Next Generation Fare Gates Update

September 14, 2023 | BART Board of Directors Meeting
Highlights

- The District’s #1 Project
- Accomplishments to Date
- Next Steps
- Timeline
- Questions
The District’s #1 Project

Next Generation Fare Gates Project

- Gate replacements for 50 stations + 5 future stations
  - West Oakland prototypes in December 2023
- Contract Award: April 2023
- Notice to Proceed: May 2023
- Day One:
  - Developed Strategies for Success
  - On-Site Vendor Workspace
  - Alerted Stakeholders
Accomplishments to Date

- Preliminary Design Review of Gate
- Procurement of Materials & Services
- Design Evolution
- Prototype Station Implementation Plan
Preliminary Design Review of Gate

- Accelerated schedule
  5-day review cycle versus 30 days for submittals
- 54 submittals
- 16 requests for information
- Interdisciplinary review team
- More than 50 reviewers
Design Evolution

✓ Improved Door Criteria

✓ Prototype Door Options

Different Barrier Material

Vendor Proposed: Accessible Door Frameless Laminated Glass Panel

Option 1: Accessible Door Polycarbonate Panel

Option 2: Stainless Steel Frame with Perforated Metal Panel

Option 3: Stainless Steel Frame with Polycarbonate Panel

Door Criteria Improvements

Barrier Gap

Constant Pressure
Climb-Over Deterrents

Bridge

Triangular fins added
Procurement of Materials and Services

**Critical Equipment & Components**
- Communications Switch
- Gate Power Transformer

**Electrical & Comms Construction**
- Contracted Work Crews

- ✔ Accelerated Schedule
- ✔ Dedicated District Staff
- ✔ Long Lead Time on Materials Ordered
- ✔ Commissioning Support
West Oakland Deployment – Testing

Standard Delivery Process

Fabrication -> Lab -> Test

Fabrication

West Oakland Station Deployment -> Test

Accelerated Delivery Process

Fabrication -> Lab -> Test

West Oakland Station Deployment -> Test
West Oakland – Implementation

- Minimize impact to riders
- 15+ combined field and site visits to West Oakland alone
- Multiple alternatives and contingency plans
- More than 12 BART departments directly involved
West Oakland – Deployment Site Logistics

Accelerated Schedule

Existing gates which will be out of service

Temporary accessible entrance/exit gates during construction
Integration Challenges

- Monitoring
- Controls
- Complex Systems Integration
Next Steps

- Final Design
- Review of Gate
- Procurement of Materials
- Prototype Delivery of Gates to West Oakland
- Installation Testing
- Site Implementation Plan
Timeline

- **2023**
  - Issued Notice to Proceed
  - Install Prototype at West Oakland

- **2024**
  - Door Style Decision
  - Begin deployment of first 8 stations
  - Begin deployment of remaining stations

- **2025**
  - Completion of first 8 stations
  - Districtwide Replacement Complete

Budget = ~ $90M
Secured Funding = ~ $83.7M
Thank you!