



# Soundwall Package 10 Construction Update Meeting

OCTOBER 4, 2023

**Metro is committed to ensuring that all participants can fairly and clearly share ideas, comments and concerns about this project. To provide a safe and equitable process, we are asking for your help.**

### **During this meeting, please:**

- > Respect the format of the meeting and allow everyone an opportunity to comment
- > Treat fellow community members, agency representatives, Metro staff and others with respect
- > Address all comments to Metro staff and consultants – not to other attendees

# Housekeeping

Today's meeting is being recorded.



> Attendee cameras are off and microphones are muted.



During the meeting, questions can be submitted using the Q&A icon.



For technical support, call or text 213.276.6008





## Free transit for students with GoPass!

Students at participating K-12 schools and community colleges ride for free on Metro and other transit agencies.

To find out if your district is participating, contact your school or visit [metro.net/gopass](https://metro.net/gopass).



**Metro**





# COMMUNITY MEETING

## October 4, 2023

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**SOUNDWALL PACKAGE 10**



# AGENDA

1. Introductions
2. Project Overview
3. Construction Updates
4. Construction Relations/Public Outreach
5. Questions

# INTRODUCTIONS



# MEET THE SW10 TEAM

## **METRO**

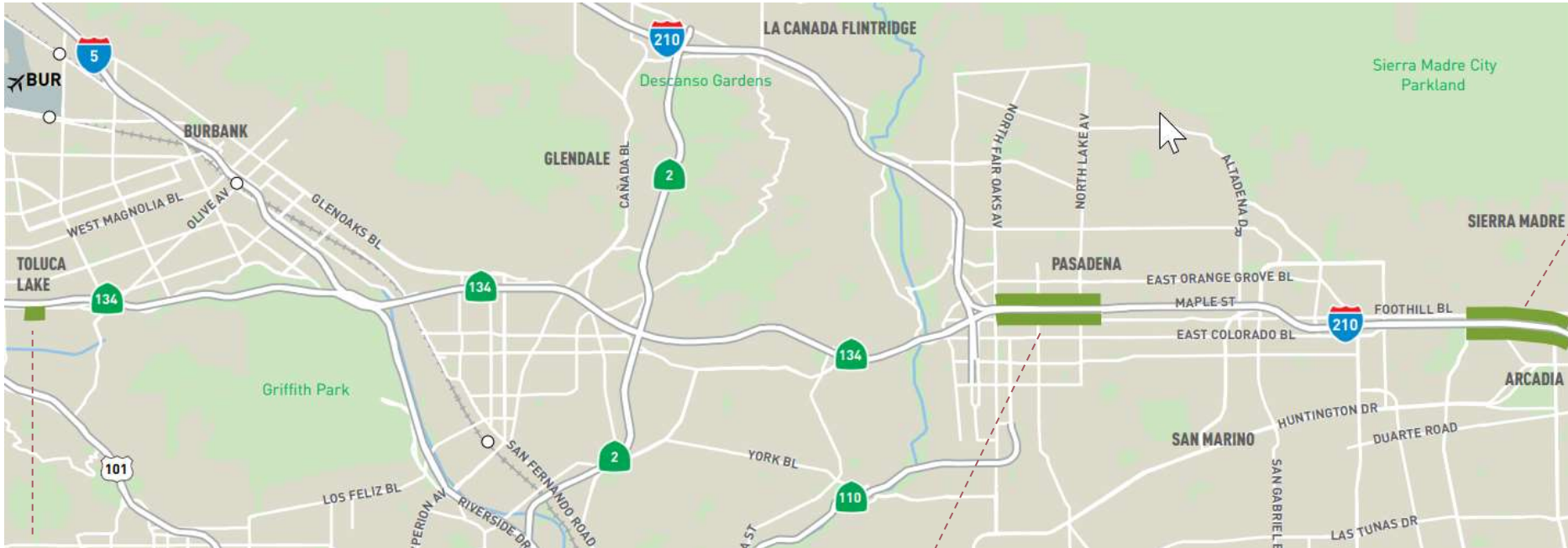
- Paul Sullivan, Deputy Executive Officer
- Sapana Shah, Deputy Project Manager
- Solomon Choi, Resident Engineer
- Tito Corona, Community Relations Manager
- JC Montenegro, Principal Community Relations Officer

## **C.A. RASMUSSEN**

- Tom Morrison, Project Manager
- Greg Hansen, Project Engineer

# PROJECT OVERVIEW

Soundwall Package 10 is part of the Metro Countywide Retrofit Soundwall Program (Phase 1, Priority 2)



**1.** Constructing a 620-foot section of wall on the SR-134 from 0.08 Mile east of Ledge Ave undercrossing to 0.02 Mile west of Forman Ave undercrossing

**2.** Approximately 1 mile of soundwalls along I-210 Freeway from 0.1 Mile west of Marengo Ave overcrossing to Wilson Ave in the City of Pasadena

**3.** Approximately 1.5 miles of soundwalls from Baldwin Ave to 0.1 Mile east of Santa Anita Ave undercrossing in the City of Arcadia

# COUNTYWIDE SOUNDWALL PROGRAM

- Current estimated cost
  - Phase I remaining soundwalls: \$216.6 million-\$433.2 million
  - Phase II: \$688 million-\$1.3 billion
- Soundwall Package 10 construction cost
  - Approximately \$48.9 million
  - Anticipated completion Summer 2025
- For more on Highway Soundwalls please visit:
  - [Metro.net/soundwalls](http://Metro.net/soundwalls)



## Metro's Highway Soundwall Program

In 1999, Metro inherited a nearly \$1 billion backlog of highway soundwall projects without corresponding funding. In 2000, the Metro Board of Directors adopted a policy for prioritizing, funding and constructing these soundwalls. As of 2017, there are approximately 250 miles of freeways that are eligible for soundwalls and this list keeps growing. New soundwalls are added to the list based on field tests conducted by Caltrans at the request of residents and local agencies. Metro continues to seek funding to build more soundwalls.

## What is traffic noise?

Traffic noise is a combination of the noises produced by vehicle engines, exhaust and tires. The level of highway traffic noise depends on several things:

- > Traffic volumes – Roads with more vehicles are generally louder.
- > Traffic speeds – Traffic becomes louder with higher speeds.
- > The number of heavy trucks on the road.
- > Road conditions – Conditions, like a steep incline, can cause heavy laboring of vehicle engines.

Traffic noise levels can be reduced by distance, terrain, dense vegetation, natural and manmade obstacles.

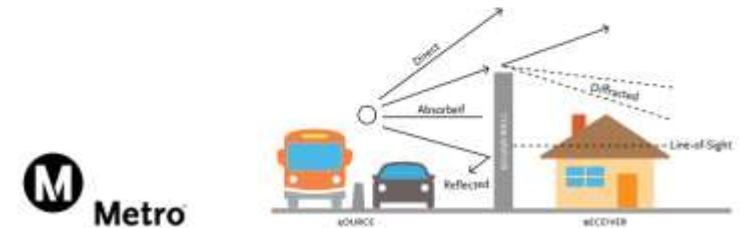
## What is a soundwall?

Soundwalls are noise barriers built between a noise generator and a sensitive receptor, such as a residential community, in order to reduce the level of noise transmitted from the generator to the receptor. Along a freeway, soundwalls are typically constructed of solid materials, such as concrete, brick and masonry block, and typically constructed between 8-16 feet in height.

## How do soundwalls work?

Soundwalls can be designed to absorb or reflect noise. The design is dependent on the topography and the location of homes or sensitive receptors within the area that qualifies for soundwalls. Soundwalls could be designed to reflect noise if the impact to the other side does not exceed the threshold for soundwall qualifications and/or there are no sensitive receptors. However, some soundwalls could be designed with absorptive materials when reflective soundwalls have noise impacts to the opposing side of the highway. Soundwalls must be tall enough and long enough to block the "line-of-sight" of the highway from the area that it is protecting.

A general rule, shown in the graphic below, is: "if you can see it, you can hear it." As such, soundwalls provide little benefit for homes on a hillside overlooking a highway.



# CONSTRUCTION UPDATE



## PROJECT WIDE CONSTRUCTION ACTIVITIES

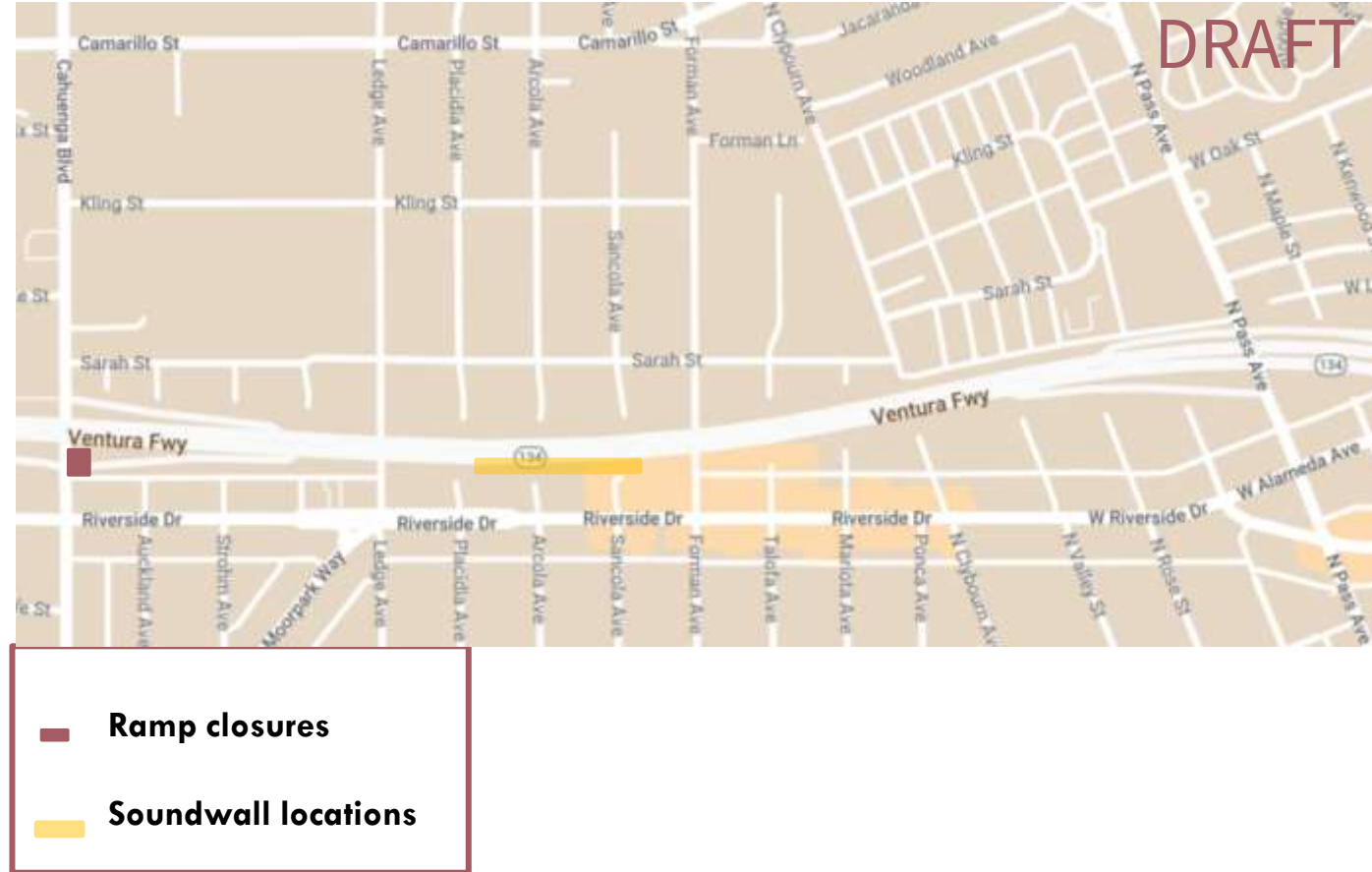
- Activities include:
  - Surveying and installation of construction area signage.
  - Traffic set up, setting of temporary k-rail and crash cushions, and realignment of temporary striping.
  - Clear, grub, demo, excavation, grading, tree removal/replacement, forming of rebar/foundations and walls, concrete placement, removal/installation of roadside signs.
  - Daytime work hours: 7am to 5pm during the week (hours may vary for each work area).
  - Night work: intermittent freeway ramp/shoulder closures during non-peak hours 9pm to 6am as needed.
    - Advanced notification and outreach to be conducted prior to any planned activity.



# CITY OF LOS ANGELES

## CONSTRUCTION ACTIVITIES

- Clearing, grubbing, demo operations. Material delivery/removal, grading, pile, rebar, and concrete placement.
- Intermittent ramp closures
  - During non-peak hours
  - Closure dates are subject to change
  - Installation of advanced warning and detour signage will be posted along the routes
- Day time work hours: 7am to 4pm
  - Ramp closures will be conducted at night between 9pm and 6am with noise mitigations in place



# CITY OF LOS ANGELES – TOLUCA LAKE



Metro

SOUNDWALL PACKAGE 10

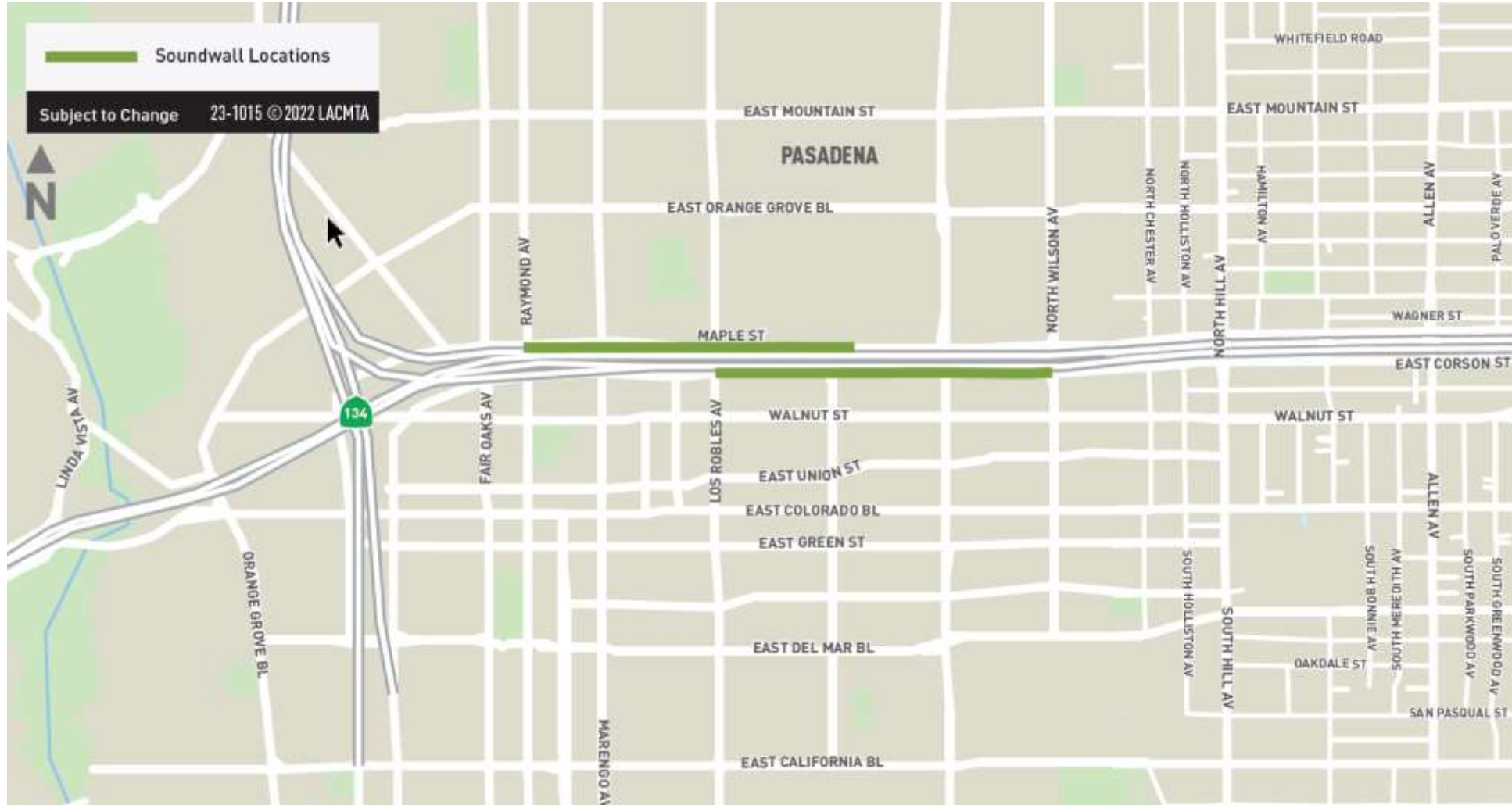


# CITY OF LOS ANGELES – TOLUCA LAKE



# CITY OF PASADENA

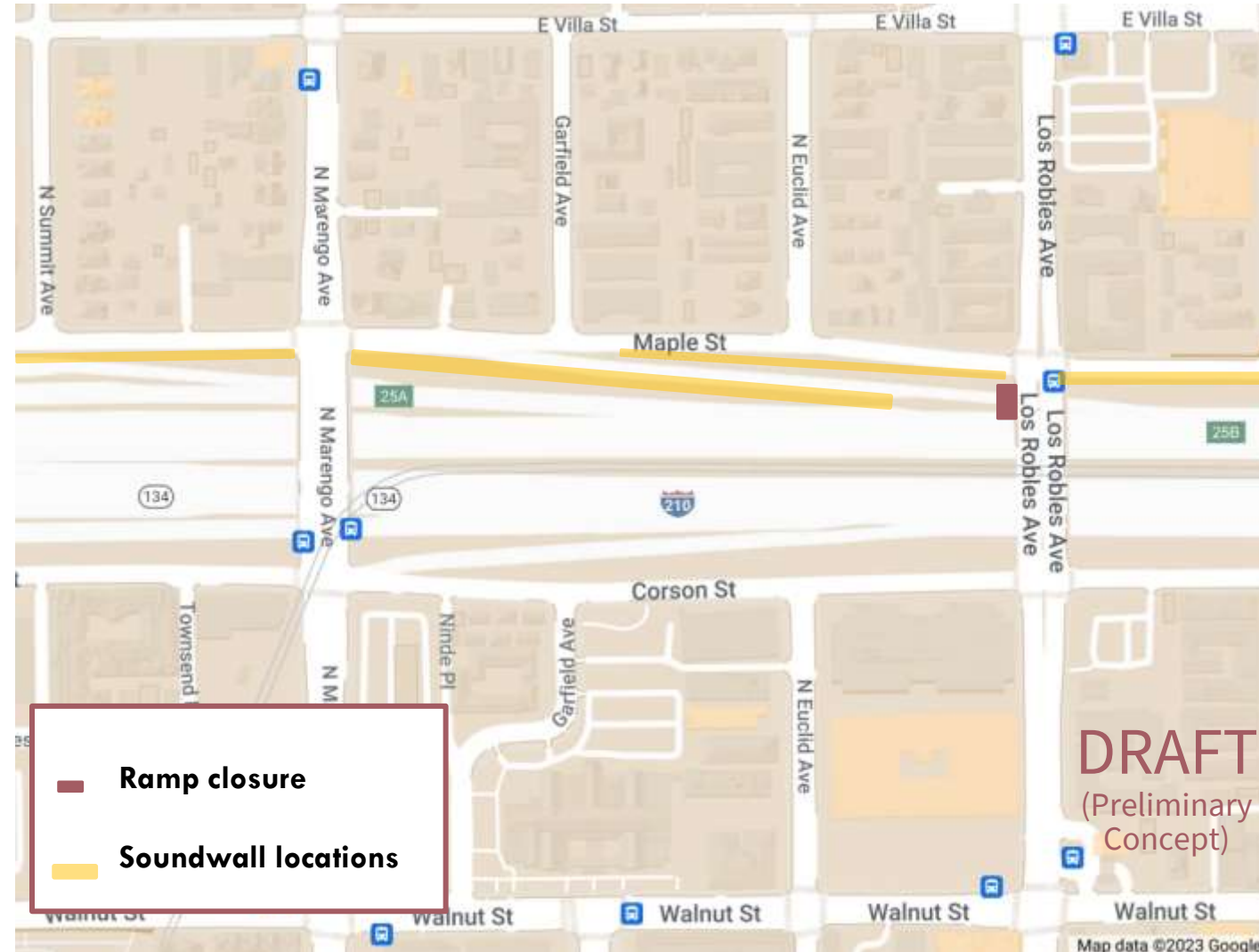
I-210 – Raymond Av to Wilson Av



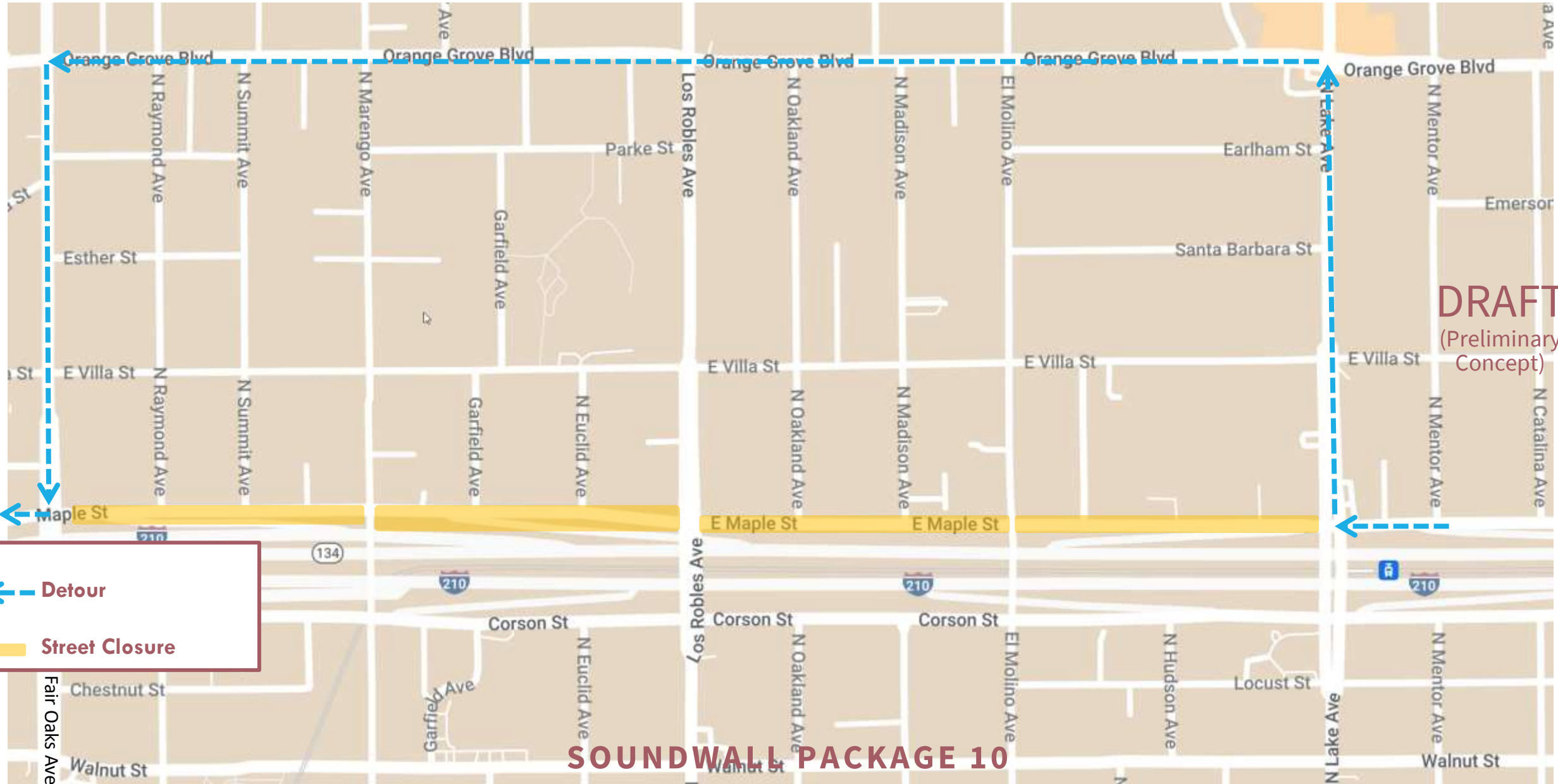
# CITY OF PASADENA

## CONSTRUCTION ACTIVITIES

- Traffic set up, temporary striping, clearing, grubbing and demo.
- This includes tree removal/replacement.
  - Setting of temporary k-rail and crash cushions to follow.
- Installation of advanced warning and detour signage will be posted along the route
- As early as Monday, **October 23, 2023**, Tuesday **October 24, 2023**, and Wednesday **October 25, 2023**.
  - Closure dates are subject to change
- Work hours for traffic set up: 9am to 3:30pm
  - Ramp closures during non-peak hours, 9am to 3pm.

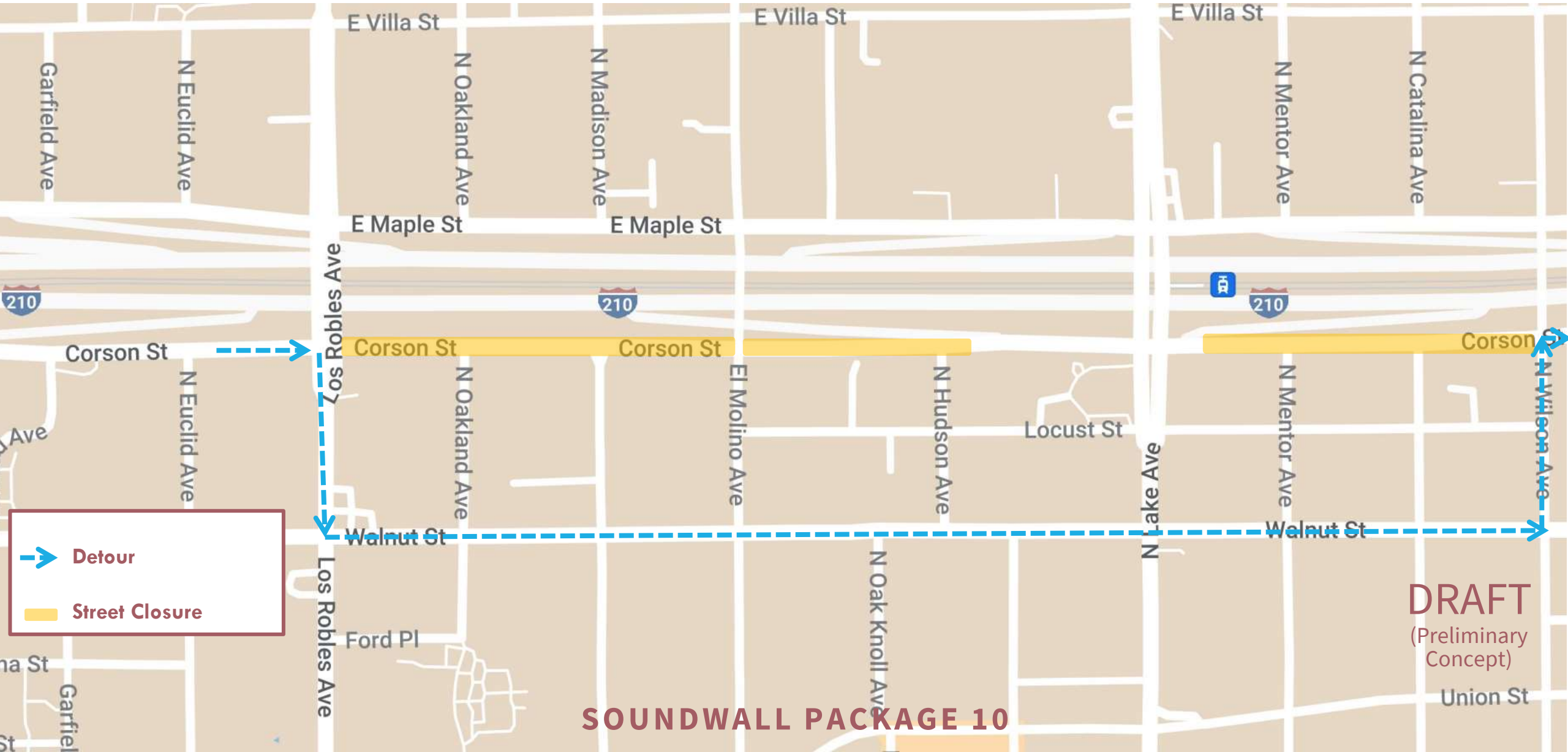


# TRAFFIC SET UP – MAPLE ST



DRAFT  
(Preliminary  
Concept)

# TRAFFIC SET UP – CORSON ST



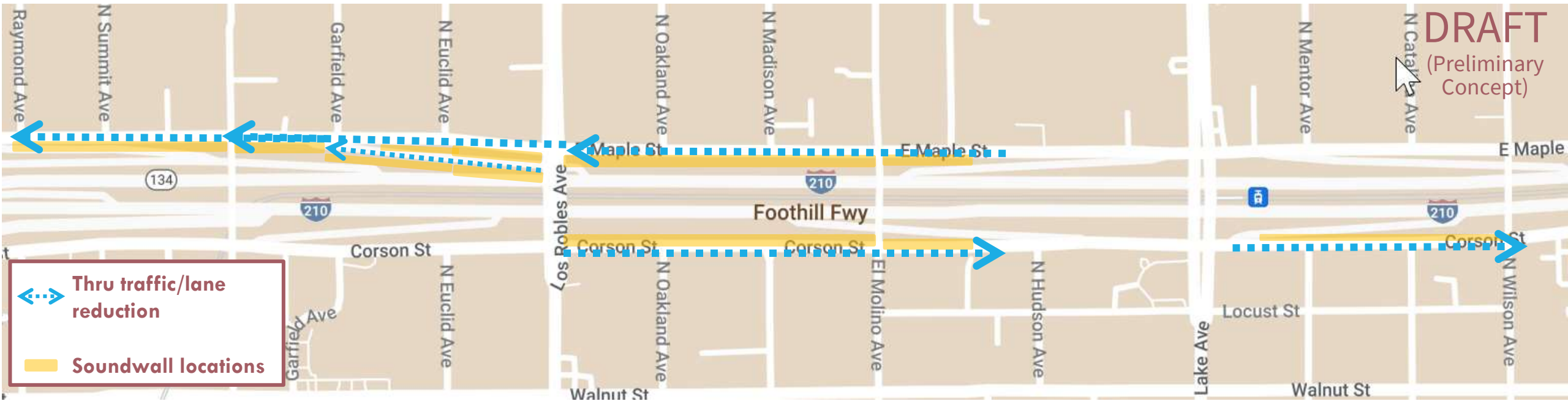
-  Detour
-  Street Closure

DRAFT  
(Preliminary  
Concept)

# IMPACTS TO CITY RIGHT OF WAY

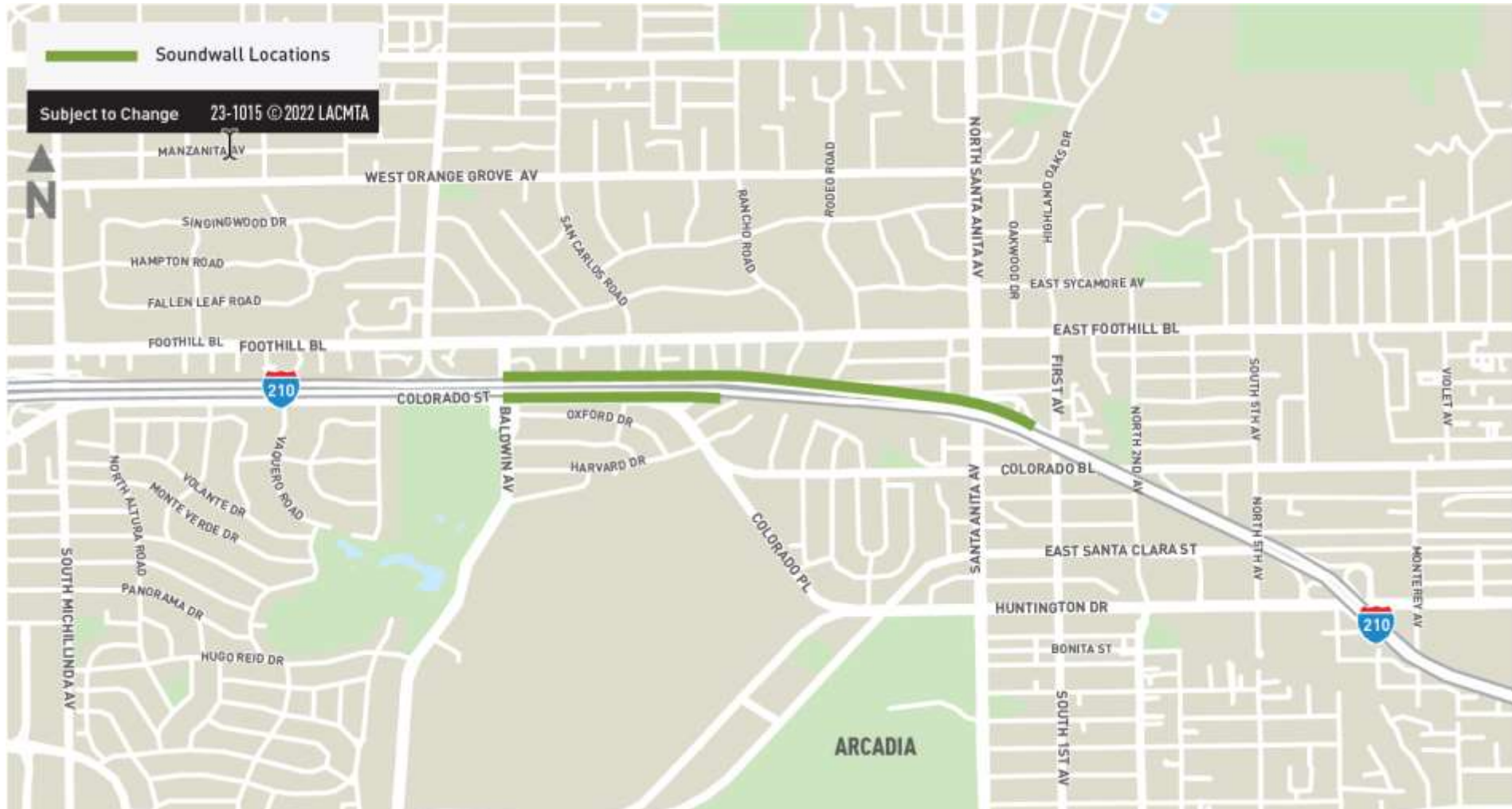
## CITY OF PASADENA – LOCAL TRAFFIC

- Set up will follow the reviewed and approved Traffic Handling Plans
- Once traffic lanes are reconfigured, thru traffic is maintained, work hours 7am to 7pm
- Lane reduction on Corson St and Maple St along I-210 using temporary k-rail
- Advance notification will be provided before k-rail placement



# CITY OF ARCADIA

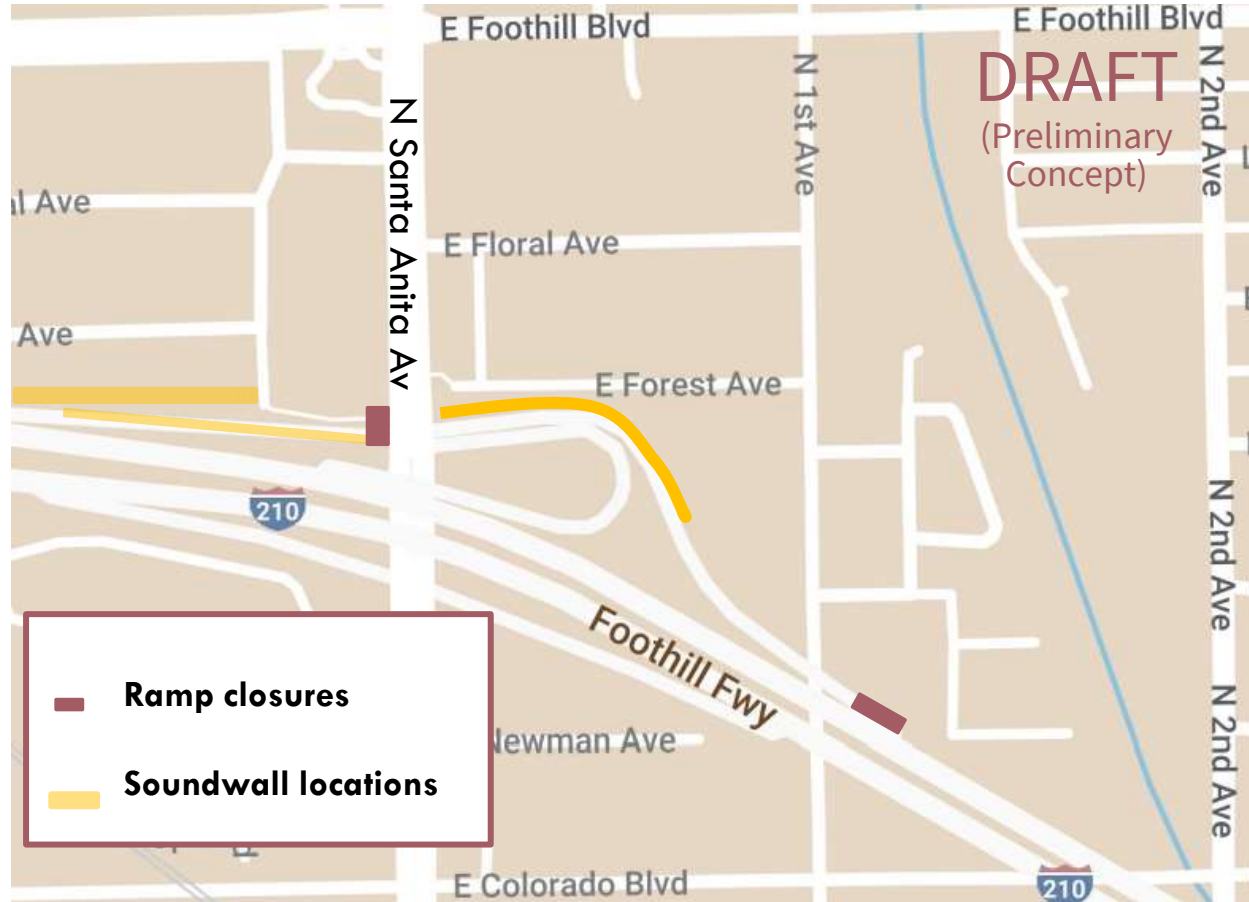
I-210 – Baldwin Av to Santa Anita Av



# CITY OF ARCADIA

## CONSTRUCTION ACTIVITIES

- Clearing, grubbing, demo operations. Material delivery/removal, grading, pile, rebar, and concrete placement.
- Intermittent ramp closures
  - During non-peak hours
  - Closure dates are subject to change
  - Installation of advanced warning and detour signage will be posted along the routes
- Work hours: 7am to 5pm
  - Ramp closures will be conducted at night with noise mitigations in place



# WB SANTA ANITA AV – OFF RAMP



# WB SANTA ANITA AV – OFF RAMP



# WB SANTA ANITA AV – ON RAMP



# WB SANTA ANITA AV – ON RAMP



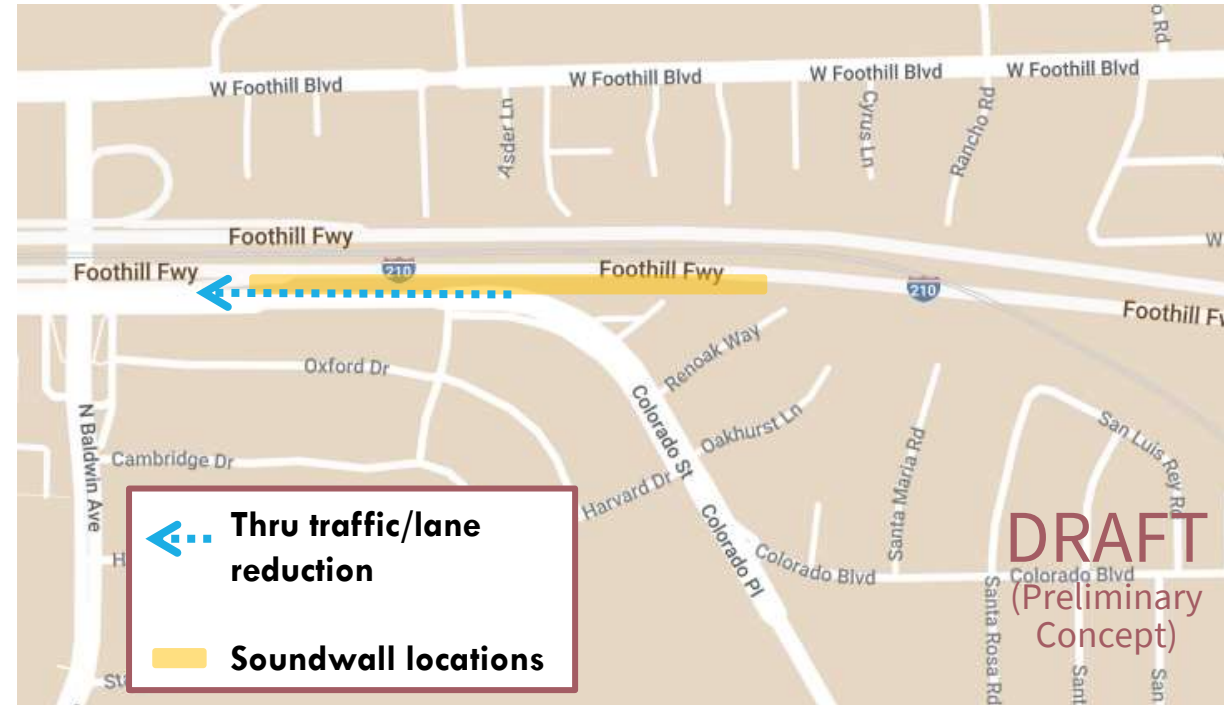
# WB SANTA ANITA AV – ON RAMP



# IMPACTS TO CITY RIGHT OF WAY

## CITY OF ARCADIA – LOCAL TRAFFIC

- Thru traffic maintained
- Partial lane reduction on Colorado Bl along I-210 using temporary k-rail
- Daytime work hours from 7am to 5pm.



# EB I-210 – GRADING



# EB I-210 – PILE DRILL



# EB I-210 – REBAR INSTALLATION



# EB I-210 – CONCRETE PLACEMENT



# COMMUNITY ENGAGEMENT

## PROJECT ACCESS & OUTREACH TOOLS

- Dedicated project website
- Project maps and fact sheets
- Helpline/email and direct staff available
- Construction notification (print and digital)
- Community briefings and meetings



[Home](#) > [Projects](#) > [Soundwall Package 10 Project](#)

## Soundwall Package 10 Project

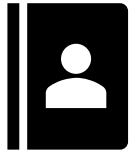
Soundwall Package 10 is part of the Metro Countywide Soundwall Program which is being funded by Federal and Measure R funds.



**SOUNDWALL PACKAGE 10**



# COMMUNITY ENGAGEMENT



**Tito Corona**

SGV Area Manager, Community Relations



**Project Helpline**

213.922.4008



**JC Montenegro**

Principal Community Relations Officer



SoundwallProgram@metro.net



Metro.net/soundwall10