

Audible Signals Phase 2 Pedestrian Crossing Enhancements 2025

A dark blue silhouette of a city skyline is positioned at the bottom of the slide. It includes various building shapes and two prominent bridge towers with cross-bracing on the right side. A thin yellow vertical line is located on the left side of the slide, partially overlapping the text area.

Presented to
Disabilities Advisory Committee
March 5, 2025

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Department of Public Works

Audible Signals Phase 2

Fourteen intersections throughout the city will be modified to either add APS pushbuttons, reconstruct curb ramps, or both. These locations were selected based on requests from citizens with disabilities:

- Natomas Boulevard and Del Paso Road
- Truxel Boulevard and Gateway Park Boulevard
- N. Freeway Boulevard and Gateway Park Boulevard
- Ethan Way and Alta Arden Expressway
- 4th Street and I Street
- Sutterville Road and Land Park Drive
- Sutterville Road and Crocker Drive
- 16th Street and K Street
- Alhambra Boulevard and Capitol Avenue
- Alhambra Boulevard and N Street
- Alhambra Boulevard and Q Street
- Alhambra Boulevard and S Street
- 24th Street and Edna Street
- 43rd Avenue and Gloria Drive

Audible Signals Phase 2 – Fourteen Locations

District 1 - Councilmember Kaplan

- Natomas Boulevard and Del Paso Road
- Truxel Boulevard and Gateway Park Boulevard
- N. Freeway Boulevard and Gateway Park Boulevard

District 2 - Councilmember Dickinson

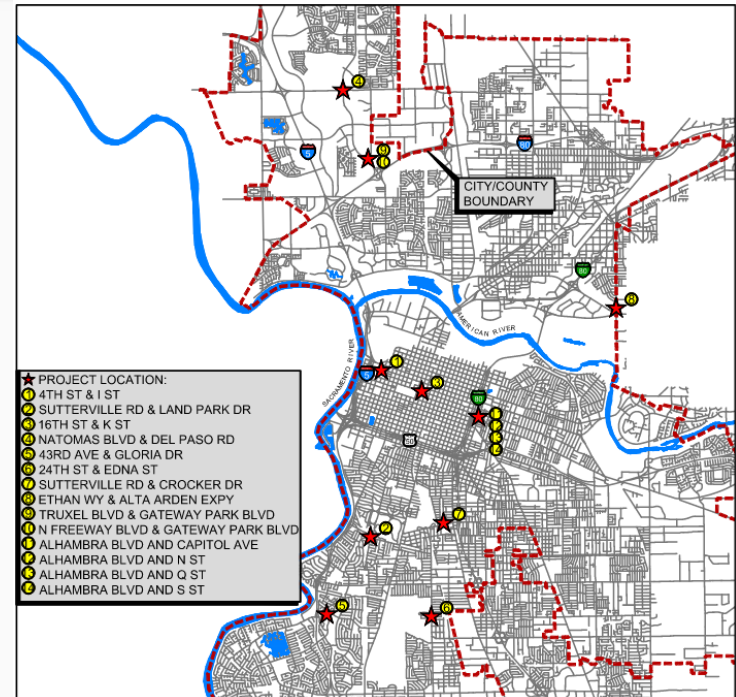
- Ethan Way and Alta Arden Expressway

District 4 - Councilmember Pluckebaum

- 4th Street and I Street
- Sutterville Road and Land Park Drive
- Sutterville Road and Crocker Drive
- 16th Street and K Street
- Alhambra Boulevard and Capitol Avenue
- Alhambra Boulevard and N Street
- Alhambra Boulevard and Q Street
- Alhambra Boulevard and S Street

District 5 - Councilmember Maple

- 24th Street and Edna Street
- 43rd Avenue and Gloria Drive



Audible Signals Phase 2

Audible Pedestrian System/Signal (APS)

Audible pedestrian pushbutton signals provide audible and/or vibrotactile information to let pedestrians who are visually impaired know when the WALK interval begins.

Features:

- New Audible Pedestrian Pushbuttons will be placed at each corner of the intersection.
- iDetect – Touchless actuation. Detects movement within 1” to 4” (i.e. triggered with hand wave).
- Custom voice message/braille detail for each crossing.



Existing Conditions



Natomas Boulevard and Del Paso Road
(Southeast Corner)

Proposed: New APS and Reconstruct Curb Ramp



N. Freeway Boulevard and Gateway Park Boulevard
(Northeast Corner)

Proposed: New APS

Audible Signals Phase 2

Example: APS Installed at 6th St. and P St.

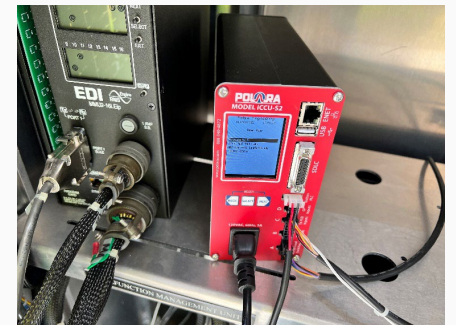
Traffic signal cabinet with
new APS
control unit



New APS
pushbutton



New APS
control unit
in cabinet



Proposed Schedule and Budget

Details	Audible Signals Phase 2
Construction Contract Award at City Council	Fall 2025
Begin Construction	Spring 2026
End Construction	December 2026
Total Project Cost:	\$1,600,000

Pedestrian Crossing Enhancements 2025

Four unsignalized intersections throughout the city will be modified to add Rectangular Rapid Flashing Beacons (RRFBs). These locations were selected based on the City Pedestrian Crossing Guidelines, pedestrian usage data, and comments from the public.

District 2 - Councilmember Dickinson

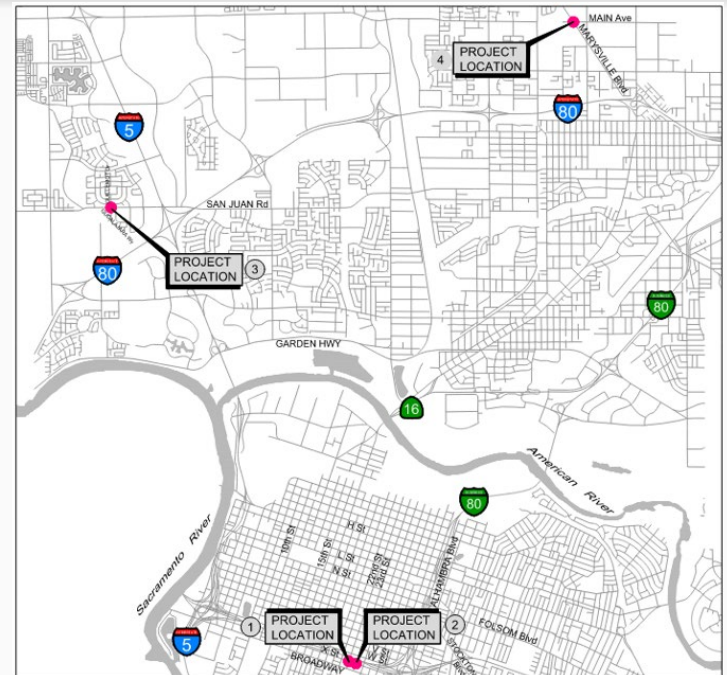
- Marysville Boulevard and Main Avenue

District 3 - Councilmember Talamantes

- San Juan Road and Guillemot Drive

District 4 - Councilmember Pluckebaum

- X Street and 22nd Street
- X Street and 23rd Street



Pedestrian Crossing Enhancements 2025

Rectangular Rapid Flashing Beacons (RRFBs)

From the FHWA Office of Safety:

To enhance pedestrian conspicuity and increase driver awareness at uncontrolled, marked crosswalks, transportation agencies can install a[n] RRFB to accompany a pedestrian warning sign. RRFBs consist of two, rectangular-shaped yellow indications, each with a[n] LED light source. RRFBs flash with an alternating high frequency when activated to enhance conspicuity of pedestrians at the crossing to drivers.



Pedestrian Crossing Enhancements 2025

RRFBs will be installed with Audible Information Devices (AID) at each end of crossing

Features:

- iDetect – Touchless actuation. Detects movement within 1” to 4” (i.e. triggered with hand wave).
- Audible locator tone.
- Standard voice message for each crossing.

*Polara is the
trusted industry
leader in Accessible
Pedestrian Signals.*



iNX
Next Generation
of Crosswalk
Accessibility

Designed for Rectangular Rapid
Flashing Beacons (RRFB) & other
approved Flashing Pedestrian
Crosswalk Systems.

Existing Conditions



Natomas Boulevard and Del Paso Road
(Southeast Corner)

Proposed: New APS and Reconstruct Curb Ramp



N. Freeway Boulevard and Gateway Park Boulevard
(Northeast Corner)

Proposed: New APS

Pedestrian Crossing Enhancements 2025

Example: RRFB Installed at J Street and 17th Street

New signage, flashing beacons, and pushbuttons

Each installation requires controller box, pole mounted either above signage or behind signage (as shown in example)



Proposed Schedule and Budget

Details	Pedestrian Crossing Enhancements 2025
Construction Contract Award at City Council	Fall 2025
Begin Construction	Spring 2026
End Construction	December 2026
Total Project Cost:	\$1,260,000

Questions?

Contact:

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City of
SACRAMENTO

