

**SFMTA** Municipal Transportation Agency



SFMTA Board November 3, 2015

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### 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



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

2010-2014:

25 reportedcollisions(18 injury collisions)



### **Vision Zero: Collisions**



#### **Geary Street**

6 injury collisions in the past five years Most common situation: Vehicle turning into pedestrians in crosswalk

#### Midblock

5 injury collisions in the past five years Most common situation: Vehicle hitting pedestrian crossing midblock

#### O'Farrell Street

2 injury collisions in the past five years Most common situation: Vehicle-vehicle broadsides

#### **Ellis Street**

5 injury collisions in the past five years Most common situation: Vehicle turning into pedestrians in crosswalk



### **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.

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.



#### 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



### **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

#### 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

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### **Proposal – Vehicle Restrictions**



### **Proposal – Parking and Loading**





#### **SFMTA** Municipal Transportation Agency



#### Contact Information Dan Howard, Project Manager dan.howard@sfmta.com



#### **SFMTA** Municipal Transportation Agency



# **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

<u>3 vehicles</u> 2 vehicles

1 vehicle

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





15:00





Both zones support about 6-7 loading operations per hour.

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

SFMTA



### Loading Survey



#### Loading Zone Use: Powell St 100 block



Lids			Commerc	ial loading oc	curs on side :	street: 1-2	per day (UPS)			1		1 1				1	1							
Herbert Hotel		Pa		ng occurs on s					_	2	to 4 deliveries	ner dev												
Walgreens	44 Peak:	trucks - 25	leliveries per	veh								rcial loading 24	hrs											••
Uniqlo		110000-201	envenes per		-	-	2	4' truck - da	ily			i i i i i i i i i i i i i i i i i i i												
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East Loading Zone																								
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•					_		5 delive	ries on Mor	n, 2 deliveries	es on Thurs, 1 d	elivery on Tue	, Wed, Fri, Sat		C	ommercial I	oading occu	rs on side st	treet: 1 per da	ay (10PM - 1	10:30 PM)				
H&M	Business declined	p provide dat					5 delive	ries on Mor	n, 2 deliveries	es on Thurs, 1 d	elivery on Tue	, Wed, Fri, Sat		C	ommercial I	oading occu	rs on side st	treet: 1 per da	ay (10PM - 1	10:30 PM)				
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H&M Tad's Steaks Original Perfume Discount		ommercial lo	ading occurs i	a lot behind ho			5 delive	ries on Mor	n, 2 deliveries	es on Thurs, 1 d	elivery on Tue		Pax	C					ay (10PM - 1	10:30 PM)				
H&M Tad's Steaks Original Perfume Discount Hotel Union Square	Business declined	commercial los to provide dat	ading occurs i a	in lot behind ho			5 delive	ries on Mor	n, 2 deliveries	es on Thurs, 1 d	elivery on Tue		(Pax	C					ay (10PM - 1	10:30 PM)				
H&M Tad's Steaks Original Perfume Discount Hotel Union Square Bangkok Noodles	Business declined	commercial lo to provide dat commercial lo	ading occurs i a ading occurs i				5 delive	ries on Mor	n, 2 deliveries	es on Thurs, 1 d	elivery on Tue		Pax	C					19 (10PM - 1	10:30 PM)				
H&M Tad's Steaks Original Perfume Discount Hotel Union Square Bangkok Noodles Sunglass Hut	Business declined	commercial lo to provide dat commercial lo	ading occurs i a ading occurs i a	in lot behind h	otel	Lineet: 1-2 p	5 delive		n, 2 deliveries	as on Thurs, 1 d	elivery on Tue		(Pax						19 (10PM - 1	10:30 PM)				

### Loading Survey

#### Loading Zone Use: Powell St 200 block



#### West Loading Zone

west Loaunig Zone																							
Express				Loads on s	side street																		
SF Souvenirs	Business	declined to pr	rovide data																				
Powell St Pizza+Pasta				Con	nmercial load	ing occurs on	side street: D	)aily 6-8 AM; 1	W, Th 8 AM-5:30	9 PM; M,T,Th,F 2-	AM												
Burger House				Con	nmercial load	ing occurs on	i side street: D	)aily 6-8 AM; \	W, Th 8 AM-5:30	PM; M,T,Th,F 2-	1AM												
Cafe Bellini				Con	nmercial load	ing occurs on	side street: D	aily 6-8 AM; \	W, Th 8 AM-5:30	9 PM; M,T,Th,F 2-	AM												
Bar Norcini				Con	nmercial load	ing occurs on	side street																
/illa Florence Hotel				Con	nmercial load	ing occurs on	side street		Pax Loading						Pax Loadi	ıg (40-50 cars/da	y)						
Kuleto's											loading 8 AN	- 10:30 PM: 10	deliveries / d	ay	Pax Lo	ading (200/day)							
Juiksilver							Cor	mm load on si	ide st														
/arlow Bldg	Businesse	es declined to	provide to da	ita																			
Starbucks	Business	declined to pr	rovide data																				
Cowboys & Angels				Con	nmercial load	ing occurs on	side street	_															
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#### Cable Life Data – 25% reduction

