style
- Step-through frame
- Internally geared hub
- Lights
- Baskets
- Fenders
- Adjustable seat
- Vandal/theft resistant
- Proprietary components



Bixi (Montreal)

Bicycle Share Stations

- Solar powered
- Battery back-up
- Secured by own weight
- No excavation
- Modular
- Map/sponsorship panel



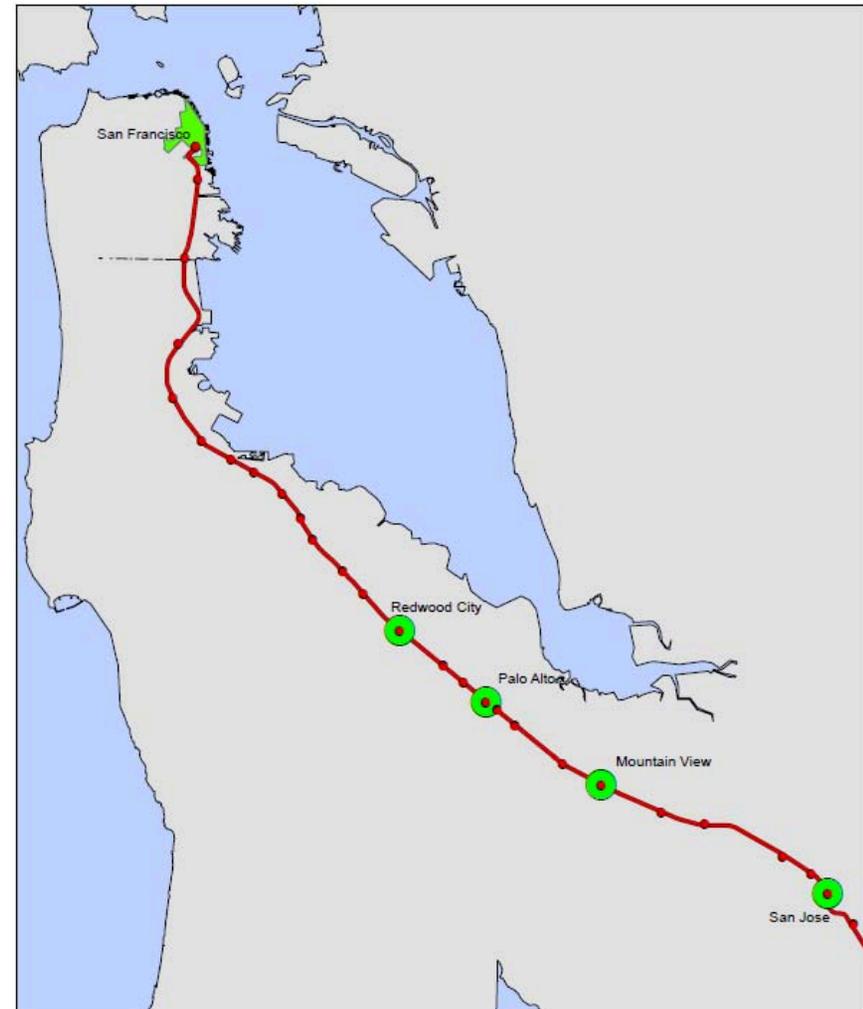
Large North American Cities with Bike Sharing

- Minneapolis, MN
- Washington, DC
- Montreal, QB
- Toronto, ON
- Boston, MA
- New York, NY – Coming Soon!
- Chicago, IL – Coming Soon!
- San Francisco – Coming Soon!!



Regional Bicycle Sharing Pilot

- 1,000 bicycles
- 100 stations:
 - San Francisco (50)
 - Redwood City (10)
 - Palo Alto (10)
 - Mountain View (10)
 - San Jose (20)
- 2012 Launch



San Francisco Bay Area
Regional Bicycle Sharing Pilot

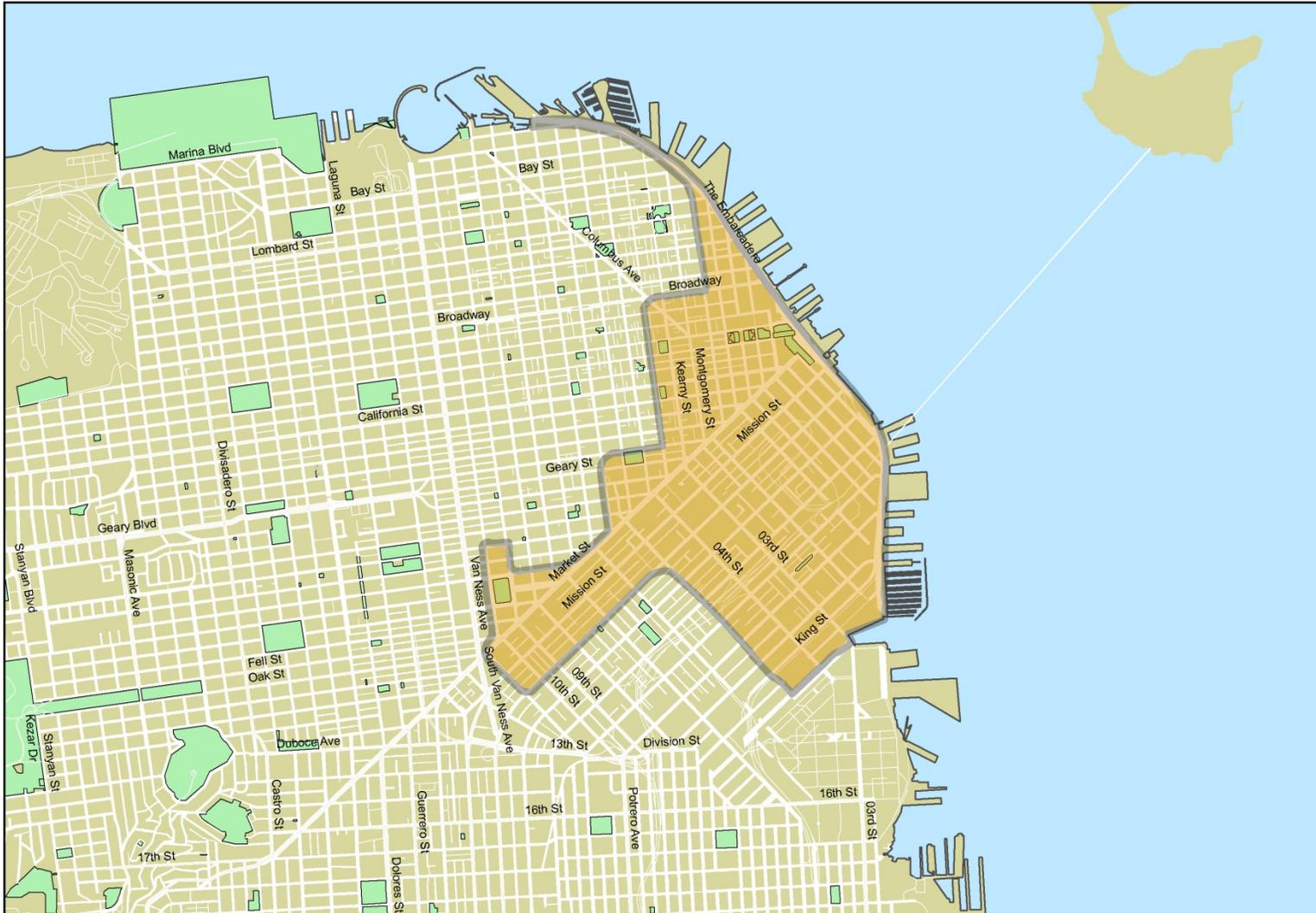
Regional Bicycle Sharing Pilot

- Project Lead
 - Bay Area Air Quality Management District (BAAQMD)
- Partner Agencies
 - SFMTA, Caltrain (SAMTRANS), City of Redwood City, the County of San Mateo, and VTA
- Funding
 - \$4.3 million BACI grant from MTC
 - \$1.4 million TFCA grant from BAAQMD
 - Local match & in-kind staff time

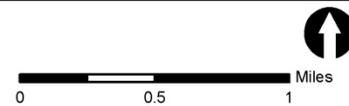
Project Schedule

Date	Task
Dec 2010 – June 2011	Interagency Agreement
May – February 2012	Request for Proposals
April 2012	Select Vendor
May 2012	Launch Website
July/August 2012	Launch System
July – December 2013	Project Evaluation

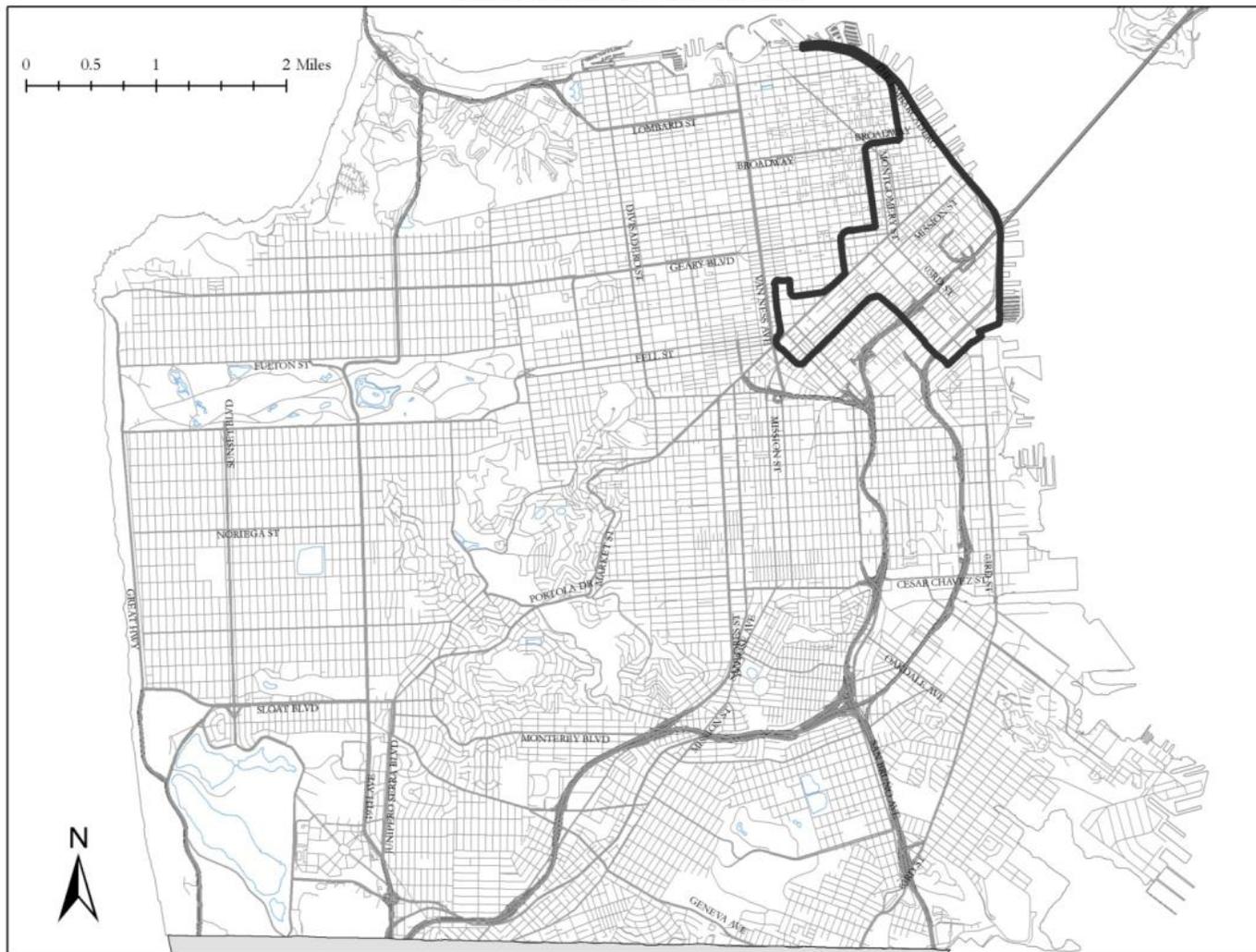
Planning for Stations



San Francisco Bicycle Sharing Pilot Service Area (10/13/2011)



Bicycle Sharing Pilot Service Area



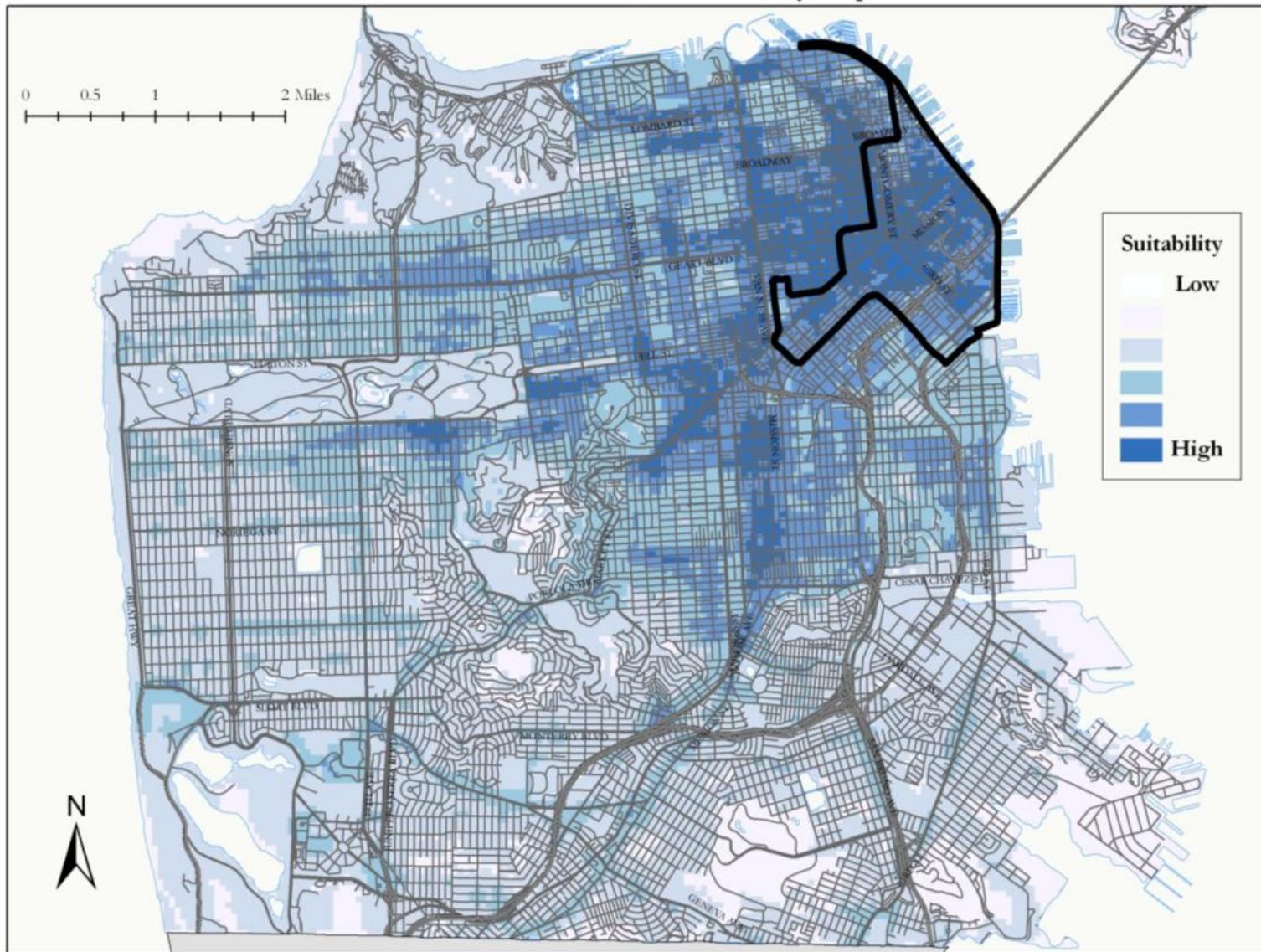
- 1.78 sq mi.
- Dense
- Mixed Use
- Transit Rich
- Flat
- Bikeable

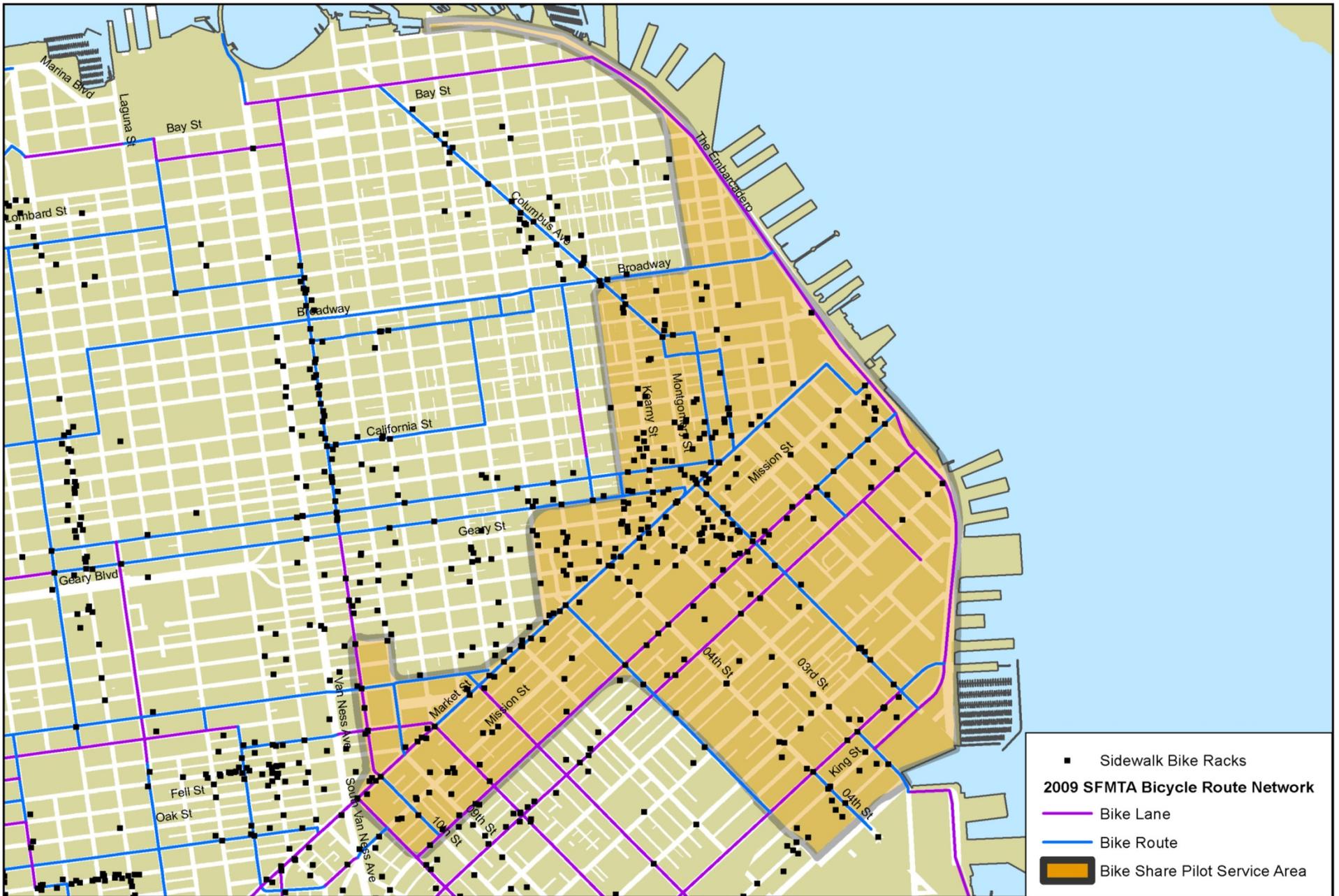
San Francisco Suitability Analysis

Raster-based GIS overlay using 11 factors:

1. Retail Job Density
2. Population Density
3. **Employment Density**
4. Zoning
5. **Slope**
6. Pedestrian Commuters per Square Mile
7. Bicycle Commuters/ Square Mile
8. **Bicycle Infrastructure**
9. **Transit**
10. Tourist Sites
11. Per Capita Income

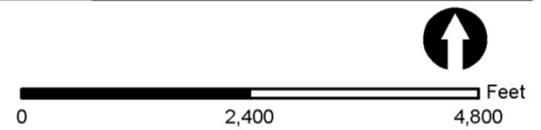
Citywide Bicycle Sharing Suitability



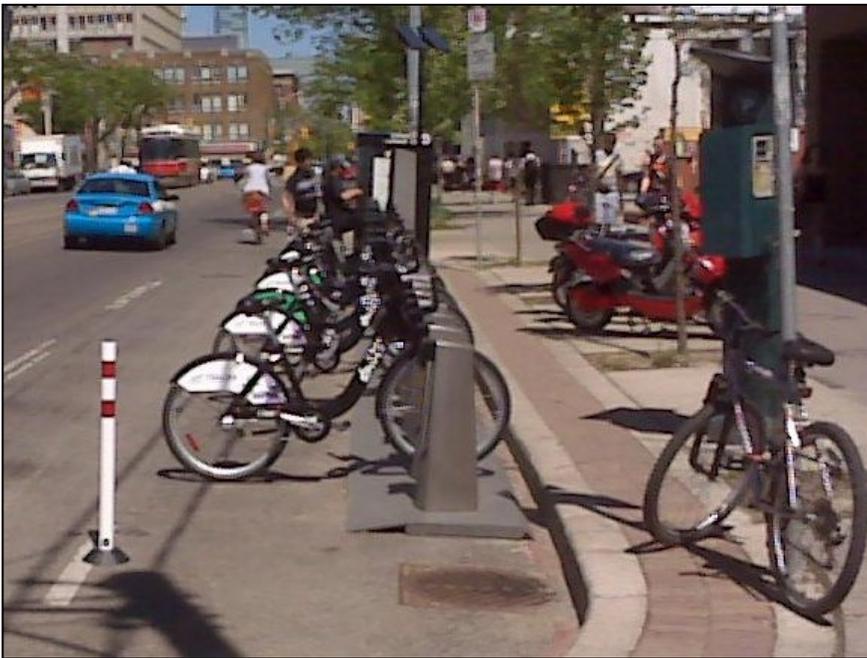


- Sidewalk Bike Racks
- 2009 SFMTA Bicycle Route Network**
- Bike Lane
- Bike Route
- Bike Share Pilot Service Area

San Francisco Bicycle Sharing Sidewalk Bike Racks



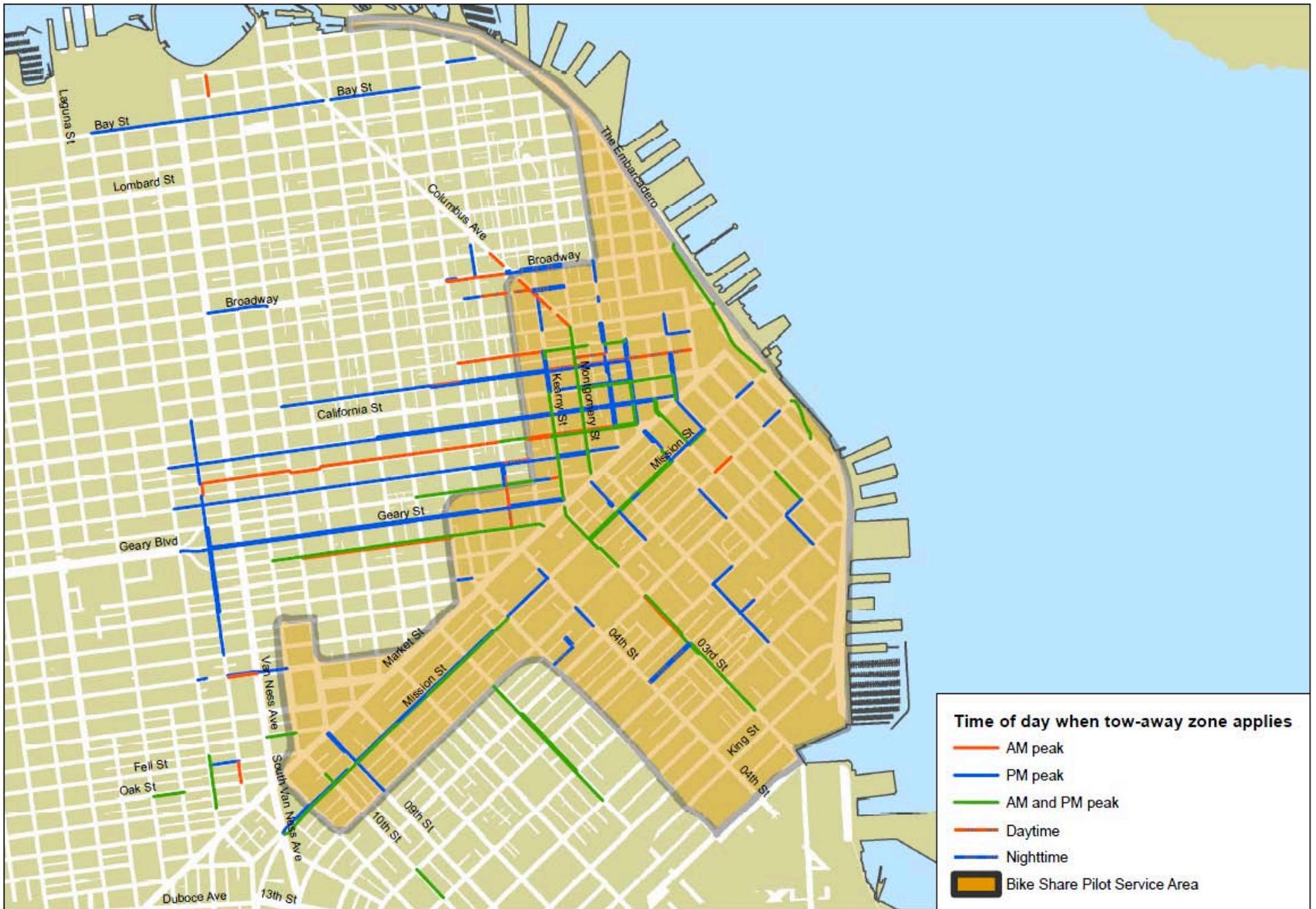
Placing Stations



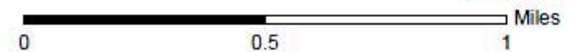
Toronto



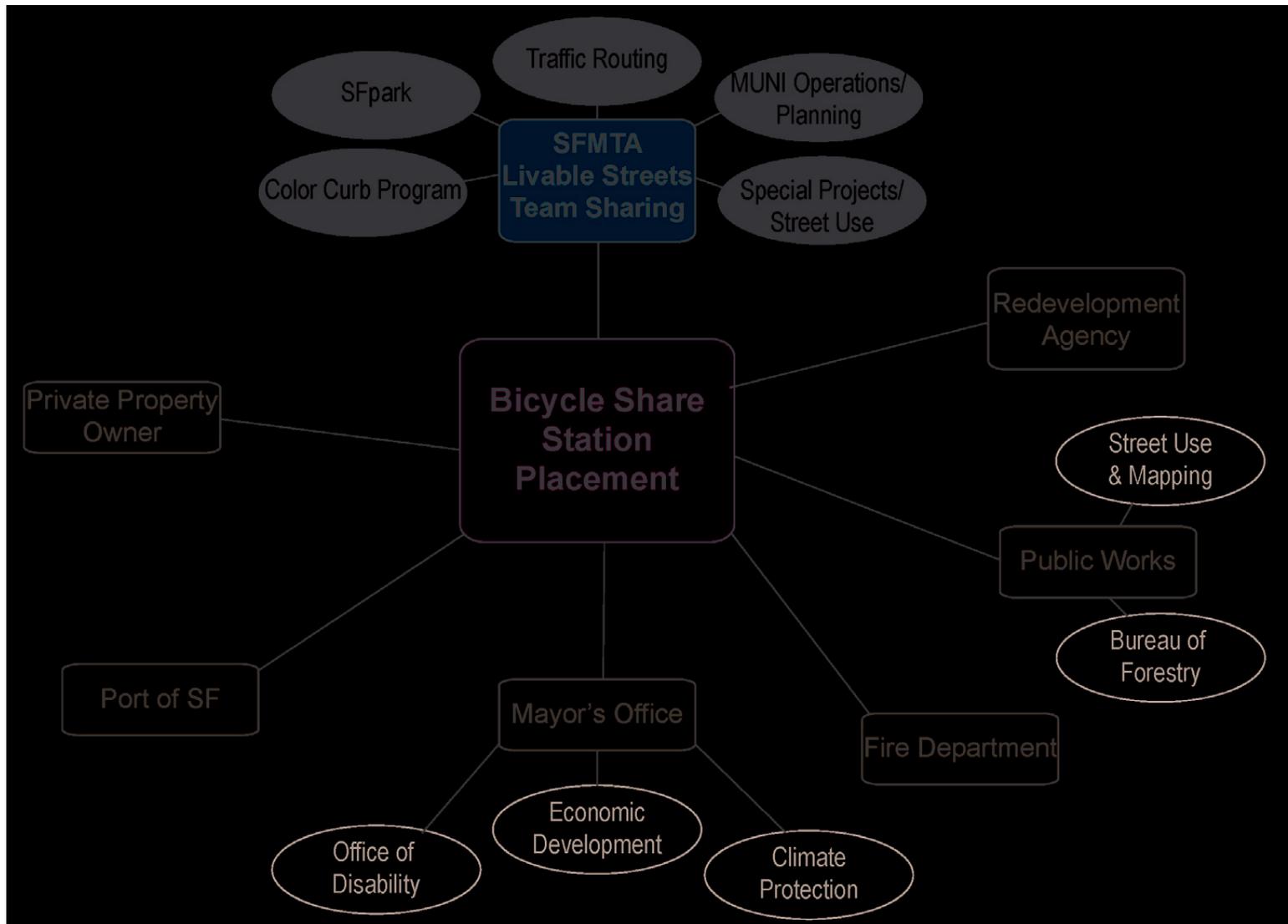
Madison



San Francisco Bicycle Sharing Peak Hour Tow-Away Zones



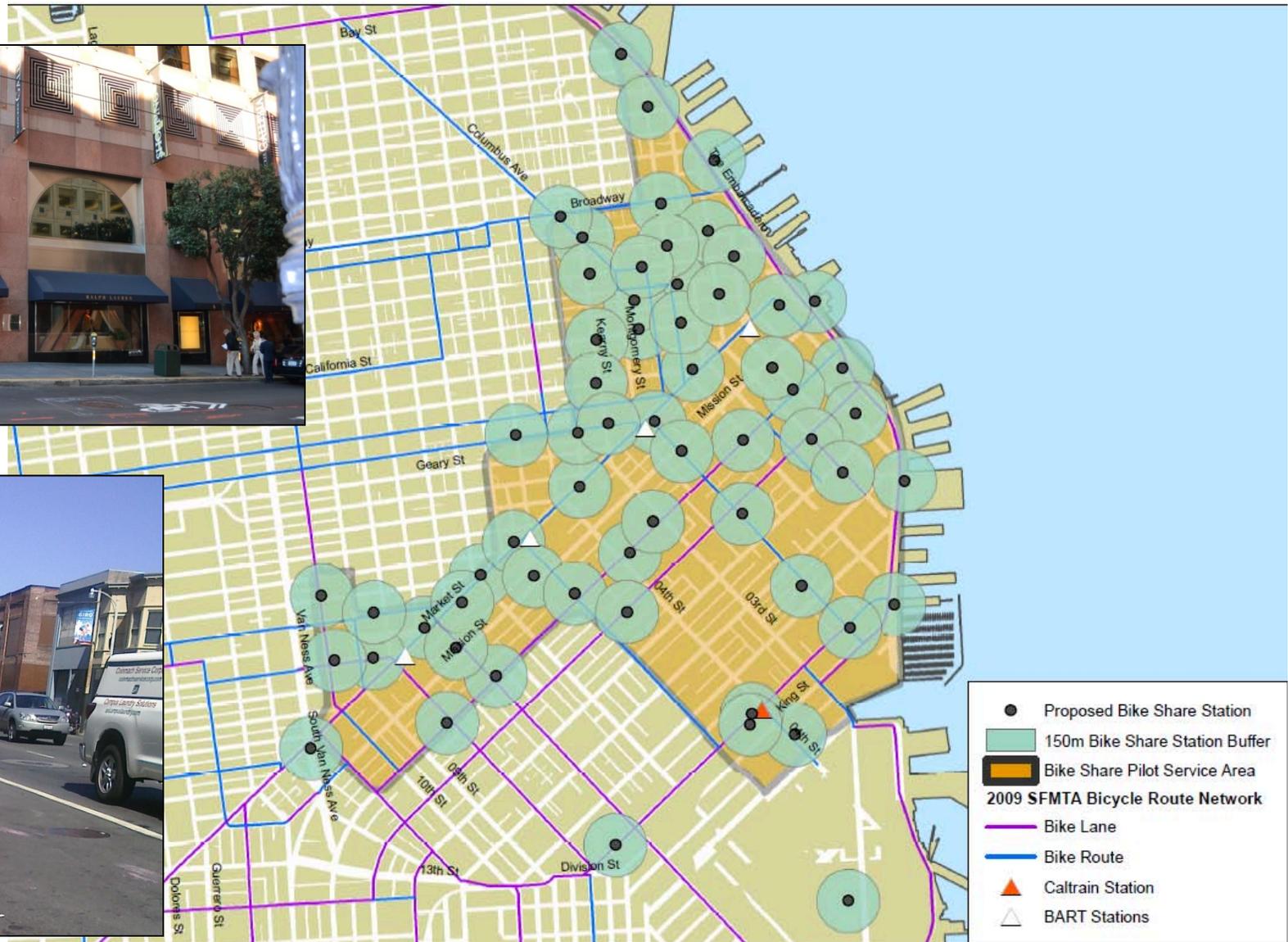
Inter- and Intra-Agency Coordination



Similar to Bike Corrals & Parklets

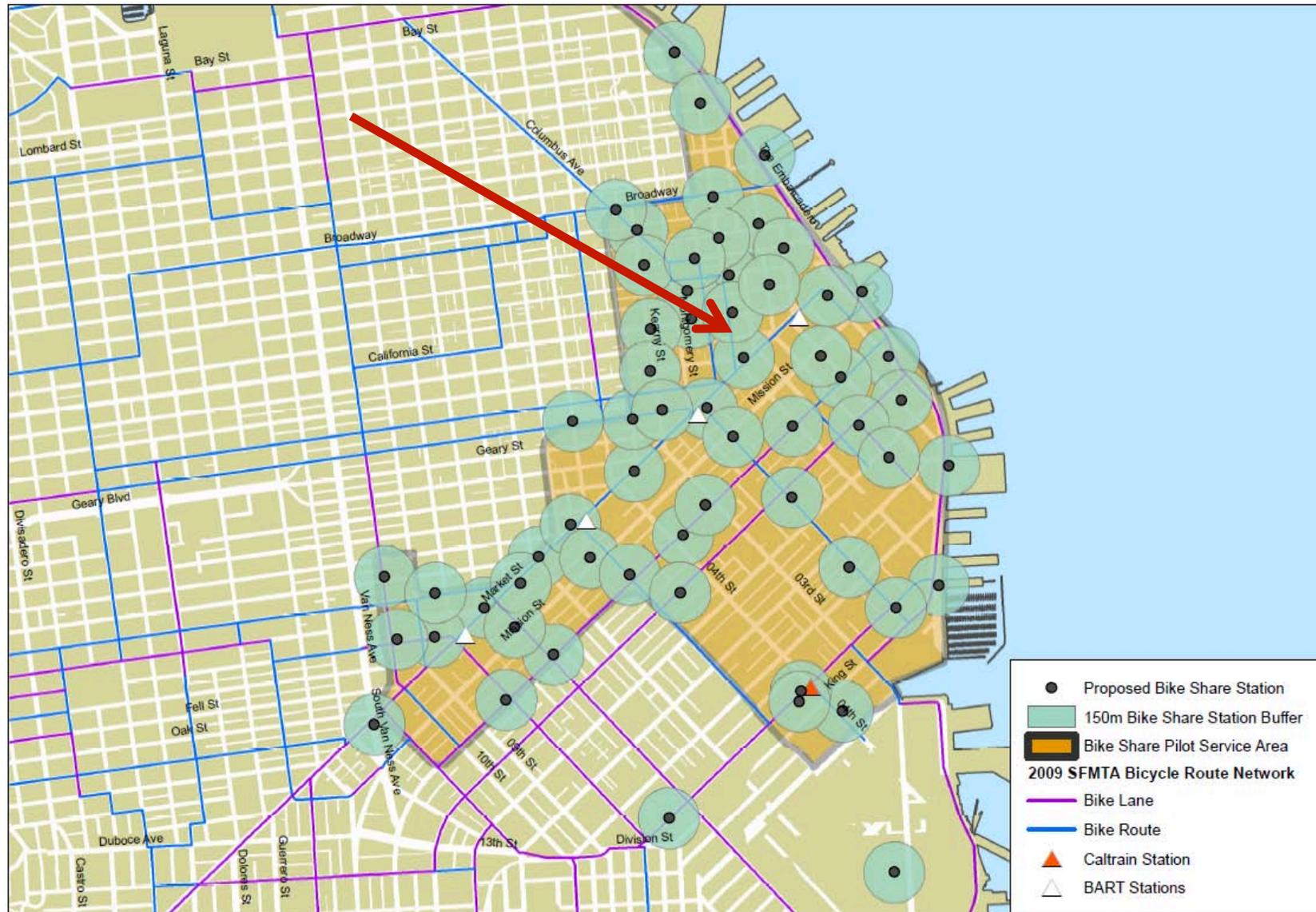


Locations Under Consideration (61)

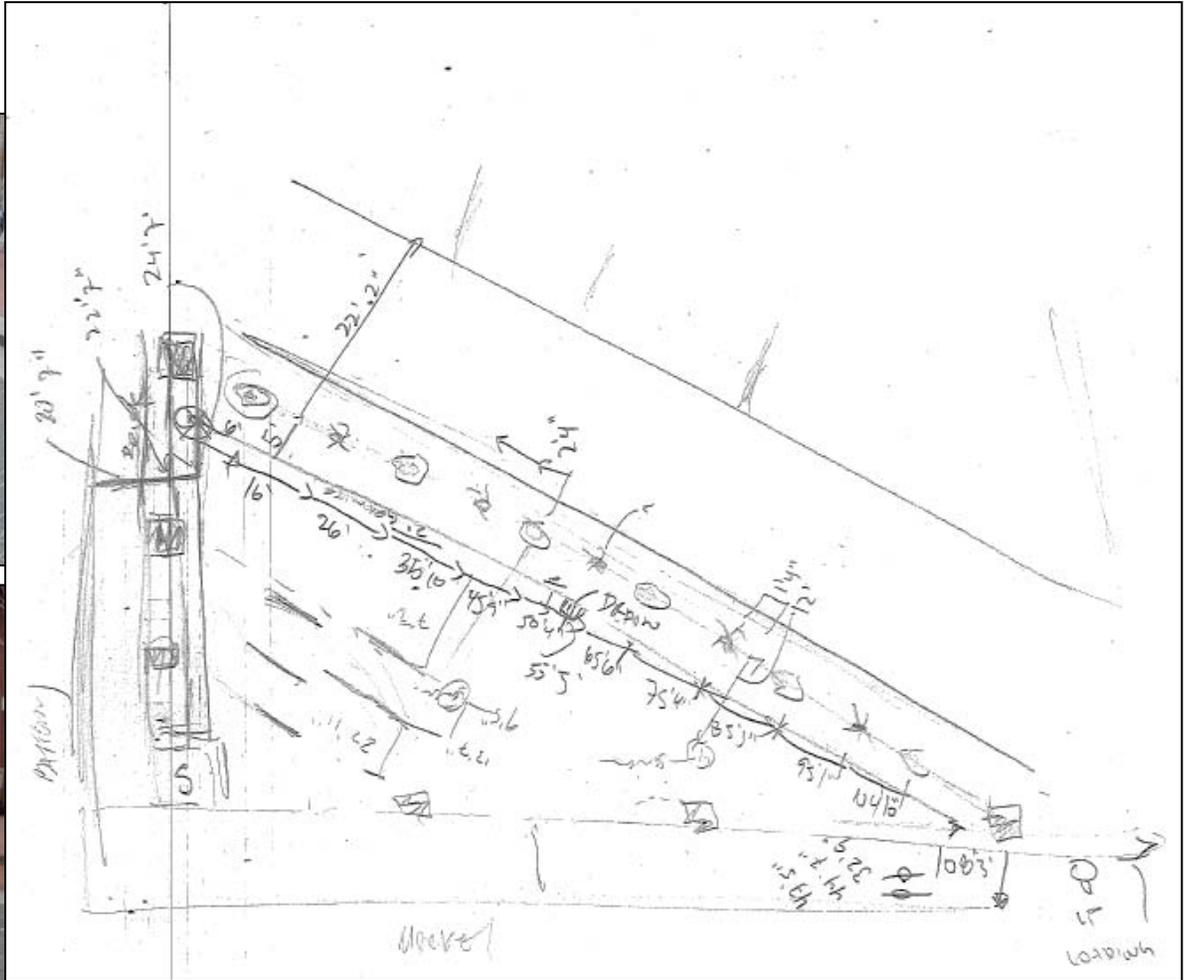


- Proposed Bike Share Station
- 150m Bike Share Station Buffer
- Bike Share Pilot Service Area
- 2009 SFMTA Bicycle Route Network
- Bike Lane
- Bike Route
- ▲ Caltrain Station
- △ BART Stations

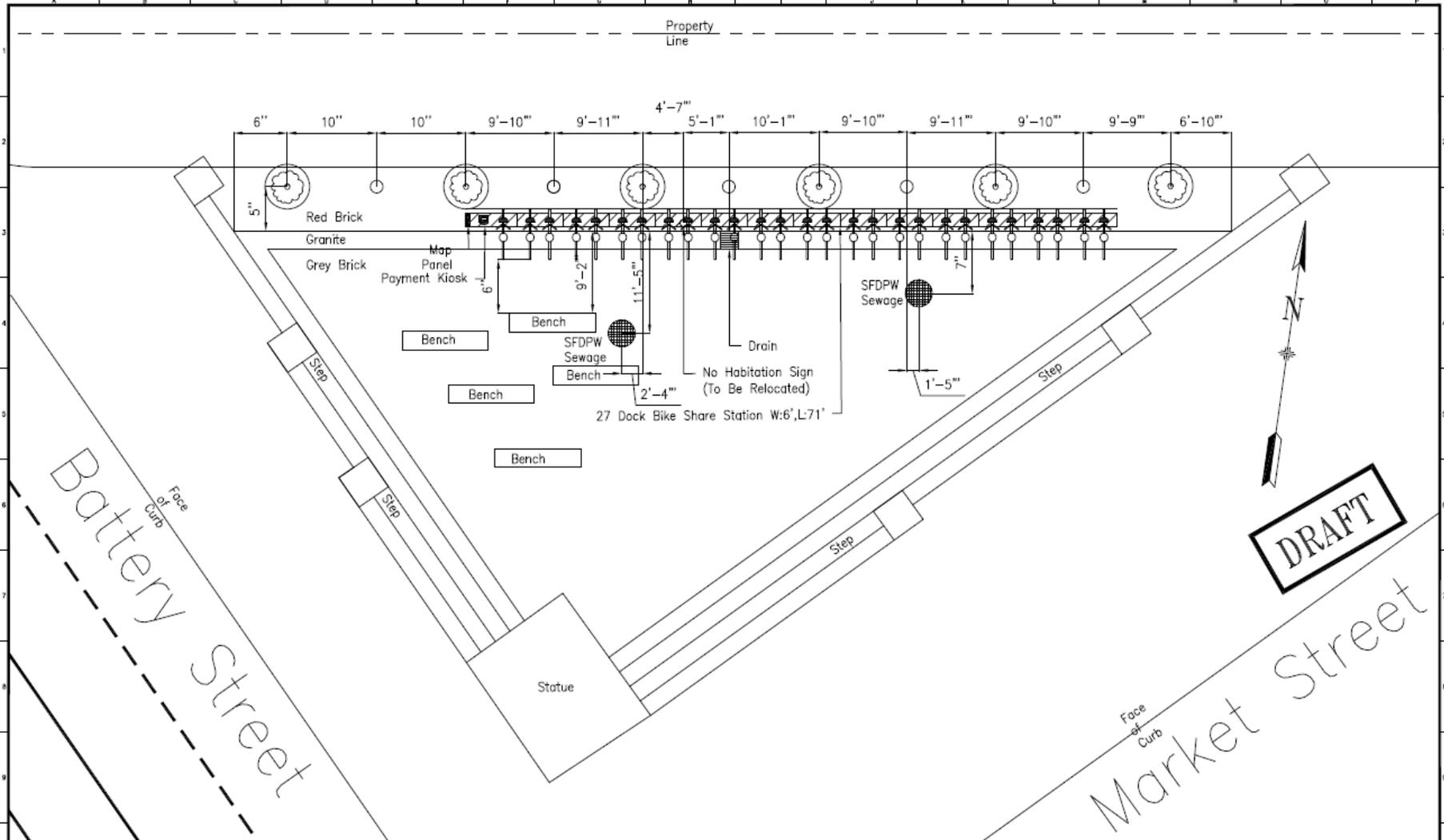
Example Location: Mechanics Plaza



Field Review



Station Plan View



NO.	DATE	DESCRIPTION	BY	APP.

TABLE OF REVISIONS
CHECK WITH TRACKING TO SEE IF YOU HAVE LATEST REVISION



SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY
CITY AND COUNTY OF SAN FRANCISCO

DESIGNED: XX	DATE: --	APPROVED:	SCALE: 1/8"=1'-0"
DRAWN: XX	DATE: --	SETBY: XX	SHEET OF SHEETS: XX OF XX
CHECKED: XX	DATE: --	CITY TRAFFIC ENGINEER: XX	

San Francisco Bike Share Pilot
Market Street
Bike Share Stations
Market 2
Battery and Market
Mechanics Plaza

CONTRACT NO. XXXXX
DRAWING NO. DWGNO
FILE NO. XXXXX
REV. NO. XX

Bicycle Share Photo Simulation



Public Notice for Public Hearing

Division of Sustainable Streets – Livable Streets
 San Francisco Municipal Transportation Agency
 One South Van Ness Avenue, 7th Floor
 San Francisco, CA 94103-5417

IMPORTANT NOTICE CONCERNING YOUR RIGHTS

September 9, 2011
 Dear San Francisco Resident:

The San Francisco Municipal Transportation Agency (SFMTA) has filed an application with the San Francisco Department of Public Works (DPW) for a permit to install a bicycle sharing station at the north east corner of 1st Street and Howard Street. A photograph of the Surface Mounted Facility (BMF) and the specifications for the BMF are shown below.

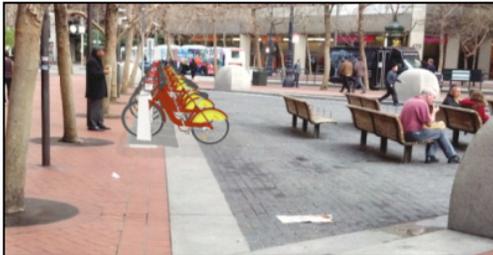
This bicycle sharing station is part of a 50-station system that will be located throughout downtown San Francisco. This station will have 27 docks to hold bicycles for public use. The station will have a solar and battery powered payment kiosk with a solar mast and a system map panel. This station location was selected because it is in close proximity to transit connections, bicycle facilities, and employment and residential centers and provides the best access to potential users of the system. The station is optimally placed in the furniture zone of the sidewalk and out of the general pedestrian path of travel. For additional information about San Francisco's bicycle sharing program, please visit <http://www.sfmta.com/bikesharing>.

If you object to the installation of the BMF, you must notify the DPW of your objections either by phone at 415.554.5810 or by mail at the Bureau of Street-Use and Mapping, 875 Stevenson Street, Room 460, San Francisco, CA 94103-0942. You have 20 days from the date of this notice to either telephone or send written notice of your objection to DPW. DPW will not consider any objection unless it is made within this 20-day period.

If you submit an objection, DPW may convene a hearing to determine whether the permit for placement of the BMF should be issued. DPW will commence any such hearing within 40 days after the receipt of any objections. You will have the opportunity to express your concerns about the BMF at the hearing should you choose to attend.

Thank you.

Heath Meddox
 Division of Sustainable Streets – Livable Streets
 Municipal Transportation Agency
 One South Van Ness Avenue, 7th Floor
 San Francisco, CA 94103-5417
 415.701.4605



Kiosk Is: 17'w x
 69'h x 18'0"
 Total Height (Kiosk
 + Solar Panel):
 128'h
 Map Panel Is: 12'w
 x 80'h x 33'd





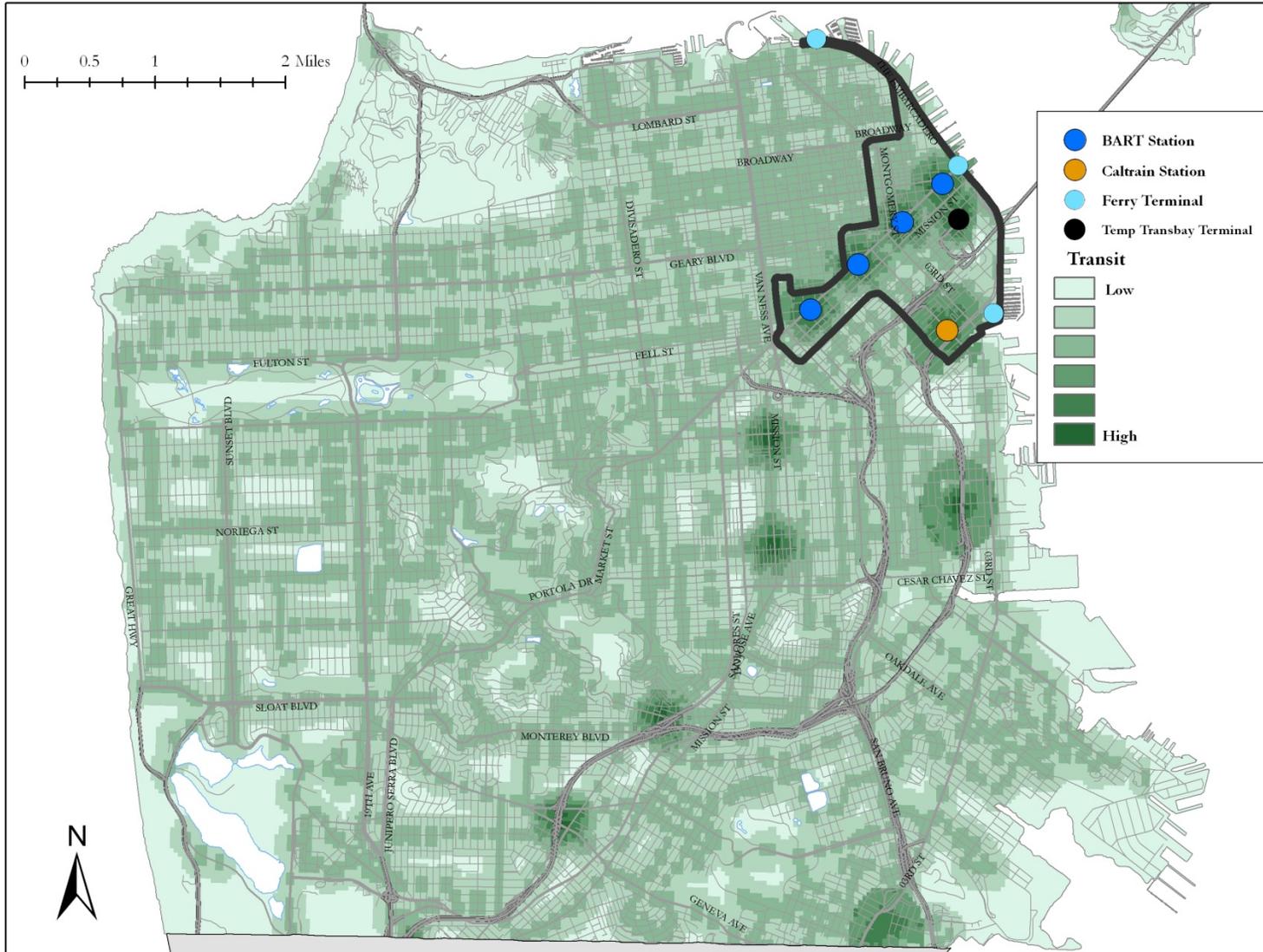
Matt Lasky
mattlasky@sfmta.com
415.701.5228

[http://www.sfmta.com/
bikesharing](http://www.sfmta.com/bikesharing)

[http://www.baaqmd.gov/
Divisions/Strategic-
Incentives/Alternative-
Transportation/Bike-Share-
Pilot.aspx](http://www.baaqmd.gov/Divisions/Strategic-Incentives/Alternative-Transportation/Bike-Share-Pilot.aspx)

Selected Key Suitability Factor Maps

Suitability Factor: Transit

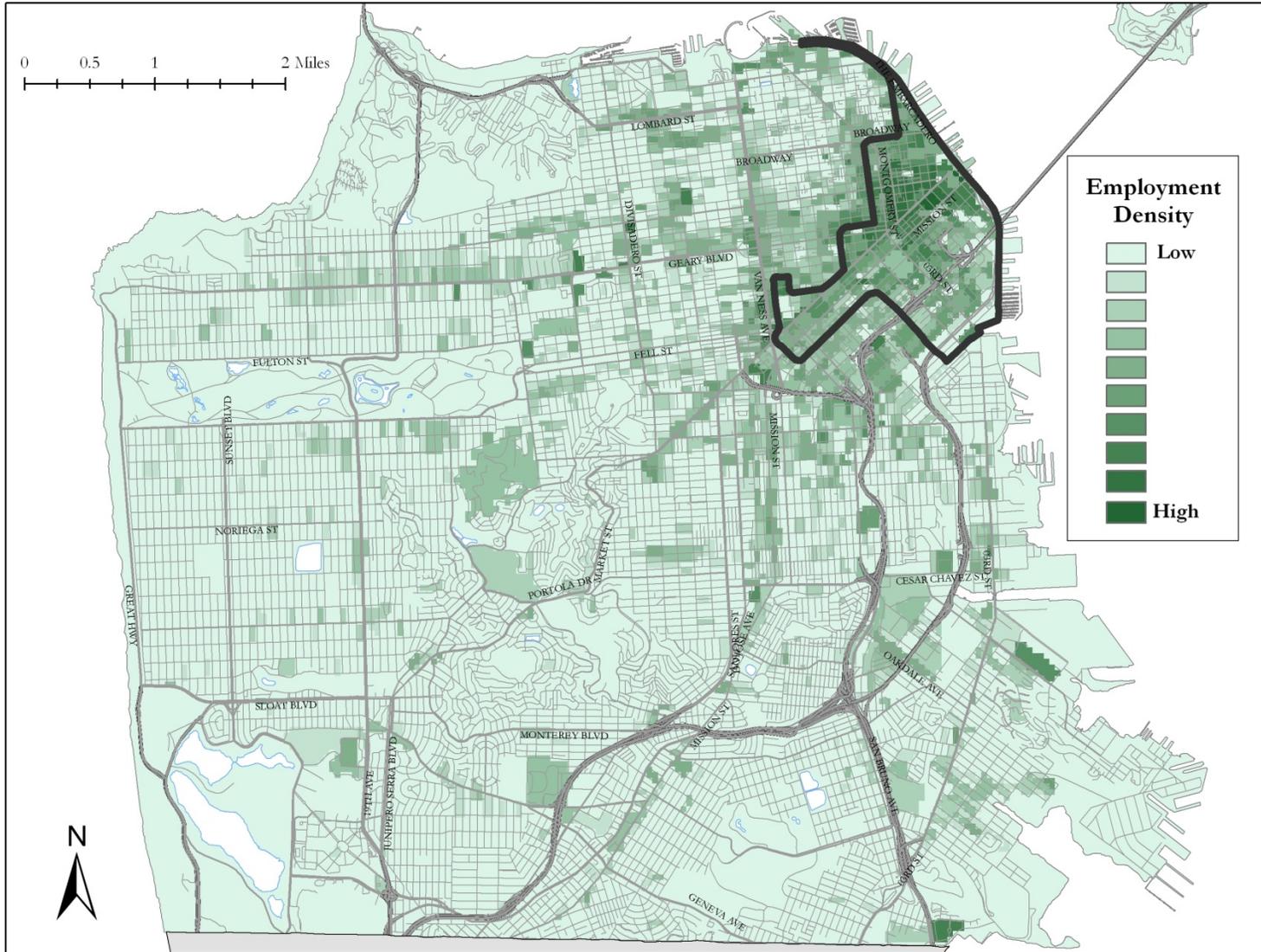


- BART Station
- Caltrain Station
- Ferry Terminal
- Temp Transbay Terminal

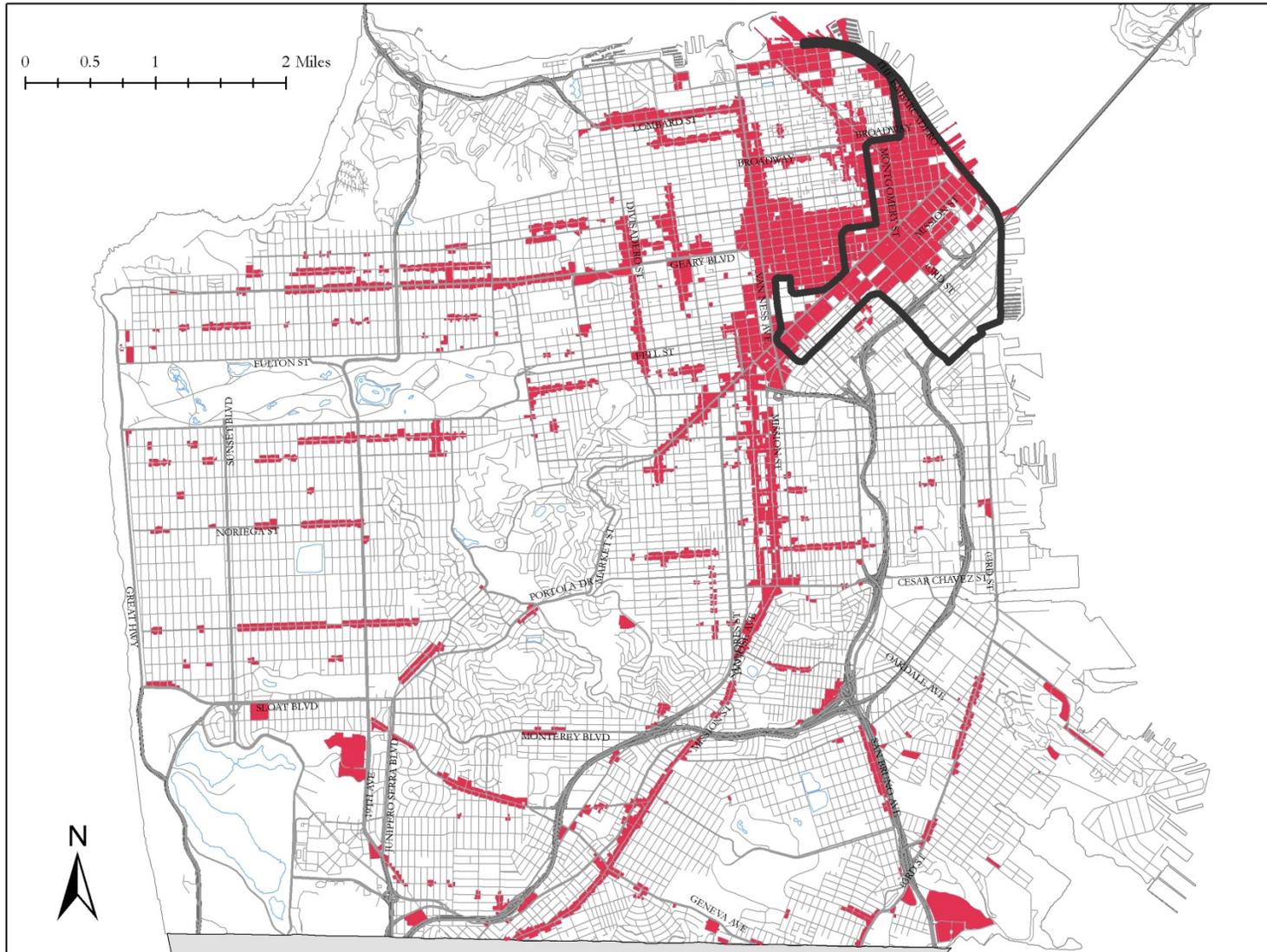
Transit

- Low
-
-
-
- High

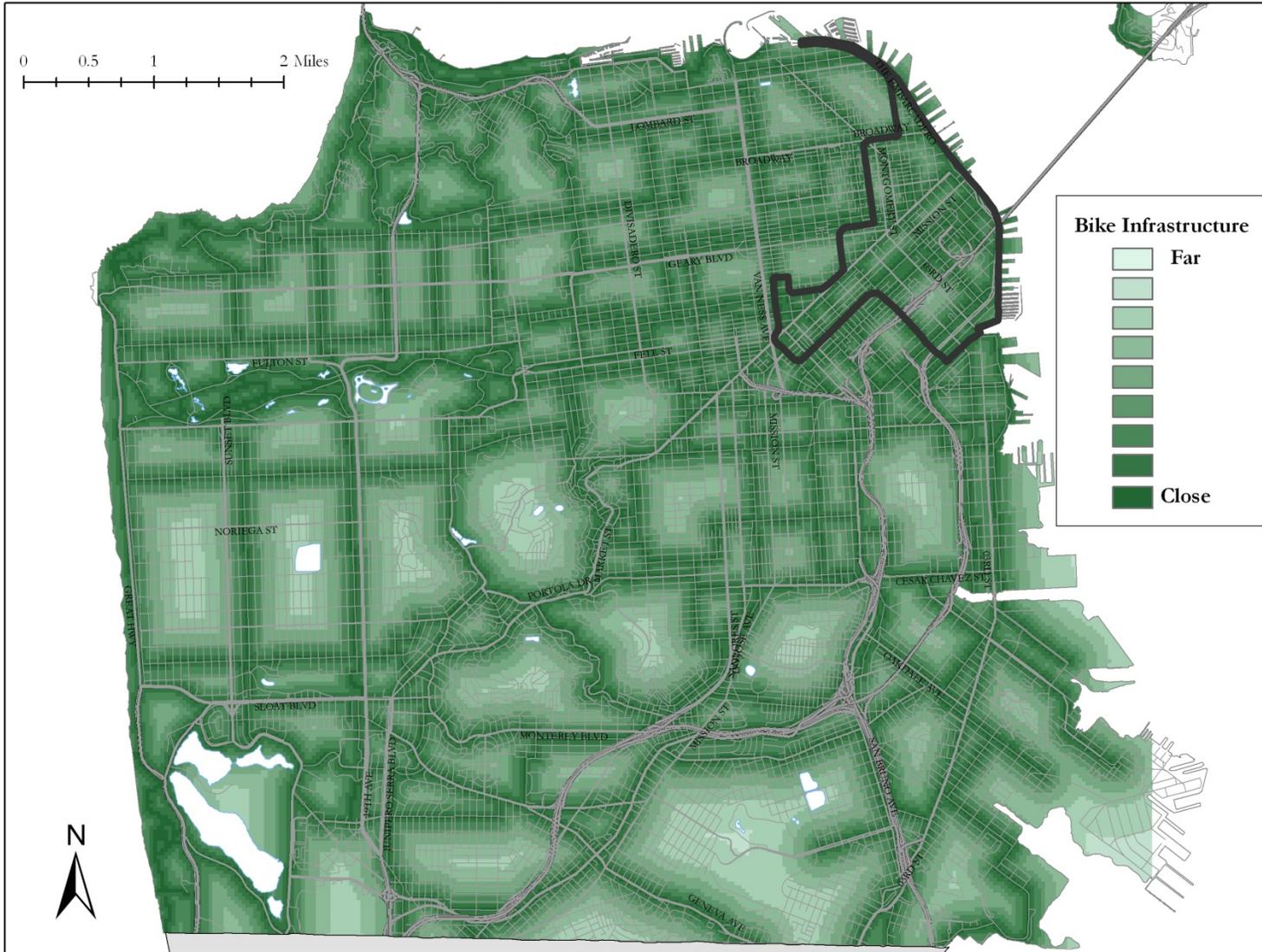
Suitability Factor: Employment Density (by Block)



Commercial Zoning



Suitability Factor: Bicycle Infrastructure



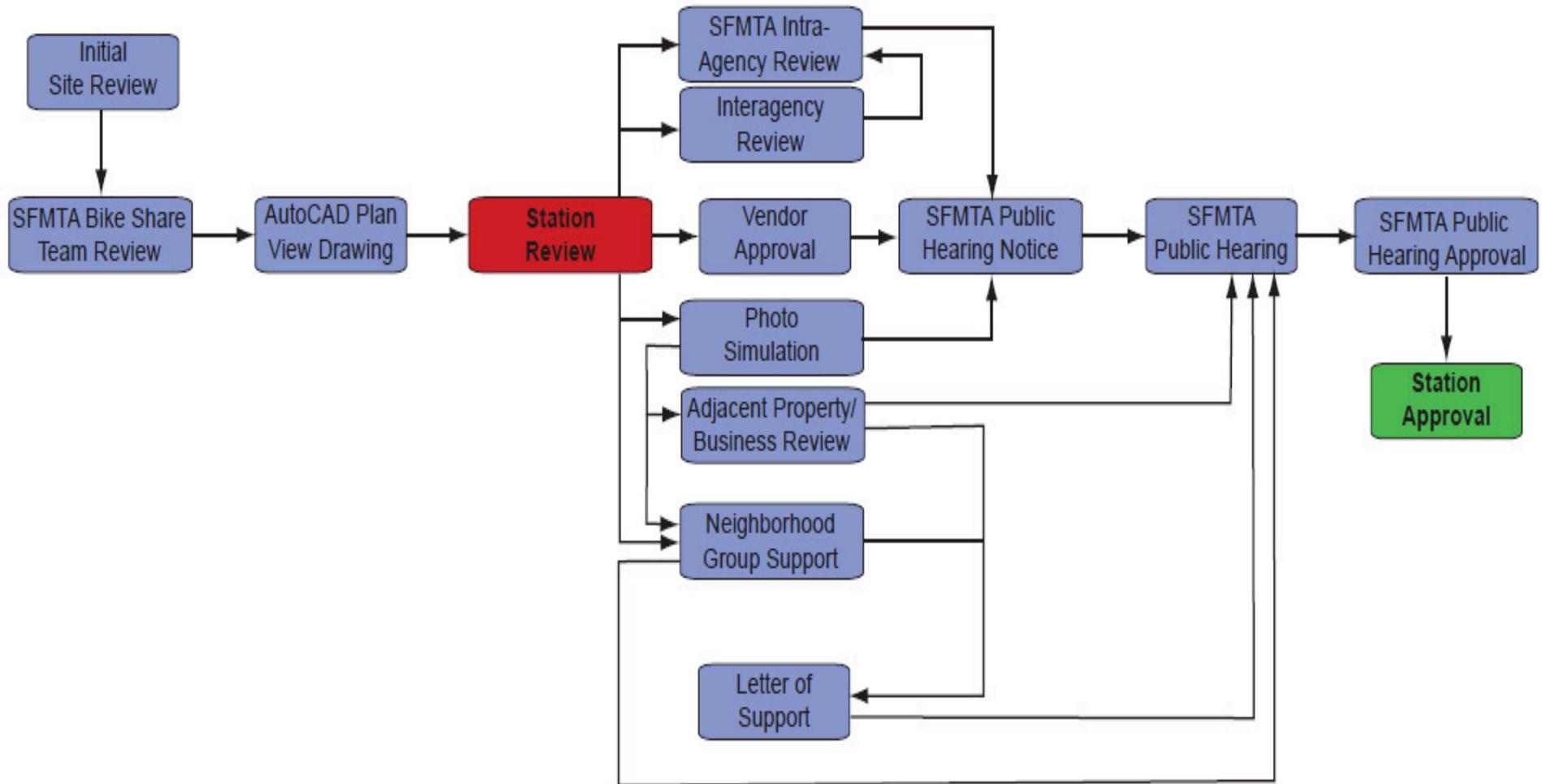
Guiding Principle:

Bike Sharing Station Density is Key to Success

“The number one indicator of success is density of stations.”

Alison Cohen, President, *Alta Bike Share*

Station Approval Flow



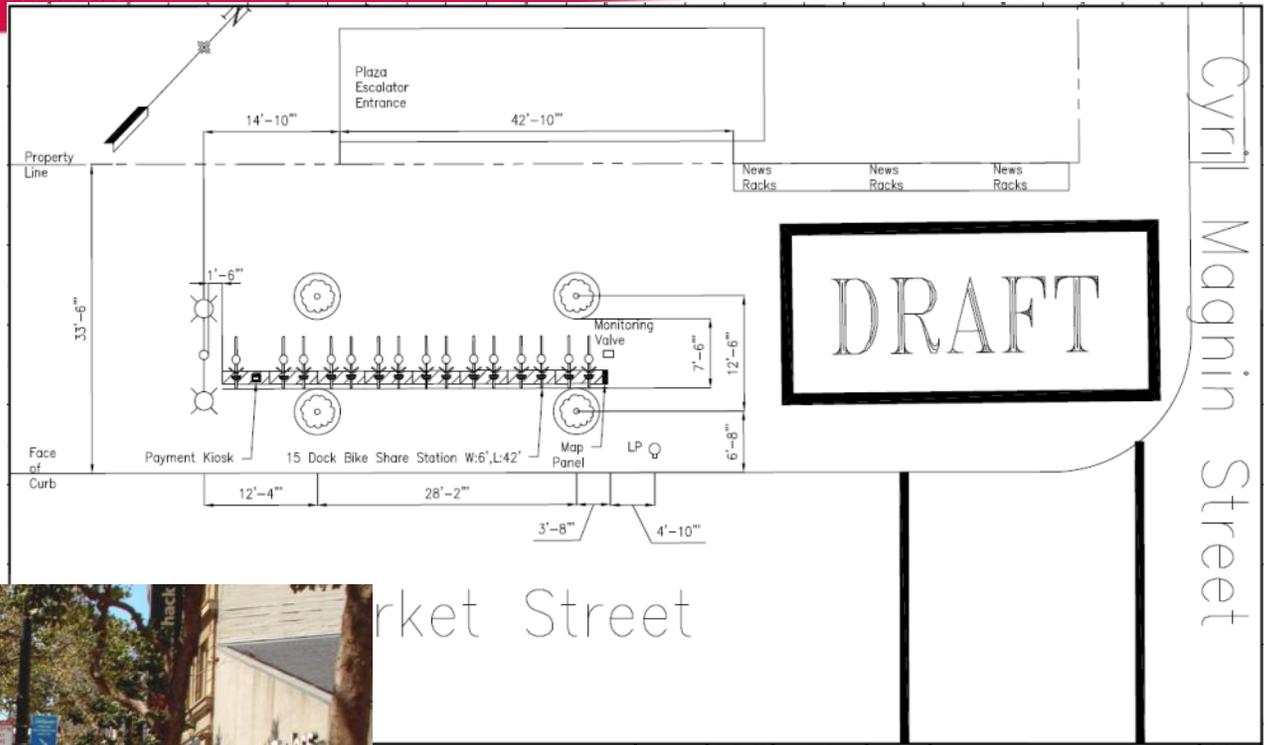
Initial Site Review Placement Guidelines

- Stations should be visible
- For sidewalk locations, preserve 6 feet of through space
- Stations should be placed at least:
 - **2 feet** from any standpipe, parking meter, mailbox, light post, utility vault, garbage can, news rack
 - **3 feet** from any driveway or wheelchair ramp
 - **5 feet** from any low pressure fire hydrant, MUNI shelter, advertising kiosk, or crosswalk
 - **8 feet** from fire escape/exit

Station Setup

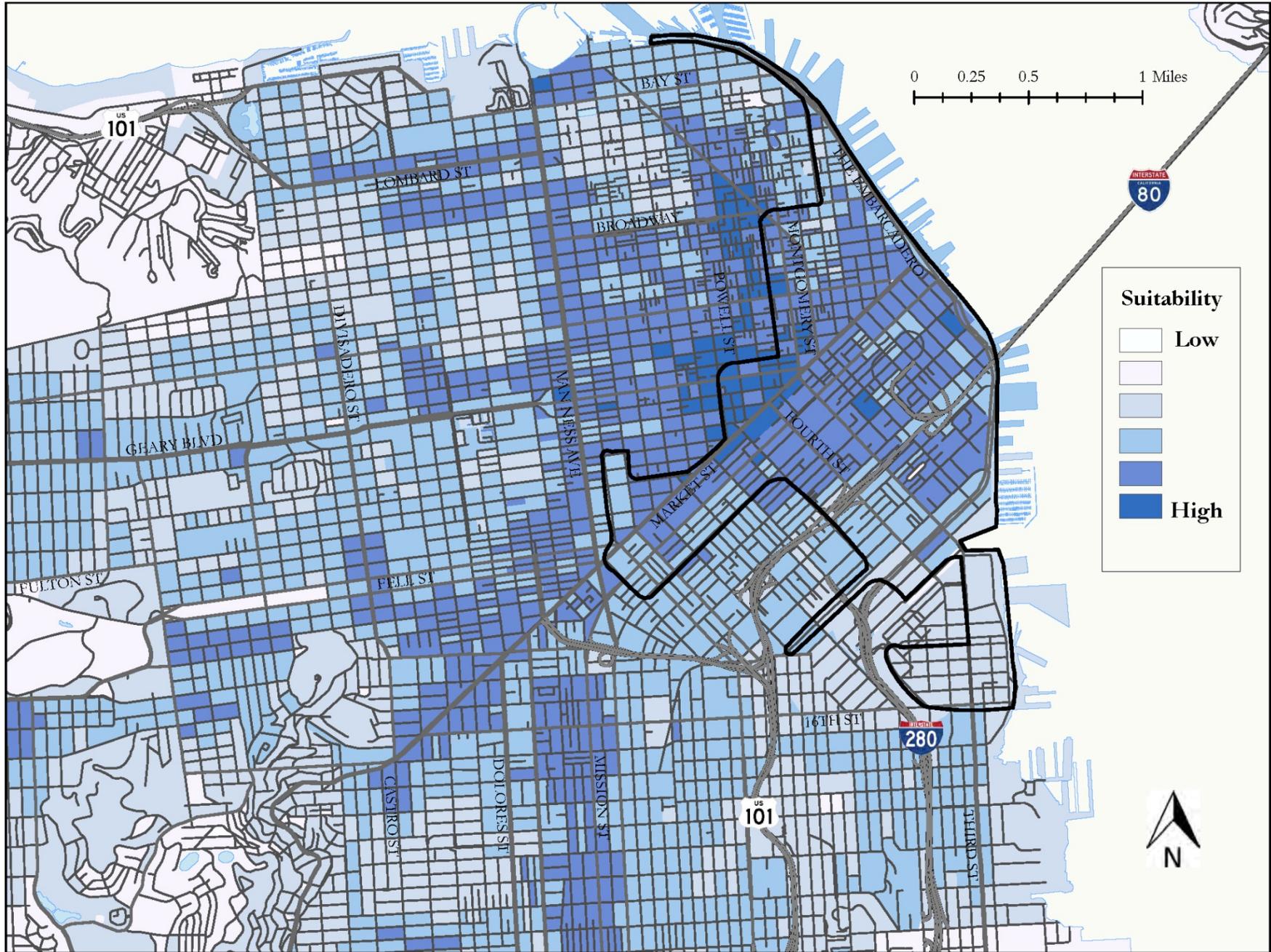






CISCO MUNICIPAL TRANSPORTATION AGENCY		DATE: 1/18/11-07		San Francisco Bike Share Pilot		PROJECT NO: 33333
CITY AND COUNTY OF SAN FRANCISCO		SHEET OF SHEETS: 03 OF 03		Market 7		DRAWING NO: DWGNO
				Cyril Magnin and Market Street		SHEET NO: 33333
				Hallidie Plaza		REV. NO: 001

Bike Share Suitability Map: Northeast San Francisco



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Bicycle Rebalancing

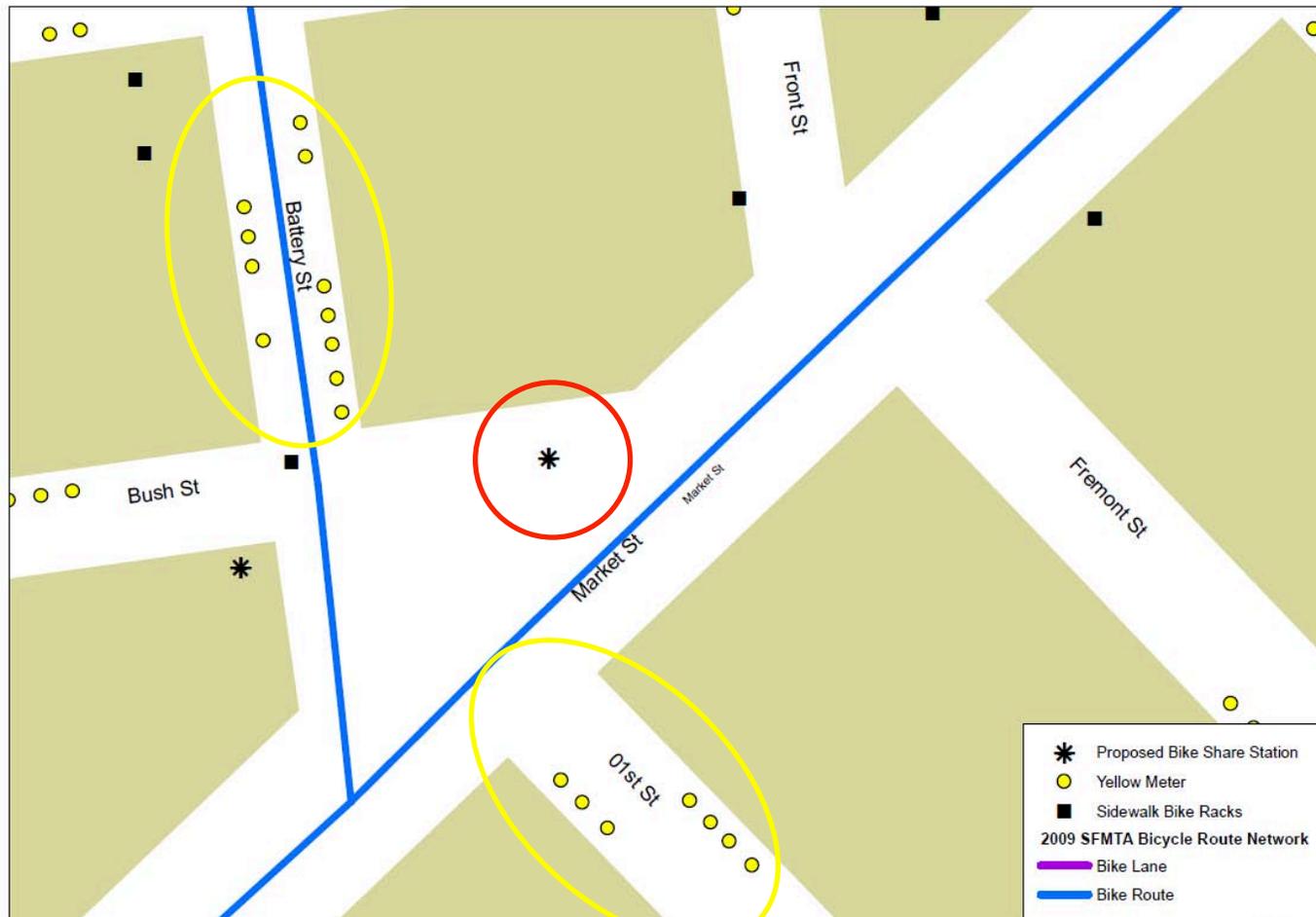


Jonathan Wilson



Jonathan Wilson

Bike Facilities and Loading Zones



**San Francisco Bicycle Sharing
Proposed Station Bike Facilities - Market 2A**

