

## **Powell Street Safety Pilot**

SFMTA Board November 3, 2015

## **Proposal**

#### **Geary Turn Restrictions**

General traffic - No left turn from westbound Geary to southbound Powell and right turn only from southbound Powell onto Geary.

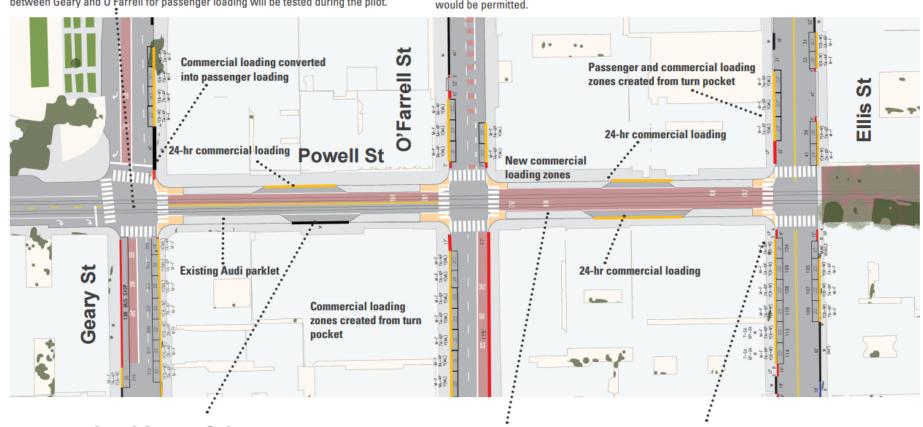
Exceptions to the above restrictions allowing for traffic to access southbound Powell between Geary and O'Farrell for passenger loading will be tested during the pilot.

#### O'Farrell Turn Restrictions

No turns from O'Farrell onto Powell would be permitted.

#### **Ellis Turn Restrictions**

All vehicles except Muni and vehicles with commercial license plates would be prohibited from turning onto Powell.



#### **Local Access Only**

Permits passenger loading to local businesses. Vehicles can only exit the street to eastbound O'Farrell.

#### **Red lanes indicate restriction**

All vehicles are prohibited from these areas except Muni and commercial vehicles.

#### **Painted safety zones**

These extensions reduce the turn radius, causing vehicles to turn more slowly onto Powell.

### **Motivation**

## Vision Zero SF



Powell Street: 2<sup>nd</sup> highest walking volumes in the City

2010-2014:

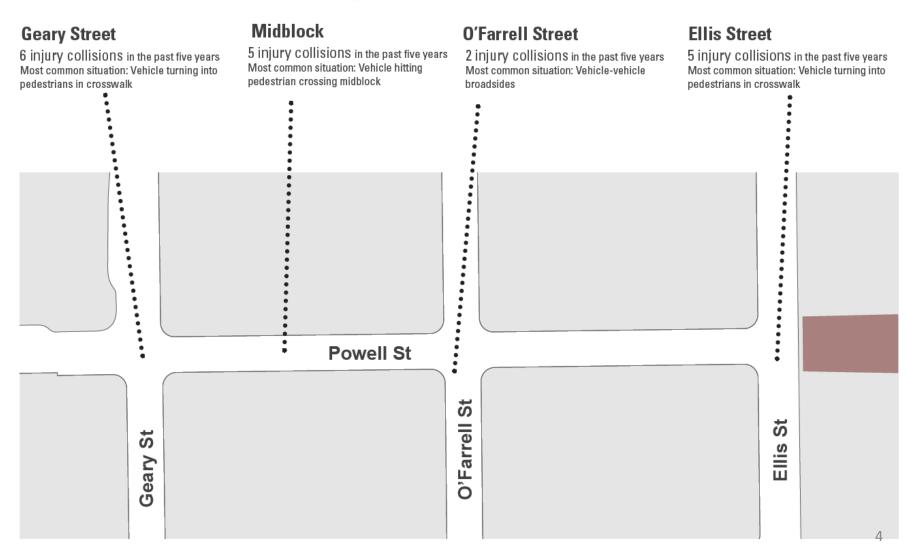
25 reported collisions

(18 injury collisions)



## **Vision Zero: Collisions**





### **Motivation**

## **Cable Car Safety**

Increased congestion on Powell has reduced cable life by 25% over the past 5 years and 40% over the past 15 years.

Sounding Cable car operators seek more protections after collisions PAGE 4 **Automated play** Seeing stars **Biological rights** Police discipline Commission details 'Desk Set' touches Giants to play big Ex-couple in court on workplace tech role in All-Star Game over embryo's future officer discrepancies PAGE 14 PAGES 10-11 PAGE 6

Photo courtesy of SF Examiner

### **Motivation**

### **Pedestrianization**

Union Square businesses have expressed interest in a pedestrianized Powell.

This pilot would collect information used to inform a future pedestrianization project.



### **Pilot Goals**

Improve safety by reducing collisions

Study the effect of reduced vehicle traffic on cable wear and tear

Study the effects of the closure on traffic circulation

Study the effects on loading in preparation for possible pedestrian mall project

## Data to be Collected



### Cable replacement records

Indicate effect on cable wear and tear



### **Transit travel times**

Expect fewer delays for 38 Geary and cable cars



Collision reports
Show effects on safety



### Loading zone observations

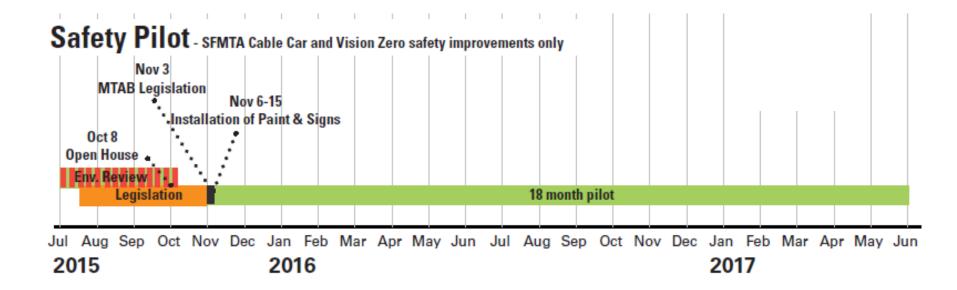
Show impact to businesses



### **Traffic counts and speeds**

Show effects of restrictions on traffic

## **Timeline**



## **Project Benefits**

### **Vision Zero**

Improves safety by restricting turns

## **Cable Car Safety**

Reduces wear and tear on cable

## **Muni Efficiency**

Reduced delays for 38 Geary

### **Public Realm**

Study effects of future streetscape plans for Powell

### **Outreach – Process**

### **April 2015**

Union Square BID contacted

### **July 2015**

SFMTA and BID door-to-door outreach

Union Square BID briefed stakeholders

### **July-September 2015**

7 meetings between City staff, BID, Hotel Council, business owners, property owners

### Oct 2015

Public Open House – 20 attendees

### **Outreach – What We Heard**

Retailers concerned about commercial loading access.

Hotels concerned about passenger loading access.

Business interests said the area needs more parking enforcement

General traffic circulation concerns were also expressed, including combination with Market / Stockton closures.

## **Modified Design / Process**

Original design: No vehicles on Powell except Muni, paratransit, taxis.

### After outreach:

Changed design to allow:

- Commercial vehicles
- Vehicles accessing SB Powell between Geary and O'Farrell for passenger pick up or drop off
- Testing of turn restrictions at Powell /
   Geary on a temporary basis

## **Proposal**

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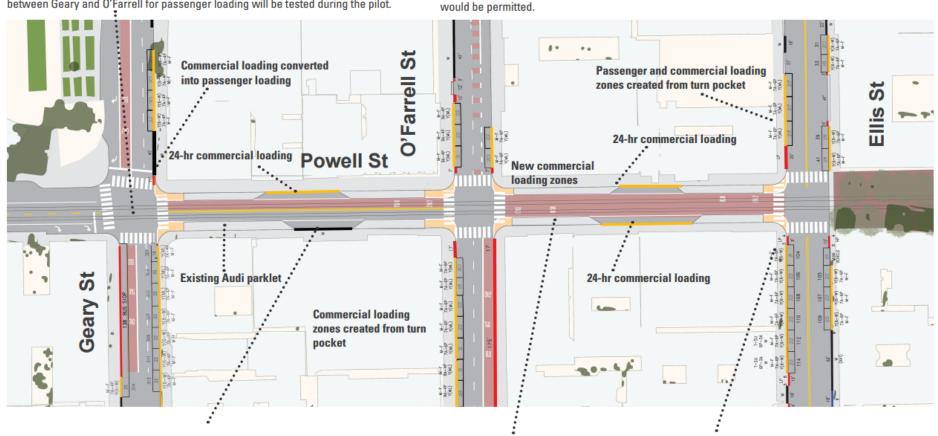
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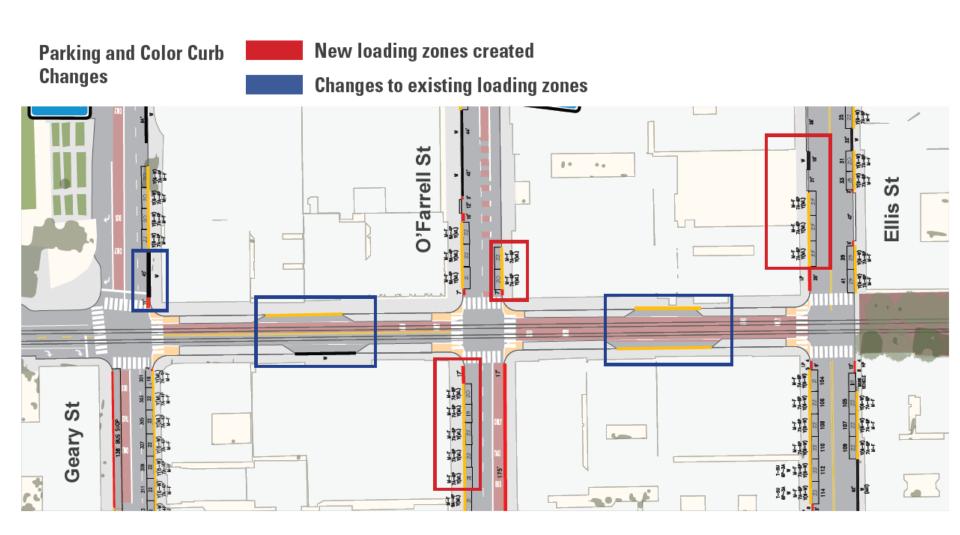
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## **Proposal – Vehicle Restrictions**



## **Proposal – Parking and Loading**





Contact Information

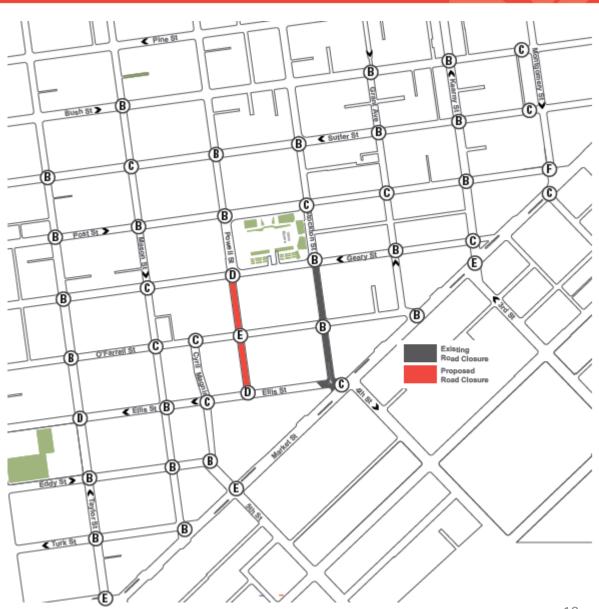
Dan Howard, Project Manager

dan.howard@sfmta.com

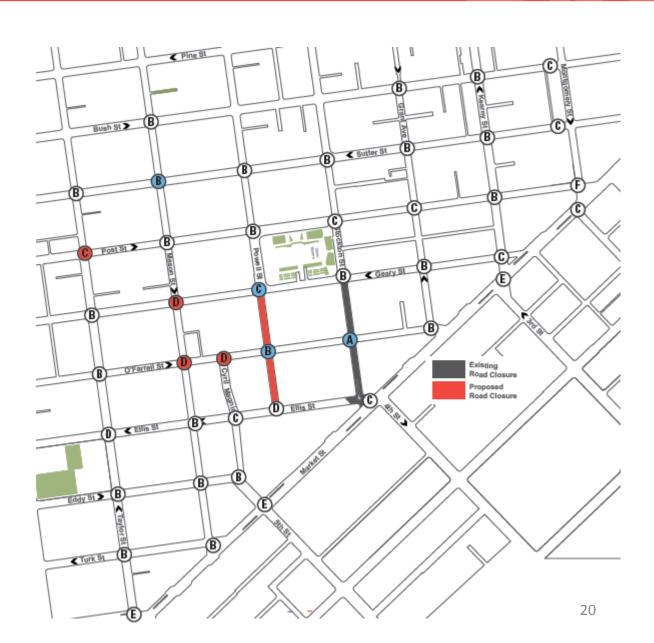


## Data Slides

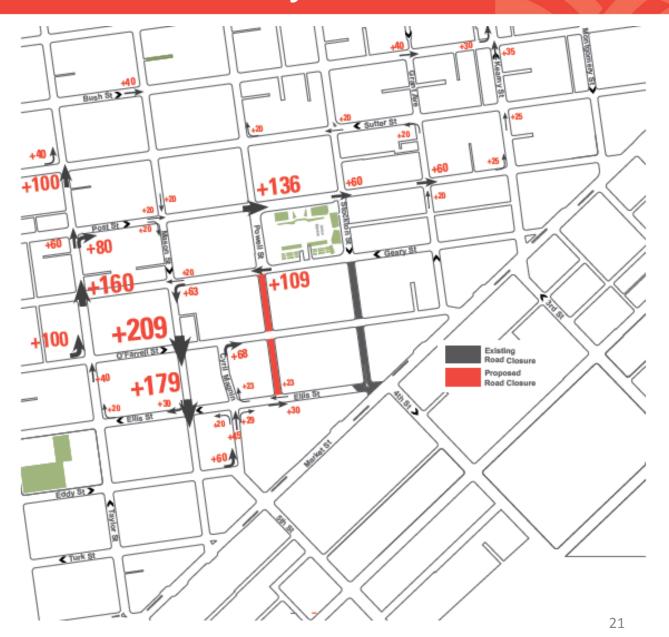
Existing (No-Build) LOS



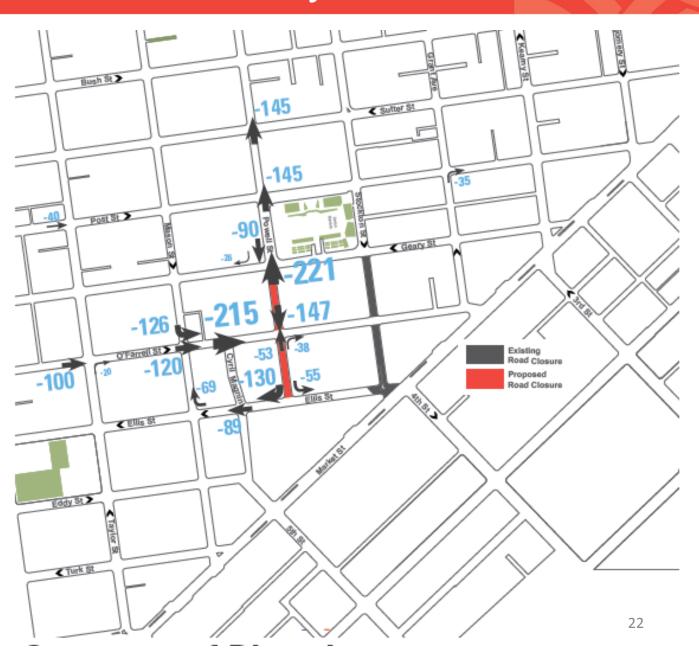
# With Project LOS



## Volume Increases

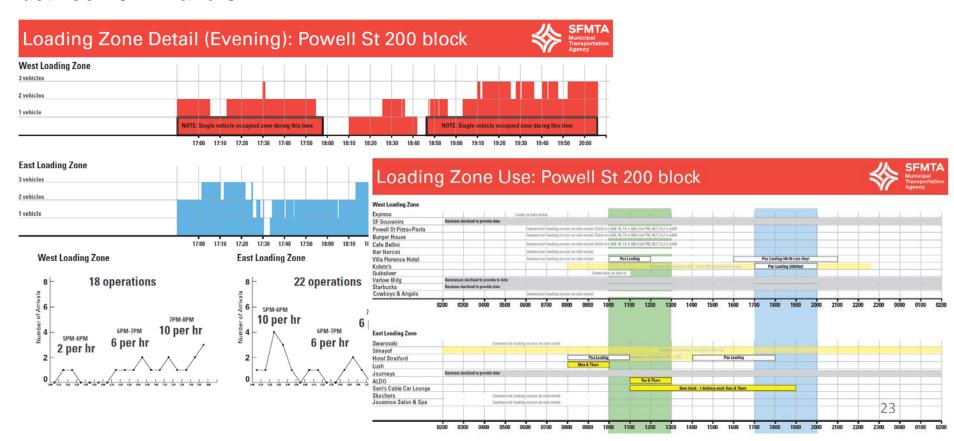


## Volume Decreases



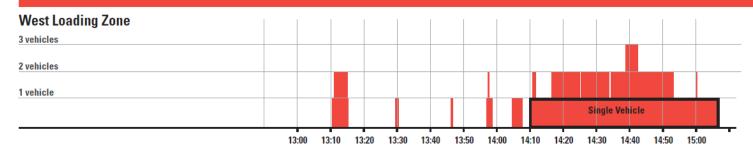
Union Square BID issued a survey designed by SFMTA and Planning to determine merchants' loading needs.

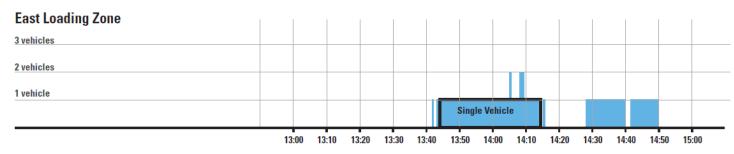
SFMTA staff and interns followed up on this survey by directly observing loading activity on random dates and times designed to get a complete picture of the peak loading between 9 AM and 8 PM.



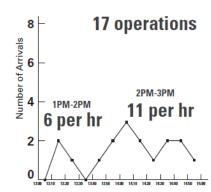
### Loading Zone Detail (Early Afternoon): Powell St 200 block



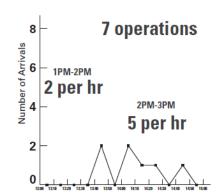




#### **West Loading Zone**



#### East Loading Zone



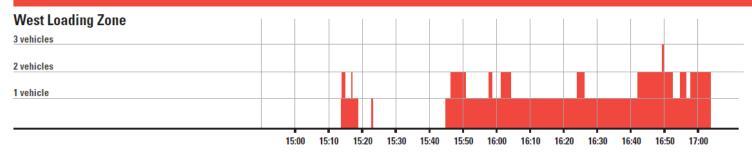
#### Summary

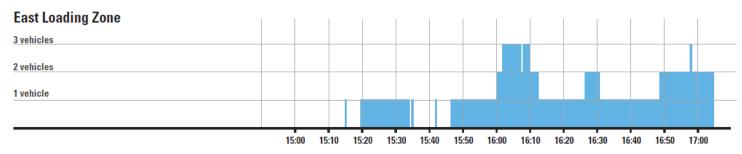
Both zones support about 6-7 loading operations per hour on average. The west zone was much more heavily trafficked than the east zone.

Both zones were occupied by single vehicles for long periods of time.

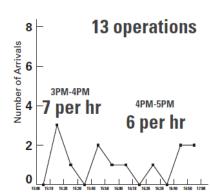
### Loading Zone Detail (Late Afternoon): Powell St 200 block



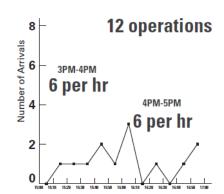




#### **West Loading Zone**



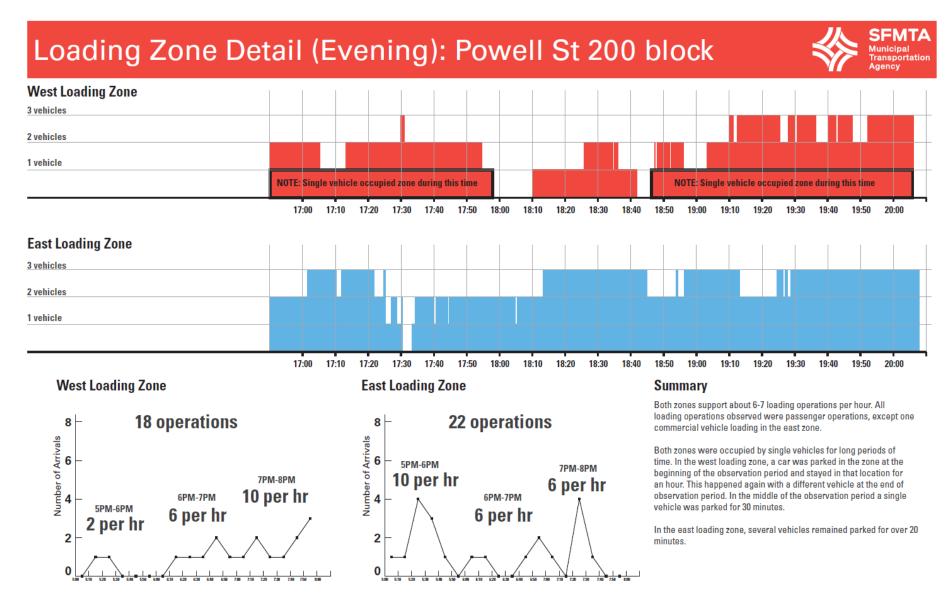
#### East Loading Zone



#### Summary

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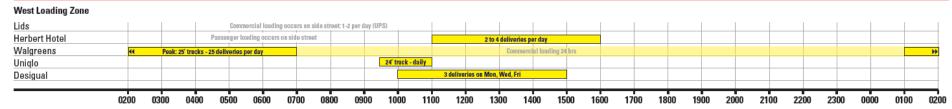
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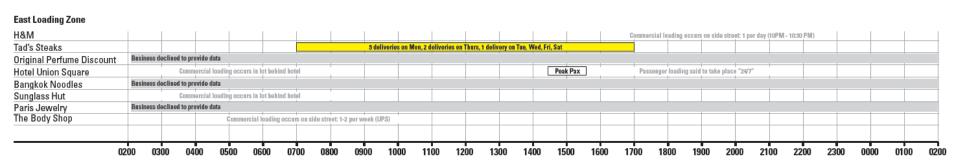


## **Loading Survey**

### Loading Zone Use: Powell St 100 block



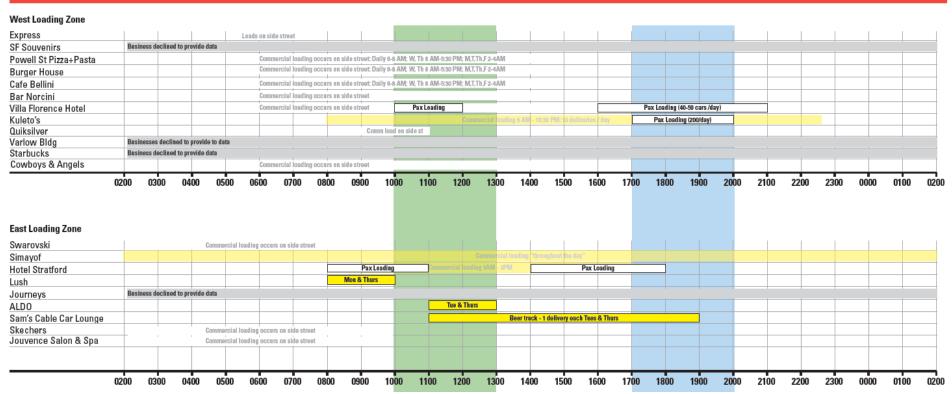




## Loading Survey

### Loading Zone Use: Powell St 200 block





## Cable Life Data – 25% reduction

