



COMMUNITY MEETING

May 18, 2023

SOUNDWALL PACKAGE 10



AGENDA

1. Introductions
2. Project Overview
3. Soundwall Plan
4. Construction Update
5. Construction Relations/Public Outreach

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

- Christopher Smith, Project Manager
- Greg Hansen, Project Engineer

COUNTYWIDE SOUNDWALL PROGRAM

- SB 45 (1997): Transferred programming and funding responsibilities to Metro. Metro inherited a backlog of Caltrans soundwall projects.
- The soundwalls are prioritized and delivered in two phases
 - Phase I contains all soundwall projects along freeway segments where HOV lanes were constructed without sound walls.
 - Phase II contains all other soundwalls including sound walls identified prior to the adoption of Sound Wall Implementation Policy.

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
- For more on Highway Soundwalls please visit:
 - 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 230 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.

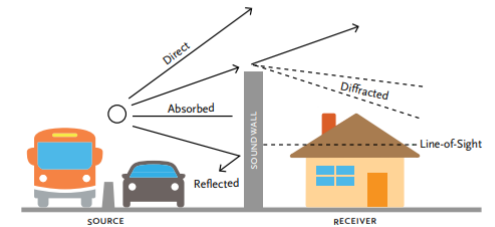
What is a soundwall?

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?

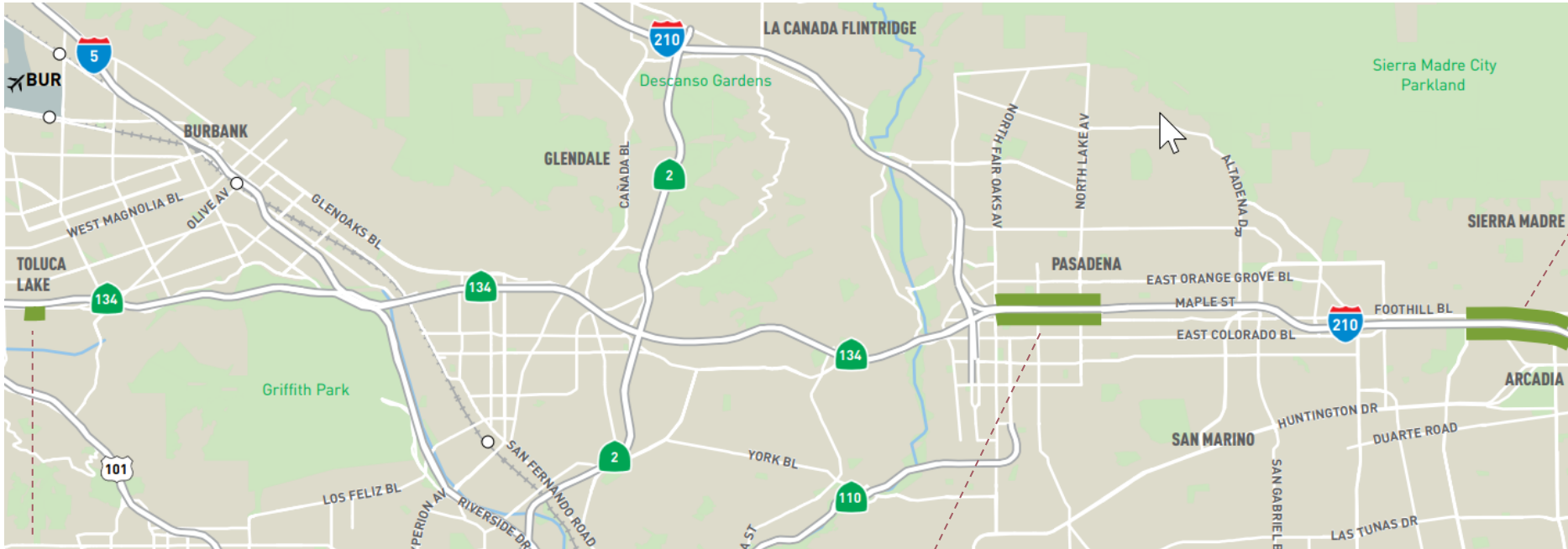
Soundwalls can be designed to absorb or reflect noise. The design is dependent on the topography and the location of homes or sensitive receptors within the area that qualifies for soundwalls. Soundwalls could be designed to reflect noise if the impact to the other side does not exceed the threshold 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.



PROJECT OVERVIEW

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



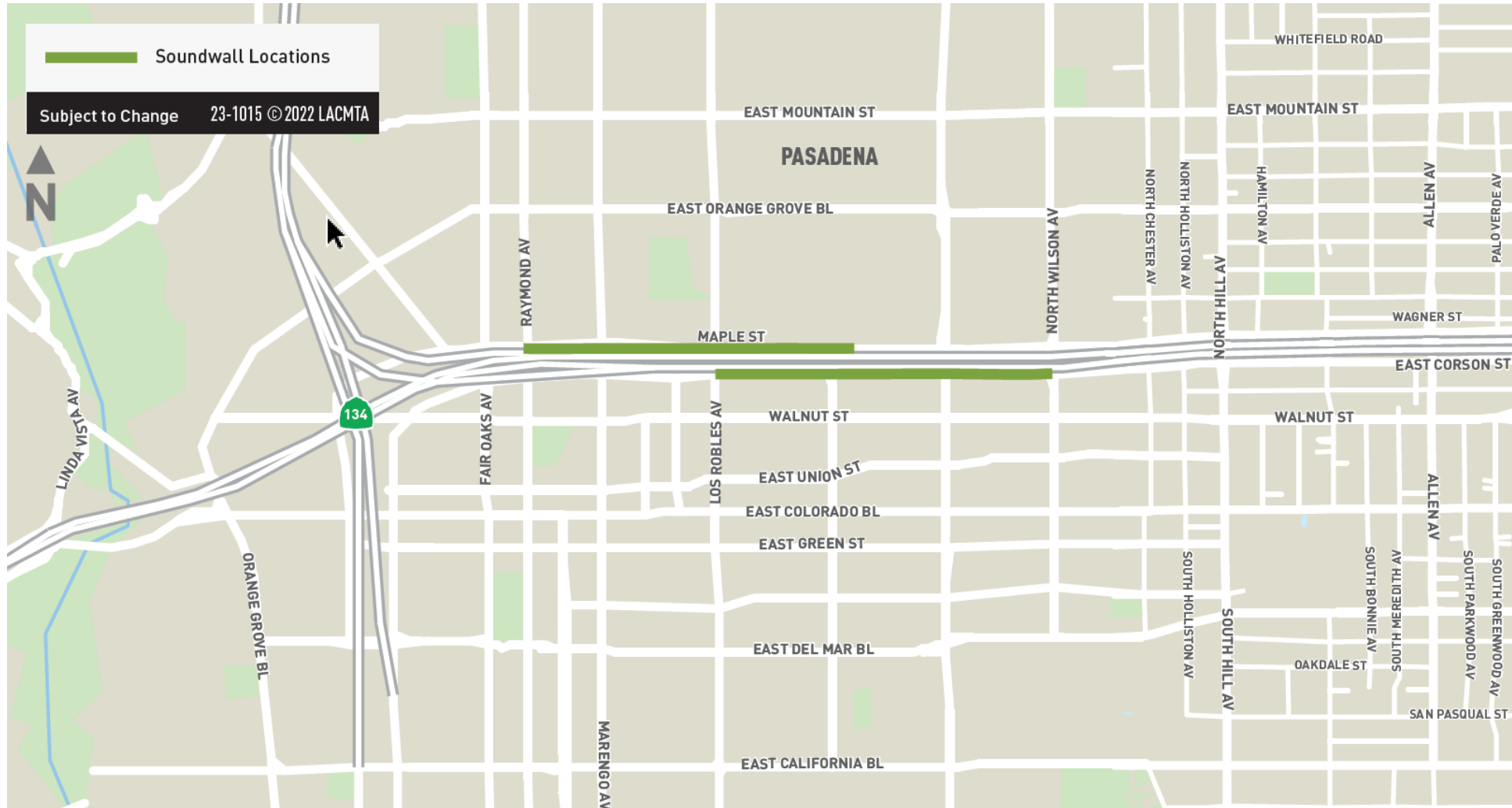
1. Constructing a 620-foot section of wall on the SR-134 from 0.08 Mile east of Ledge Ave undercrossing to 0.02 Mile west of Forman Ave undercrossing

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

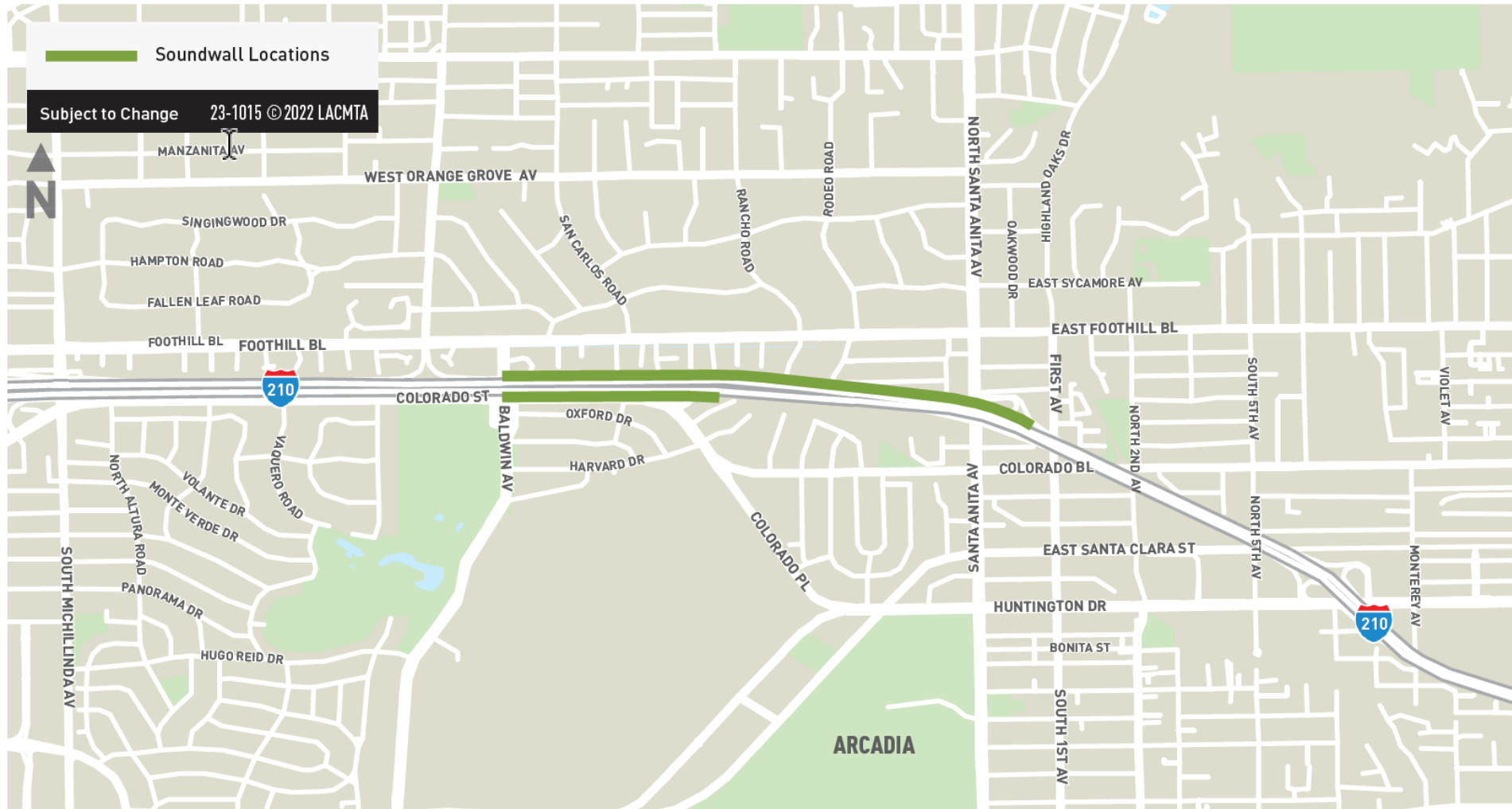
PROJECT OVERVIEW

I-210 – City of Pasadena

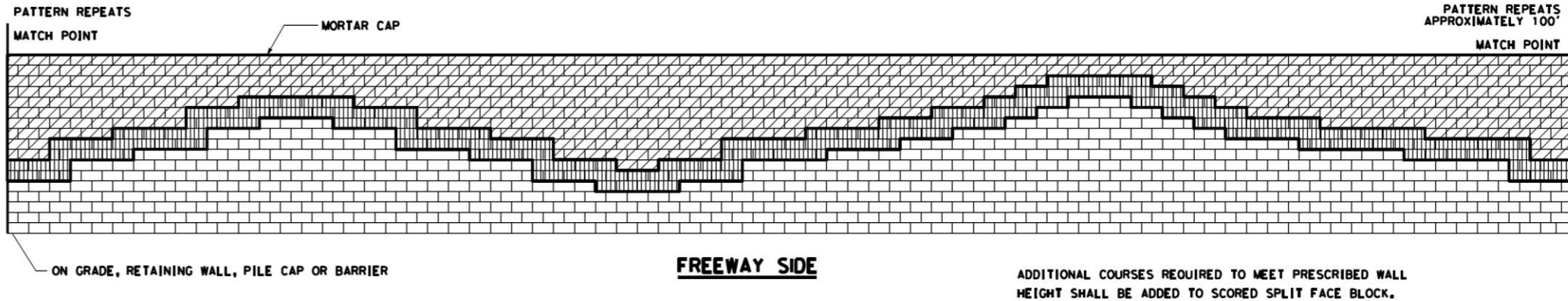


PROJECT OVERVIEW

I-210 – City of Arcadia



SOUNDWALL PLAN



WALL PATTERN FOR ALL SOUNDWALLS ON ROUTE 210

The construction type and soundwall details will follow Caltrans standards for ease of maintenance. Design will be compatible with adjacent soundwalls.

AESTHETIC SOUNDWALL DETAILS
NO SCALE **SW-1**

CONSTRUCTION UPDATE



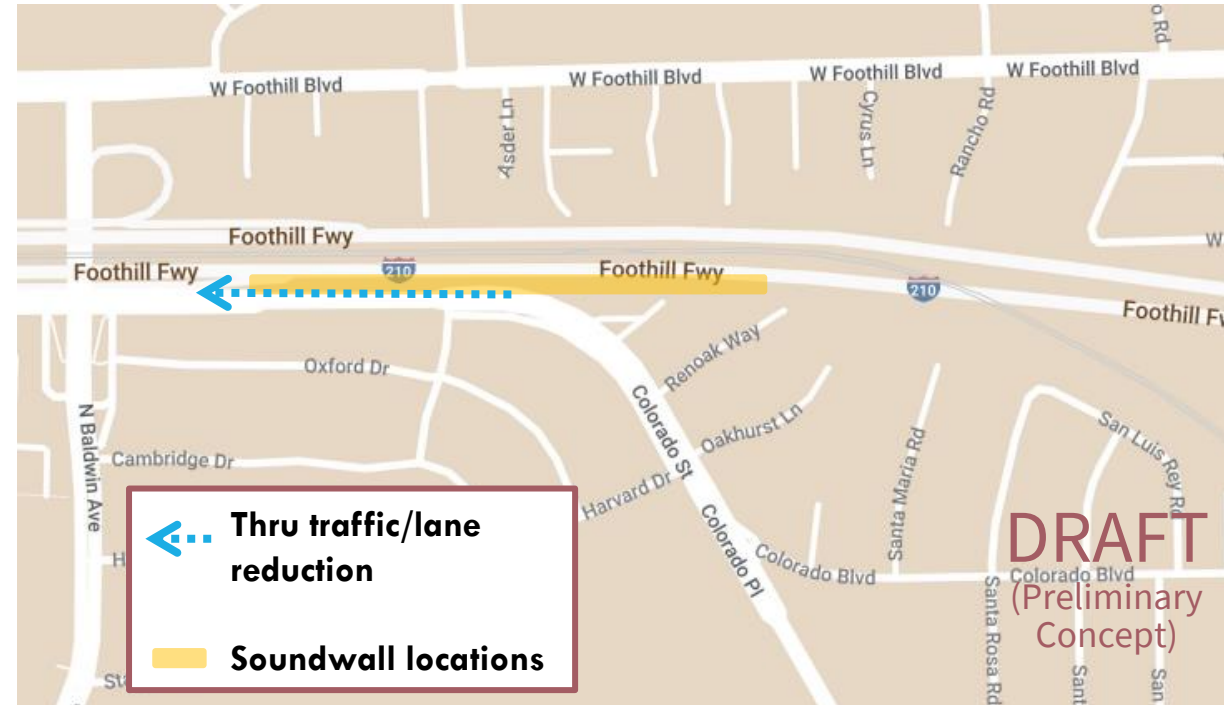
PROJECT WIDE CONSTRUCTION ACTIVITIES

- Initial construction activities will be very similar across all project areas.
- Activities include: surveying and installation of construction area signage.
 - Anticipated May 22, 2023
- Next will be traffic set up, setting of temporary k-rail and crash cushions, and realignment of temporary striping.
 - As early as May 31, 2023
- Future activities include ramp closures for traffic/work zone set up, clearing and grubbing, soundwall construction, tree removal/relocation with irrigation.
 - Advanced notification and outreach to be conducted prior to any planned activity.

IMPACTS TO CITY RIGHT OF WAY

CITY OF ARCADIA – LOCAL TRAFFIC

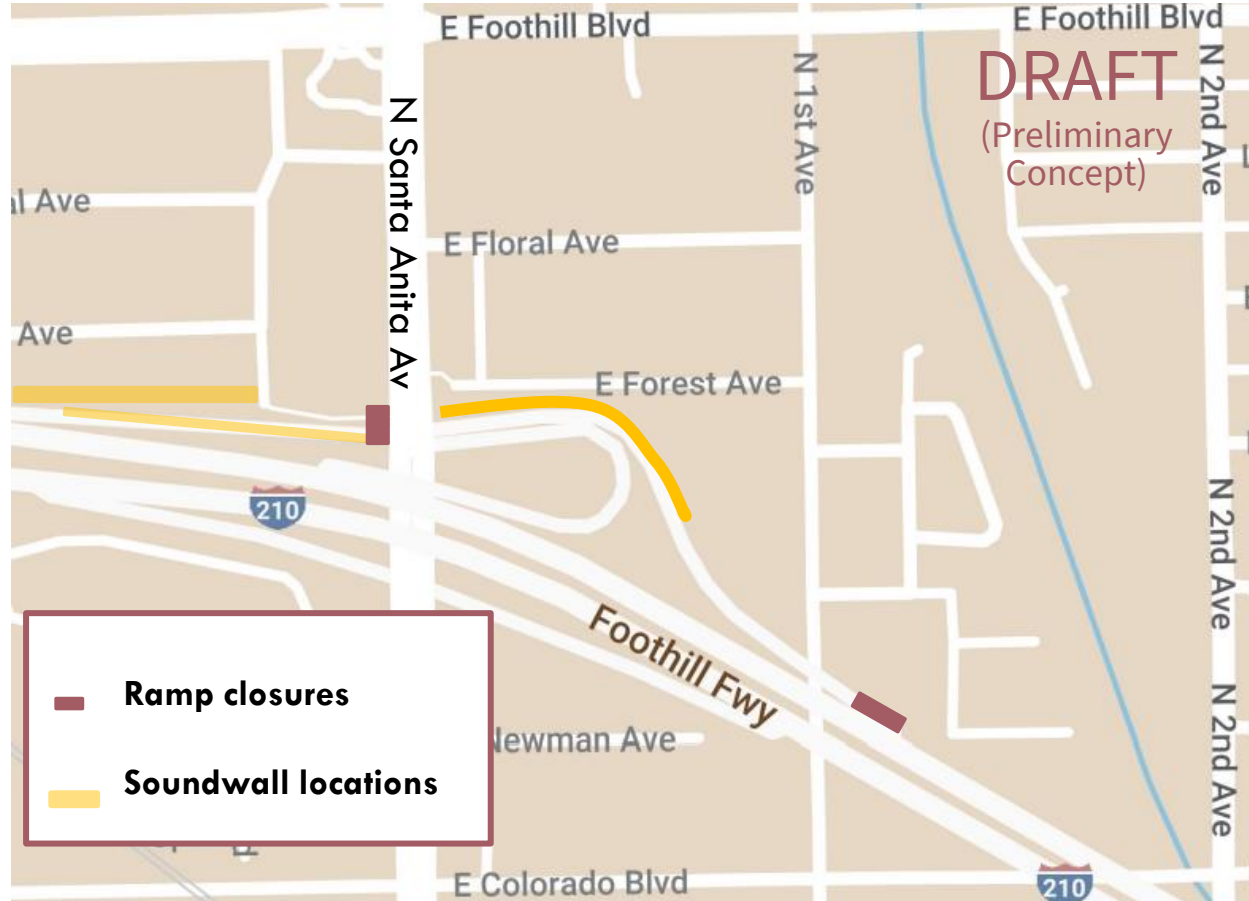
- Set up will follow the reviewed and approved Traffic Handling Plans
- Thru traffic maintained
- Partial lane reduction on Colorado Bl along I-210 using temporary k-rail
- Advance notification will be provided before k-rail placement



CITY OF ARCADIA

CONSTRUCTION ACTIVITIES

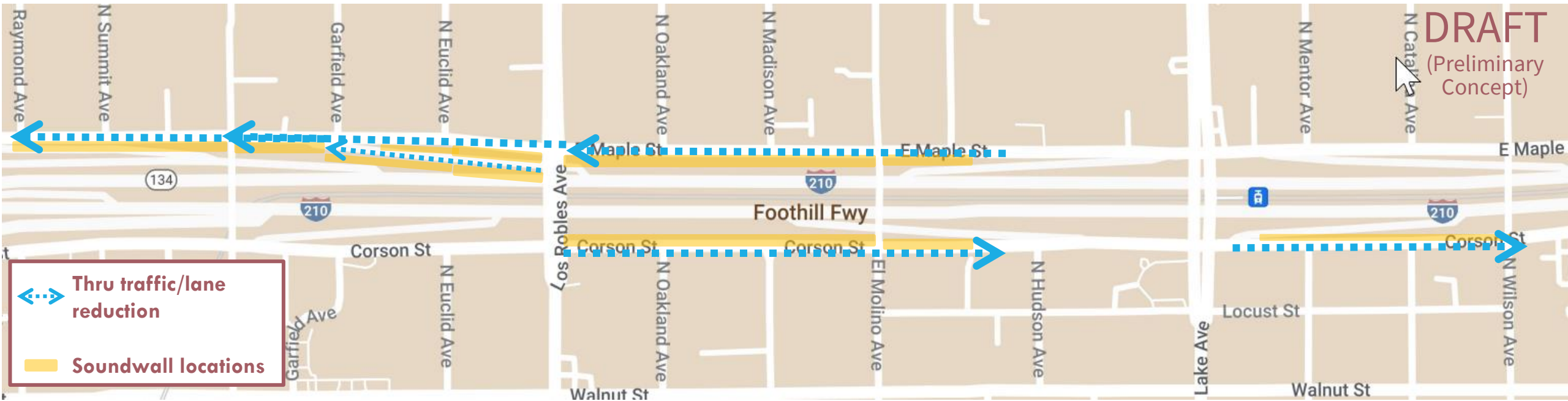
- Traffic set up, setting of temporary k-rail and crash cushions, temporary striping, clearing, and demo
- Installation of advanced warning and detour signage will be posted along the routes
- As early as May 31, 2023
 - Closure dates are subject to change
- Work hours: 7am to 4pm
 - Ramp closures will be conducted at night with noise mitigations in place



IMPACTS TO CITY RIGHT OF WAY

CITY OF PASADENA – LOCAL TRAFFIC

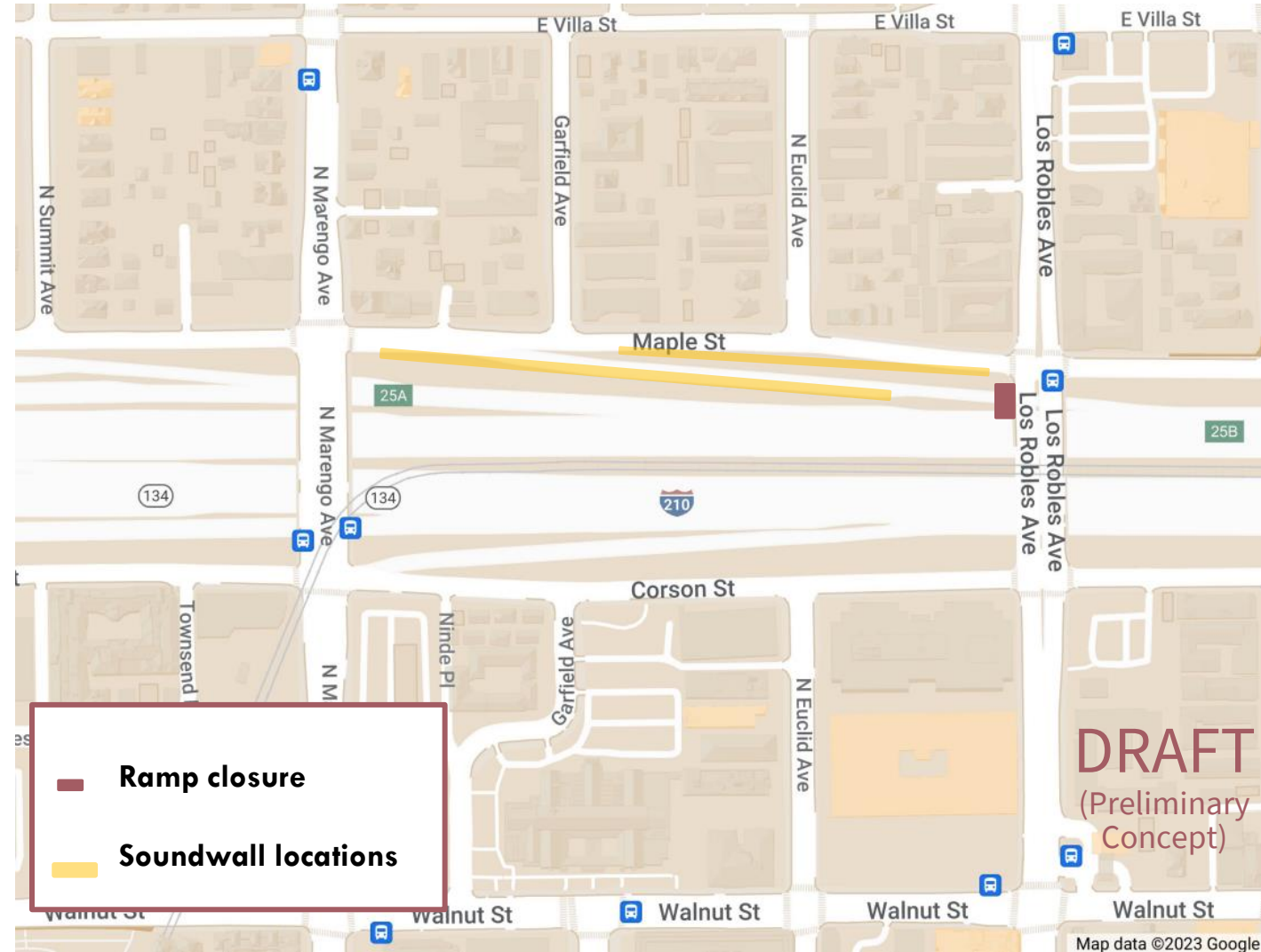
- Set up will follow the reviewed and approved Traffic Handling Plans
- Thru traffic maintained
- Lane reduction on Corson St and Maple St along I-210 using temporary k-rail
- Advance notification will be provided before k-rail placement



CITY OF PASADENA

CONSTRUCTION ACTIVITIES

- Traffic set up, setting of temporary k-rail and crash cushions, temporary striping, clearing, and demo
- Installation of advanced warning and detour signage will be posted along the route
- As early as June 5, 2023
 - Closure dates are subject to change
- Work hours: 7am to 4pm
 - Ramp closures will be conducted at night with noise mitigations in place



CONSTRUCTION RELATIONS/PUBLIC OUTREACH

COMMUNICATION

- Serve as the public's first line of communication
- Communication with residents and businesses
- Communicate construction progress, activities and closures via email and website updates
- Provide presentations and briefings to inform and update City Councils, Neighborhood Councils, and community organizations about construction activities

COORDINATION

- Work closely with Metro staff, contractor, Caltrans and City partner agencies to keep our community stakeholders informed of construction activities and to address questions and concerns

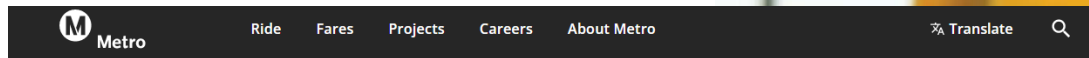
MITIGATION

- Make efforts to preemptively address construction impacts (noise, dust, access, safety, and visibility concerns)

CONSTRUCTION RELATIONS/PUBLIC OUTREACH

PROJECT ACCESS & OUTREACH TOOLS

- Dedicated project website with the latest project information
- Project maps, fact sheets
- Helpline/email and direct staff available
- Stakeholder email list
- Construction notification (print and digital)
- Community briefings
- Public meetings



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

Soundwall Package 10 Project

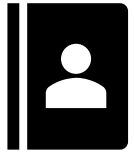
Soundwall Package 10 is part of the Metro Countywide Soundwall Program which is being funded by Federal and Measure R funds.



SOUNDWALL PACKAGE 10



CONSTRUCTION RELATIONS/PUBLIC OUTREACH



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SoundwallProgram@metro.net



Metro.net/soundwall10