

**MUNI** FORWARD



# L Taraval Rapid Project *Webinar*



**VISION  
ZERO  
SF**

**SAFETY  
IN ACTION**

**MUNI  
FORWARD**



We're actively working to make it safer and  
and more reliable to get around  
San Francisco.



*Muni Forward brings together the long list of  
of projects underway to achieve this vision,  
vision, such as new vehicles, increased  
frequency, and route improvements for better  
better service.*

- Proposed: Future Project
- Proposed: Outreach Underway
- Approved: Awaiting Construction
- Approved: Construction Started
- Implemented



# WHY TARAVAL?

- » Taraval Street is one of the most dangerous streets in the city for pedestrians
- » In the past 5 years, 46 people have been hit by a vehicle while walking
- » **22** of those hit were getting on or off the train



# WHY TARAVAL?

- » The L Taraval also carries nearly 30,000 people
- » Slow and unreliable
- » Leads to long waits at the stop, crowded trains





# L TARAVAL PROJECT GOALS

1. Improve **state of good repair** of our transit system
  - Track and overhead replacement
  - Surface repaving
  - Water and sewer replacement
  - Curb ramp upgrades
2. **Improve safety** on Taraval
  - Eliminate injuries, in support of Vision Zero
3. Improve **transit reliability** and **comfort**
  - Reduce long waits for the train

# DEVELOPING A SOLUTION

**2006-2014:** Transit Effectiveness Project (TEP)

**March 4, 2014:** Taraval-specific open house

**March 28, 2014:** TEP is environmentally cleared, draft proposal is developed for Taraval

**September 2015-now:** outreach to Sunset community to share draft proposal and gather feedback

- » **Sept 22, 2015:** Focus group 1
- » **Sept 28, 2015:** Focus group 2
- » **Oct 7, 2015:** 1st open house
- » **Nov 4, 2015:** “Pop-up” open house
- » **Dec 14, 2015:** 2nd open house
- » **Feb 4, 2016:** Walking tour
- » **Feb 17, 2016:** Third open house
- » **April 13, 20, 27, 2016:** Series of small group meetings with Taraval stakeholders

# PROPOSED SOLUTION

- » Boarding islands
- » Stop removal and relocation
- » Traffic signals
- » Transit-only lanes
- » Pedestrian bulbs





# BOARDING ISLANDS



Taraval/23<sup>rd</sup> Ave. boarding island



Judah Street boarding island

## Giving riders a place to stand

Boarding islands provide transit riders a **safe** place to get on and off the train, and will eliminate most collisions.

Result in parking to be converted to a travel lane.

# PARKING RELOCATION STRATEGIES TO SUPPORT PROPOSED SAFETY IMPROVEMENTS






Add angled parking on side streets

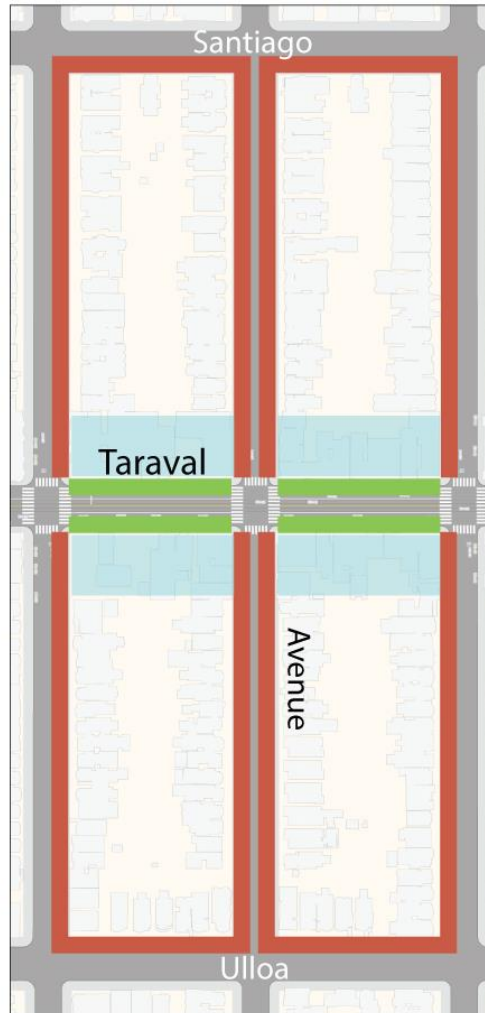


Manage nearest spaces on side streets to encourage turnover

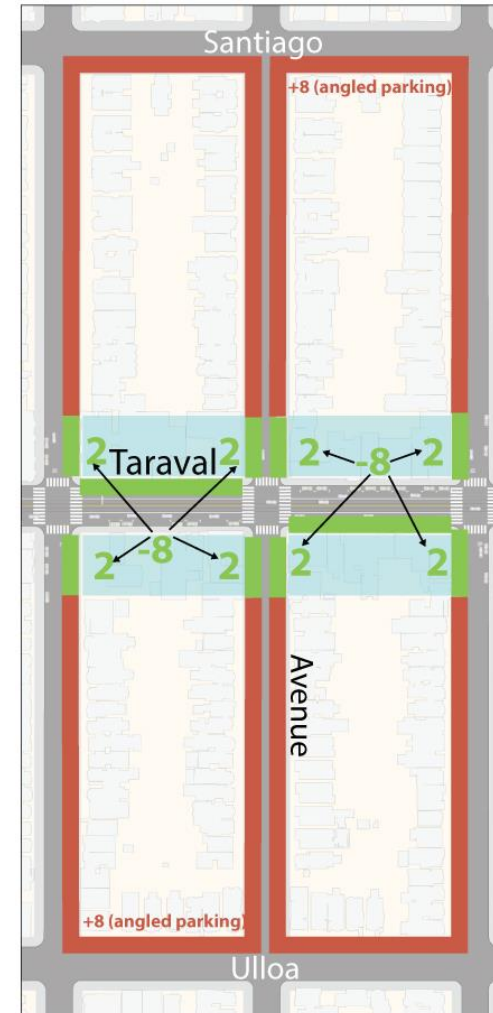
# PARKING RELOCATION PLAN

-  Low-turnover long-term parking (unregulated)
-  Customer-oriented parking (metered/time-limits)
-  Buildings fronting Taraval

**Existing**



**Parking Relocation**





# L BOARDING ZONE PILOT



# PILOT LOCATION CRITERIA

## **Low-risk stop**

- No crashes during study period (2009-2013)
- Fewer than 300 daily alighting's (95% of crashes happen when passengers are alighting, not boarding)

**Located in commercial area of Taraval**



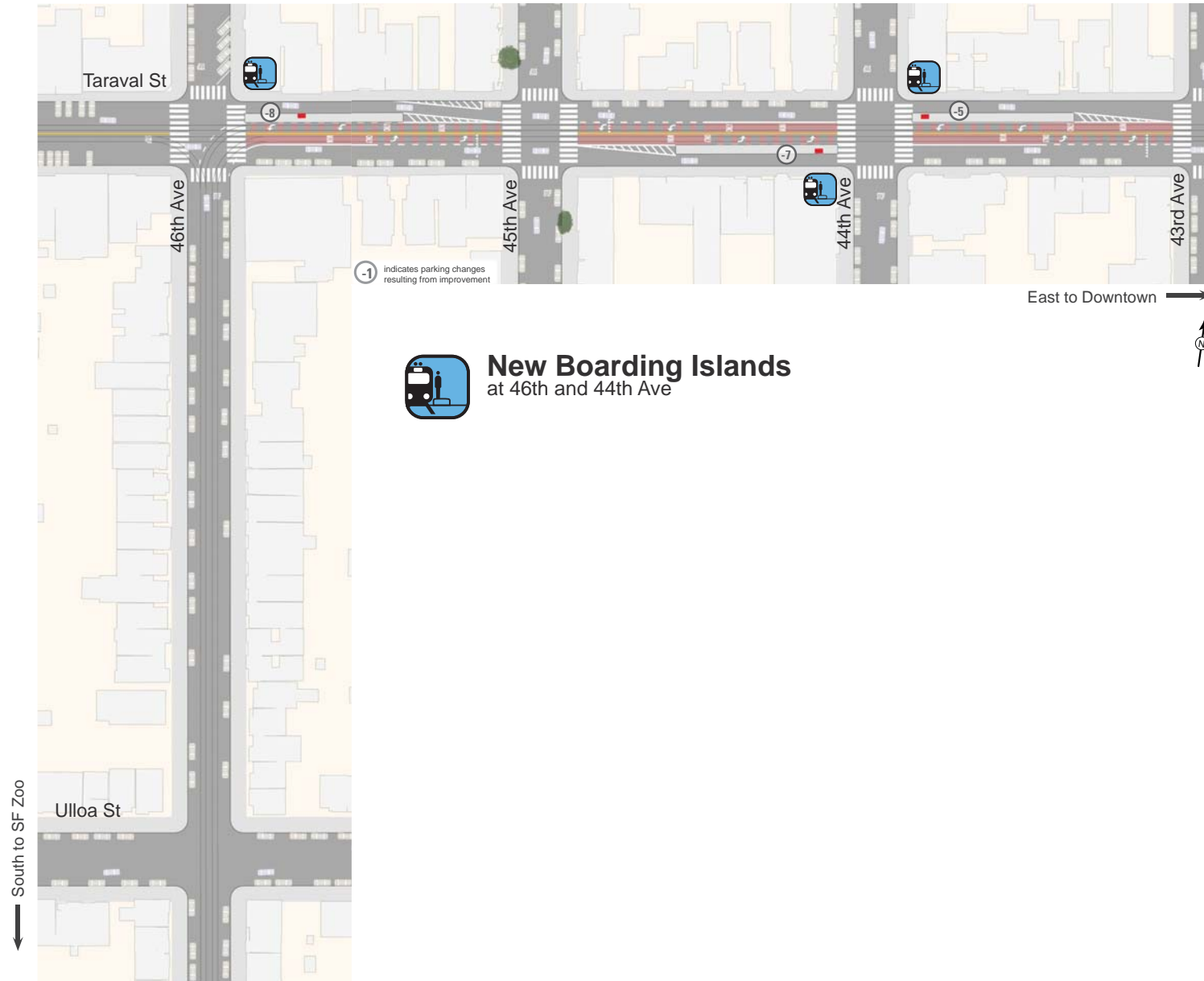
# PILOT EVALUATION

## **Evaluation criteria:**

- % of drivers complying with requirement to stop
- Any crashes at pilot locations (related to boarding)

**Install boarding islands if pilot is not successful.**

## Intersection-level details



# Proposal Detail: 43rd Ave to 40th Ave

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**New Boarding Islands**  
at 40th and 42nd Ave



**New Boarding Islands**  
w/ high-level accessible platform  
at 42nd Ave



-1 indicates parking changes resulting from improvement

← West to SF Zoo

→ East to Downtown



# Proposal Detail: 39th Ave to Sunset Ave

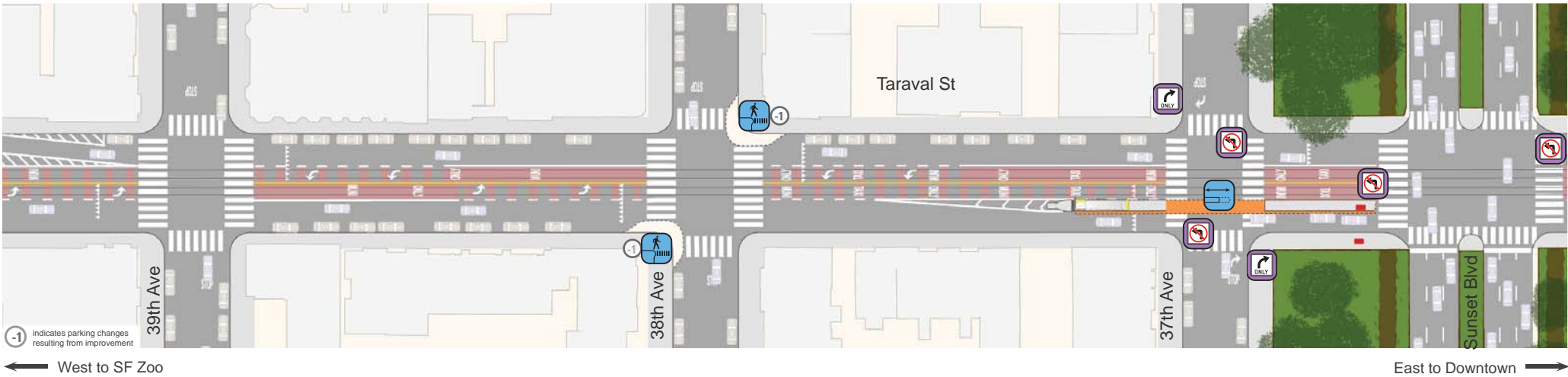
# MUNI FORWARD

 **Extend Transit Island with Accessible Platform**  
at 37th Ave

 **No Left Turn**  
onto Taraval Street from 37th Ave

 **New Pedestrian Bulbs**  
at 38th Ave


 **Right Turn Only**  
onto Taraval Street from 37th Ave






# Proposal Detail: 36th Ave to 33rd Ave

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 **Extend Accessible Platform Transit Island**  
at 36th Ave

 **Remove Stop**  
at 35th Ave outbound

 **No Left Turn**  
onto Taraval from 36th Ave

 **New Pedestrian Bulbs**  
at 33rd Ave

 **Right Turn Only**  
onto Taraval Street from 36th Ave



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East to Downtown →



# Proposal Detail: 32nd Ave to 29th Ave

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**New Boarding Islands**  
at 32nd and 30th Ave



**New Boarding Island**  
w/ high-level accessible platform  
at 30th Ave (inbound)




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East to Downtown →




# Proposal Detail: 28th Ave to 25th Ave

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 **New high-level accessible platform**  
at 28th Ave (outbound)

 **New Boarding Islands**  
at 26th Ave

 **Remove Stop**  
at 28th Ave

 **New Traffic Signal**  
at 28th Ave



← West to SF Zoo

East to Downtown →




 **Extend Transit Island**  
at 22nd Ave and at 23rd Ave

 **New Pedestrian Bulbs**  
at 21st Ave, at 22nd Ave and at 24th Ave

 **No Left Turn**  
onto Taraval Street from 23rd Ave

 **Remove Stops**  
at 22nd Ave and at 24th Ave

 **Right Turn Only**  
onto Taraval Street from 36th Ave

 **New Traffic Signals**  
at 22nd Ave and at 24th Ave



# Proposal Detail: 20th Ave to 17th Ave

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**New Pedestrian Bulbs**  
at 20th Ave



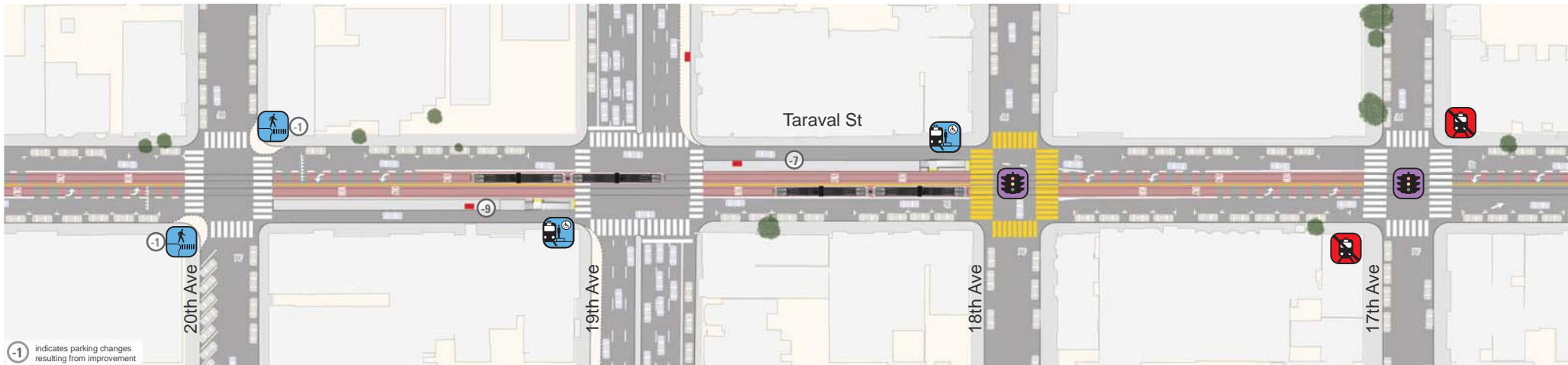
**New Traffic Signals**  
at 17th Ave and at 18th Ave



**New Boarding Islands**  
w/ high-level accessible platform  
at 19th Ave



**Remove Stops**  
at 17th Ave



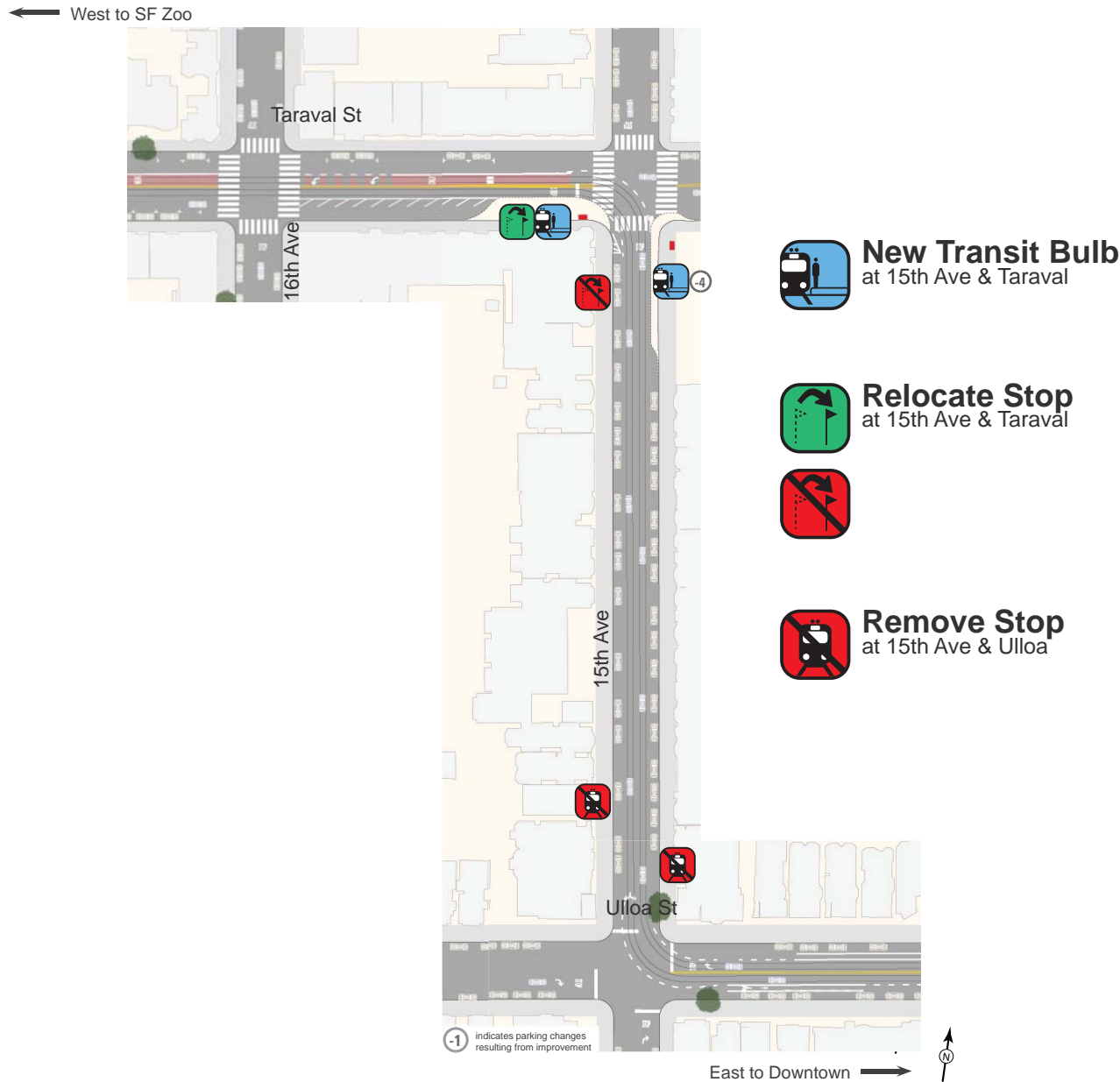
← West to SF Zoo

East to Downtown →





# Proposal Detail: 16th Ave to 14th Ave



Questions?

Reach out to [muniforward@sfmta.com](mailto:muniforward@sfmta.com)

**More information:**

[muniforward.com/L](http://muniforward.com/L)

