

# CALTRAIN CAPITAL IMPROVEMENT PLAN (CIP)

Introduction of the  
DRAFT 10-Year CIP

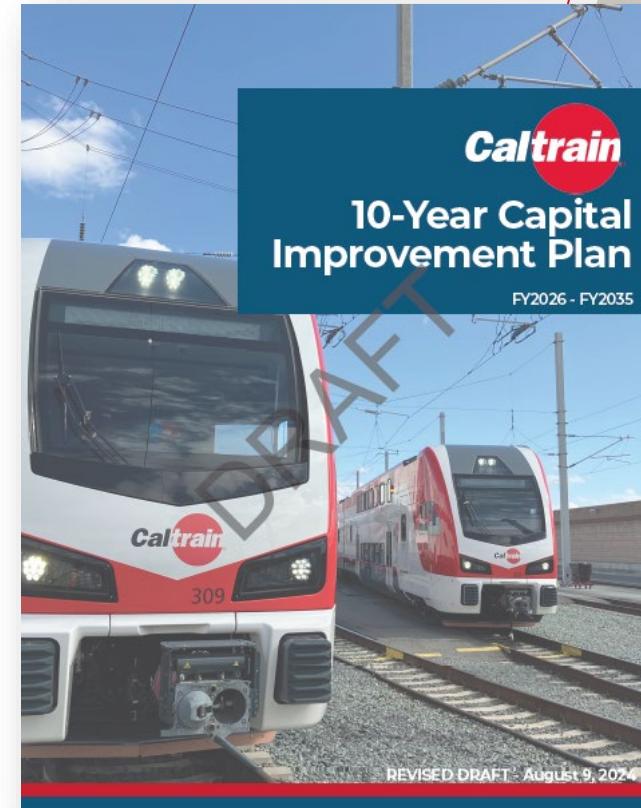
JPB Technology,  
Operations, Planning,  
and Safety (TOPS)  
Committee

September 25, 2024



# Purpose of the Presentation

- This is an informational item.
- Purpose of the presentation is to introduce the 10-Years Capital Improvement Plan (CIP) and its various components.
- Staff will come back next month to recommend adoption of the CIP and delegate authority.





# What is Caltrain's CIP?

It is a long-term, unconstrained and aspirational roadmap of capital improvements.



- Living document, reviewed and updated frequently in parallel to the capital budget process.



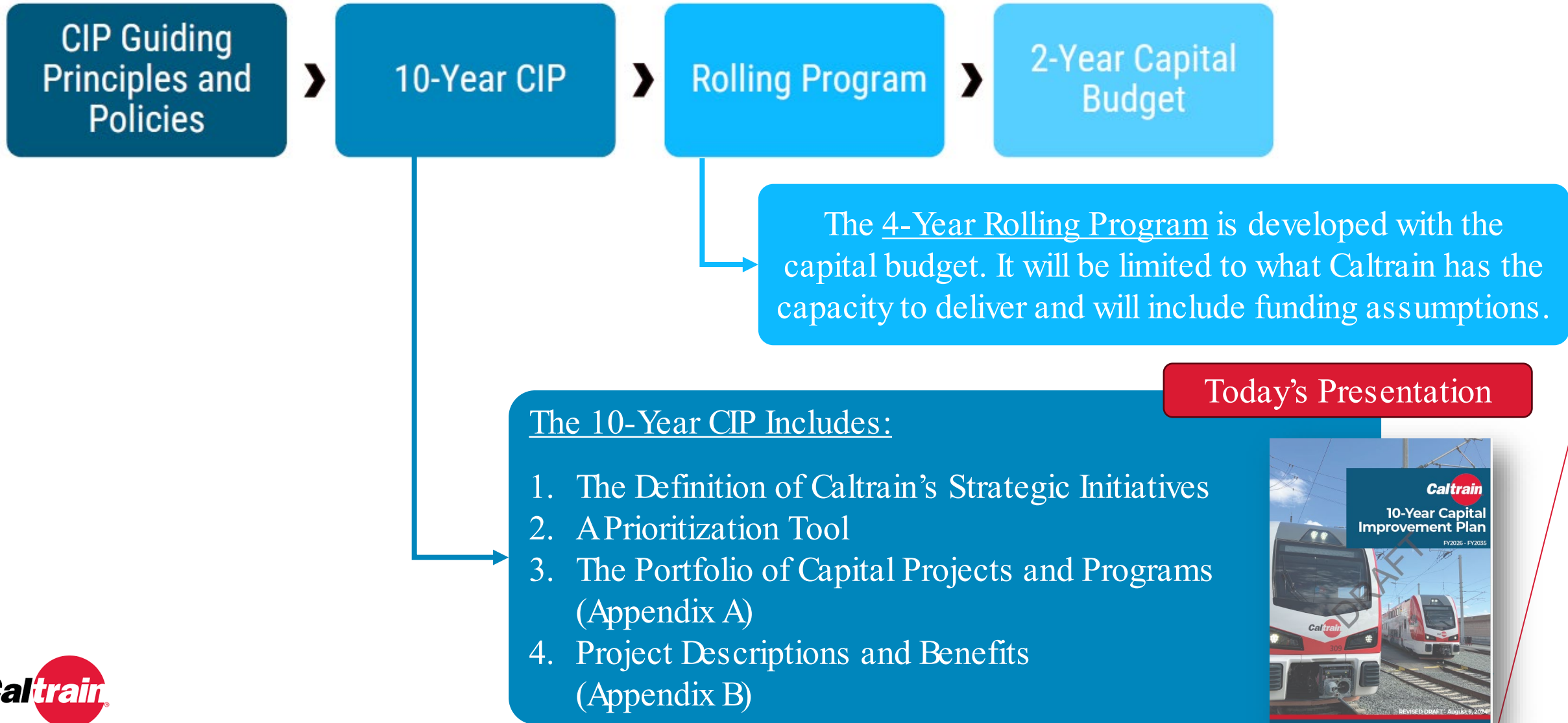
- Covers a multi-year period (FY2026-FY2035)



- Comprehensive list of maintenance, enhancement and expansion capital investments



# What is Caltrain's CIP?



# Rooted in Caltrain's Mission, Vision and Core Values

## Mission

Caltrain is a customer-focused rail system offering safe, reliable, accessible, and sustainable transportation service that enhances the quality of life for all.

## Vision

To be a vital Link in the statewide rail network by improving connectivity to other transit systems, contributing to the region's economic vitality, and partnering with local communities to ensure that diverse constituencies receive a world-class travel experience.



**SAFETY**



**EXCELLENCE**



**RESILIENCE**



**INTEGRITY**



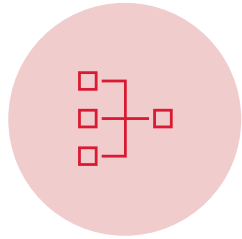
**EQUITY AND INCLUSION**



**SUSTAINABILITY**



# The Intent of the CIP



Streamlines processes such as the capital budget and provides essential information for pursuit of grant funding



Provides tools to identify, evaluate, and advance capital projects that yield the most benefits for Caltrain



Communicates Caltrain's capital needs and priorities to its funding partners



Helps Caltrain plan ahead for capital project delivery



# Engagement with Caltrain's Member Agencies (VTA, SMCTA, SFCTA)

The CIP became:

An opportunity for an open dialogue on capital projects

- Member agencies participated in workshops to define capital projects with systemwide benefits, reviewed the CIP and provided feedbacks.

The foundation for future discussion on funding

- Funding allocation and project eligibility
- Renewed capital budget process
- Strategic funding plan





# Caltrain's Strategic Initiatives

## CALTRAIN PORTFOLIO OF CAPITAL PROJECTS AND PROGRAMS

### Caltrain Sponsored Capital Projects and Programs

Mandates,  
Compliance  
and  
Emergency  
Projects

Provide a  
Safe and  
Secure  
Railroad

Maintain  
Core  
Services

Enhance  
Service and  
Customer  
Experience

Deliver the  
Long Range  
Service  
Vision

### Multi-Agencies Capital Projects and Programs

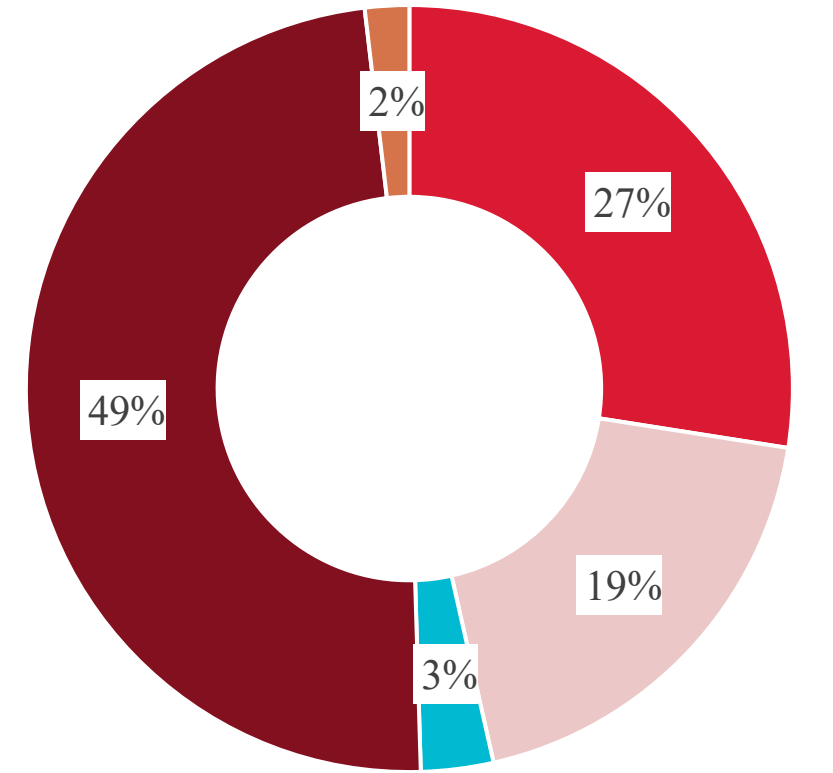
Partner with  
Local  
Communities

Contribute to  
the Region's  
Economic  
Vitality



# FY2026-FY2035 Funding Needs Per Strategic Initiative

| Caltrain's owned Strategic Initiative      | Total Funding Needs for FY2026-FY2035 (\$M)* |
|--|--|
| Maintain Core Services                     | \$ 960                                       |
| Enhance Service and Customer Experience    | \$ 660                                       |
| Provide a Safe and Secure Railroad         | \$ 110                                       |
| Deliver the Long-Range Service Vision**    | \$ 1,700                                     |
| Mandate, Compliance and Emergency Projects | \$ 70  |
| <b>Total</b>                               | <b>\$ 3,500</b>                              |



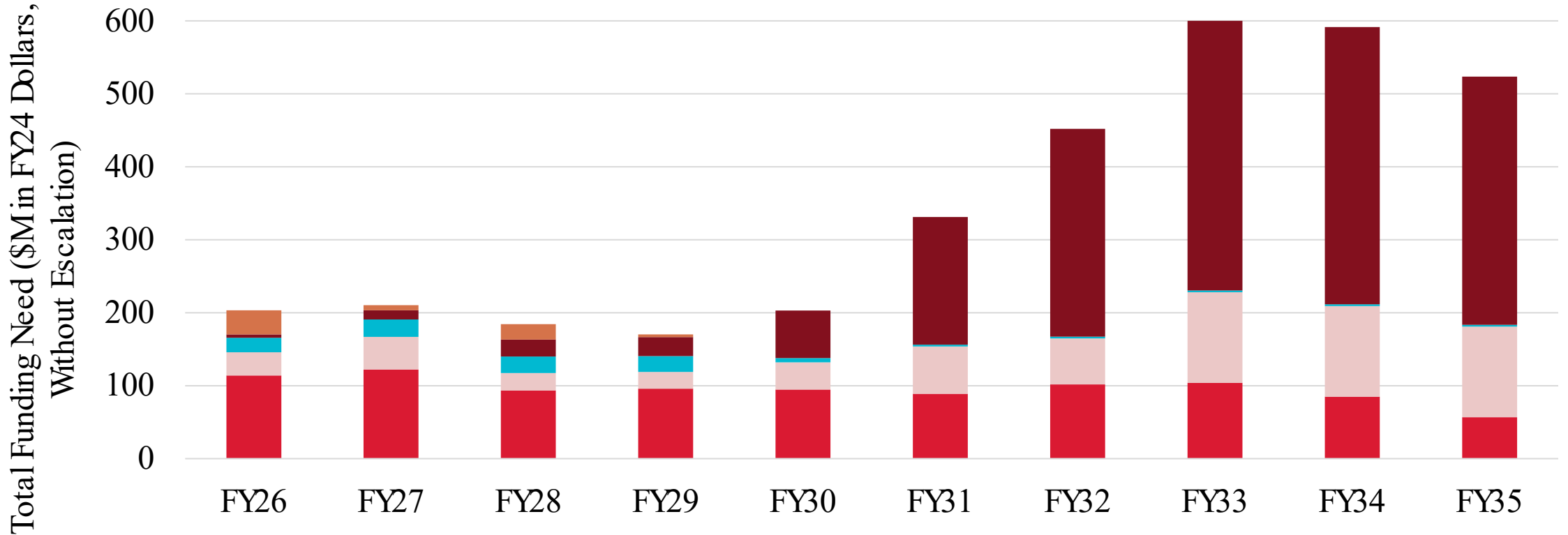
- Maintain Core Services
- Enhance Service and Customer Experience
- Provide a Safe and Secure Railroad
- Deliver the Long-Range Service Vision
- Mandate, Compliance, and Emergency Projects

\* It is a snapshot in time of our current understanding. Needs evolve and will be regularly updated to reflect our understanding.

\*\* Does not include the full cost of implementing the Long-Range Service Vision: construction of major asset is in FY36 and beyond



# Yearly Funding Needs Per Strategic Initiative



- Maintain Core Services
- Provide a Safe and Secure Railroad
- Mandate, Compliance, and Emergency Projects
- Enhance Service and Customer Experience
- Deliver the Long-Range Service Vision

# A Tool for Prioritizing Investments

Customer-focused rail system that enhances quality of life for all

## Safety

- Passenger, Community, Employee and Systemwide Safety and Security

## Reliability

- Asset Reliability and Monitoring
- Service Performance

## Accessibility

- System Access
- Inclusive Passenger Experience

## Sustainability

- Climate Resiliency
- Environment Stewardship
- Financial Sustainability





# WHAT ARE CALTRAIN'S PRIORITY PROJECTS FOR THE NEXT 10 YEARS?



# What are Caltrain's Priority Projects for the Next 10 Years?

## Mandate, Compliance and Emergency Projects



### Projects

- Electric Fleet for Service to Gilroy (Pilot Project)
- Non-Revenue Vehicle Fleet Electrification
- MS4 Trash Management





# What are Caltrain's Priority Projects for the Next 10 Years?

## Provide a Safe and Secure Railroad



### Projects

- Systemwide CCTV System Replacement and Expansion
- Intrusion Detection Program
- Right-of-Way Fencing
- Corridor Crossing Strategy - Programmatic Delivery

# What are Caltrain's Priority Projects for the Next 10 Years?

## Maintain Core Services

### Projects

- Critical Bridges Replacement:
  - Guadalupe Bridges Replacement
  - San Francisquito Creek Bridge
- System Modernization
  - Network Architecture Redesign
  - Fiber Optic Permanent Repair
  - PTC BOS - Technology Refresh and Replacement
  - PADS Phase 1: Gap Coverage and Enabling Work
- SOGR Programs





# What are Caltrain's Priority Projects for the Next 10 Years?

## Enhance Service and Customer Experience



### Projects

- Improving Accessibility:
  - Level Boarding Program
  - Mini-high Platforms
- Systems Modernization
  - VMS Replacement
  - Digital Customer Displays (Multi-Level Stations)
  - PADS Phase 2: Modernization
  - VHF Voice Radio Modernization and Optimization
- Universal Crossover Trackwork at Strategic Locations



# What are Caltrain's Priority Projects for the Next 10 Years?

## Deliver the Long-Range Service Vision



### Projects

- 4-Track Station and Grade Separation at Redwood City Station
- New Signal and Train Control System
- Systemwide Electric Fleet Expansion
- CEMOF Yard Capacity Enhancement
- Train Control Crossover Signaling in the Diridon-San José Station Area

# Next Steps

- Staff will present to CSCG and LPMG in October and continue to engage with both on an ongoing basis.
- Staff will recommend the 10-Year CIP for adoption at the November board meeting and request delegation of authority to update Appendices A and B.
  - Once adopted, the CIP will be used to develop a funding strategy that to inform long-term funding strategy discussions with the Transportation Authorities and Caltrain's other funding partners.



# Next Steps

- Staff continues to develop the 4-Year Rolling Program along with the FY26-27 Capital Budget with Caltrain's member agencies. Update on this in 2025.
- Staff continues to work on integrating processes adding new projects and programs to the CIP and collecting data supporting future prioritization.





# QUESTIONS?

