

# **Faregate Retrofit (Phase 2)**

## **Upgrade Existing Gated Stations With Taller Gates**

**Operations, Safety, and Customer Experience Committee**

February 20, 2025



**Metro®**

File ID 2024-1126

# Recommendation

- A. ESTABLISH a Life-of-Project (LOP) budget for an amount not-to-exceed \$15.3 million for the implementation of taller faregates at 11 additional stations to provide safety, security, and enhance access control;
- B. AMEND the FY25 budget to add three (3) Non-Contract Full-Time Equivalent (FTE) positions to manage the gating analyses and implementation of taller gates across the 11 additional stations and expansion of taller gates across the Metro Rail system and new stations from new rail lines and transition into operations and maintenance;
- C. AUTHORIZE the Chief Executive Officer, or their designee, to negotiate and execute all necessary agreements, contracts, and contract modifications associated with the increased LOP budget.

# Context

- The Board approved **Motion 34.1 in April 2024** directed staff to research faregate hardening at heavy and light rail stations.
- Research suggests taller faregates may improve feelings of safety and security.
- BART completed 18 stations and are installing these faregates at 15 more stations.
- WMATA have installed taller faregates at all 98 stations, and WMATA has reported an 82% reduction in fare evasion.
- **Original Pilot Plan (from July 2024 Motion Response):** Install taller faregates at LAX/Metro Transit Center Station and two other locations.
- **Updated Pilot Plan:** Retrofit ten existing gated stations included in Phase 1. These stations were selected based on collaboration between TAP, SSLE, and Station Experience, with LA Police Department and LA Sheriff's Department.

# Background: Phase 1 - STraffic Faregates

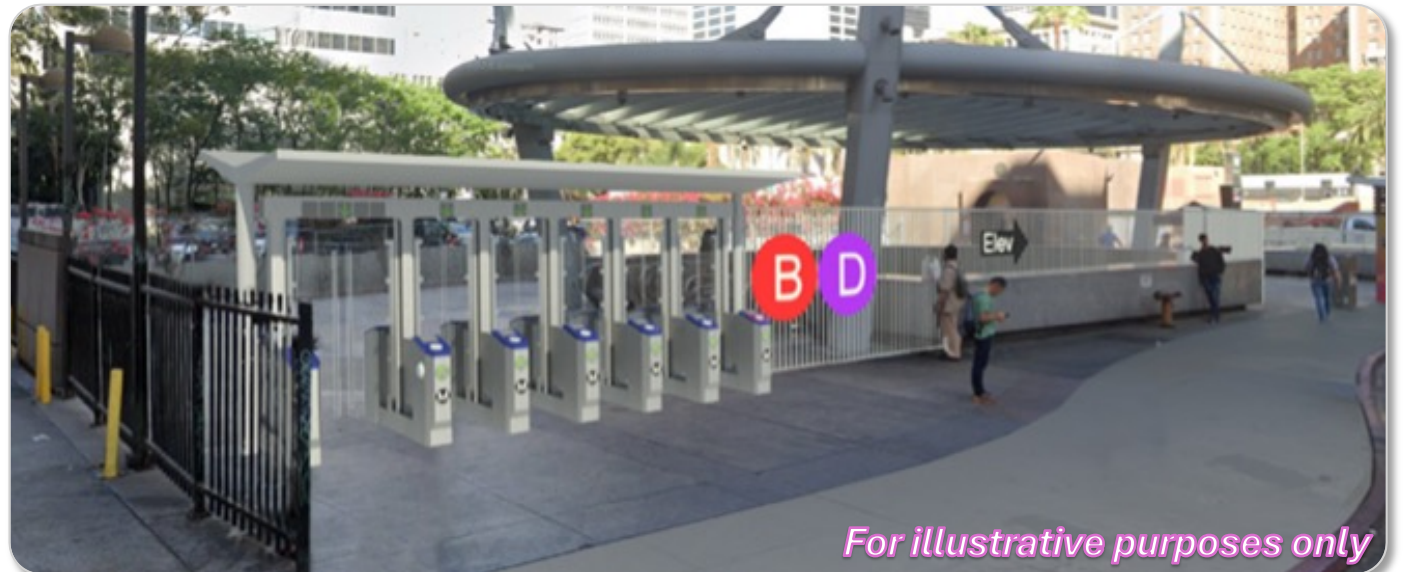
Installations expected to start

***March 2025***



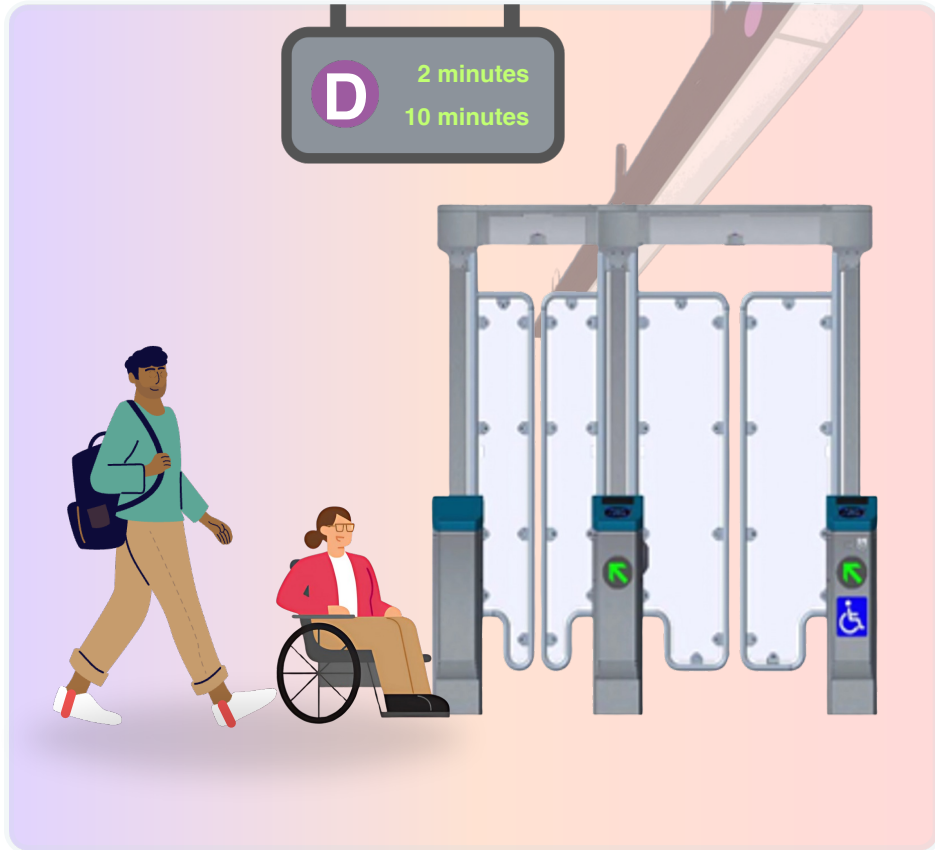
## Existing Stations for STraffic Faregates

- Lake
- Firestone
- Pershing Square
- 7th Street/Metro Center
- Westlake MacArthur Park
- Wilshire/Vermont
- Vermont/Santa Monica
- Hollywood/Western
- North Hollywood
- Willowbrook/Rosa Parks



*For illustrative purposes only*

# Improve Safety with Taller Faregates



## Precise motion sensors

- Improves safety and prevents “tailgating” fare evasion
- Includes AI camera for accurate detection
- More sensors than on current gates for more accurate reporting



## Electromechanical locks

- Difficult to force through
- Will be integrated to allow quick unlocking for special events or in emergencies



## ADA-compliant

- Sensor technology to ensure “equitable accessibility” for customers using wheelchairs
- Paddle-style doors improve accessibility for customers with bicycles, luggage, or other bulky items



## Advanced security solutions via APIs\*

- Real-time assistance: Instant reporting allowing staff to provide on-the-spot customer support at faregates
- Can potentially integrate with third-party security solutions

\* API = **Application Programming Interface** allowing communication and integration with third-party services



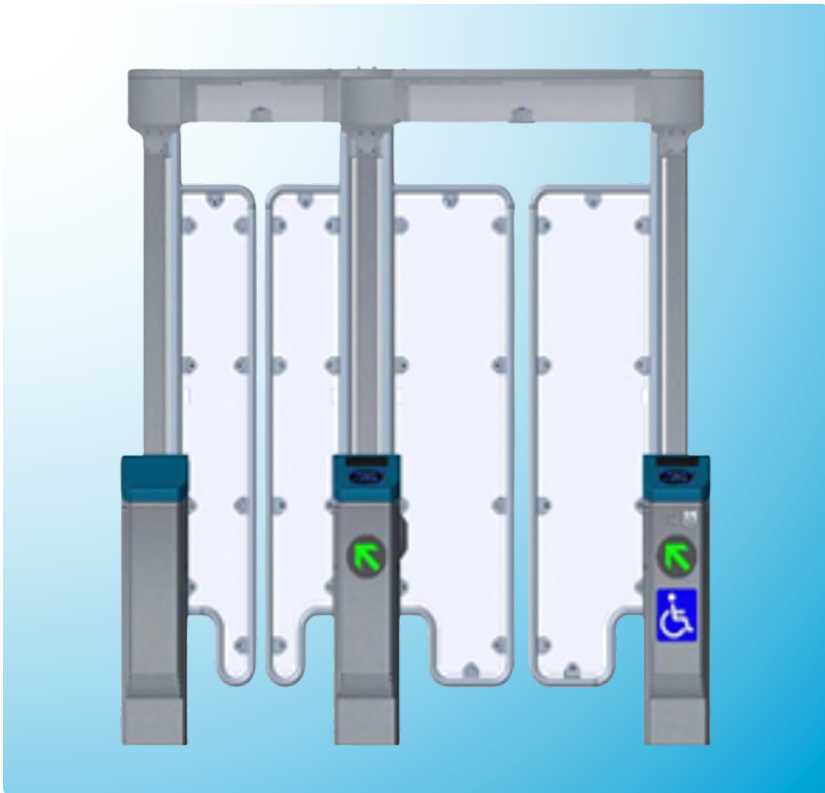
# Emergency Swing Gate Hardening

- Emergency swing gates (ESG) at **Westlake/MacArthur Park Station** raised to six feet with added perforated metal panels.
- The enhancement is meant to deter reaching the panic bar for unauthorized access.
- Phase 2 Retrofit: Requirement includes height modifications to the ESG to prevent reach-arounds.
- The picket fence across the entire fare barrier will also be raised to six feet for uniformity and deter jumping over.



# Discussion: Phase 2 – RFP for Taller Faregates

Phase 2 to tentatively begin as early as ***October 2025***



## Stations for Phase 2 Retrofit

- Aviation/LAX
- Vermont/Athens
- Del Amo
- Civic Center
- Compton
- Harbor Freeway
- Mariachi Plaza
- Slauson
- Expo/LaBrea
- Avalon
- Long Beach Blvd



## Phase 2 Cost Estimate

\$15.3 million



# Next Steps

- Following Board approval, staff will initiate a competitive procurement process to select a faregate vendor for the implementation of the Phase 2 retrofit at existing gated stations.
- Phase 2 installation is scheduled to begin in October 2025, with a targeted completion as early as December 2025.
- Staff will provide updates and report progress periodically.

| <b><u>Activity</u></b>           | <b><u>Duration</u></b> | <b><u>Timeline</u></b>   |
|----------------------------------|------------------------|--------------------------|
| Solicitation                     | 3 months               | March to May 2025        |
| Design, development, and testing | 4 months               | June to September 2025   |
| Manufacturing                    | 4 months               | August to November 2025  |
| Installation                     | 2 months               | October to December 2025 |



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