



# Bike Parking and Shared Micromobility Study Update

Bicycle Advisory Committee

November 19, 2020

# Overview

---

- Projecting bicycle infrastructure demand over time
- Plans for Infrastructure Improvements
- Shared Micromobility

# Projections

---

- Build on Business Plan efforts
- 2 target timeframes
  - Robust electric service
  - 2030
- Use Business Plan and industry research to refine numbers
  - Bikes on board
  - Personal bike parking
  - Shared micromobility

# Infrastructure Best Practices

---

- Types

- Bike racks (standard and smart)
- Bike lockers
- New bike rooms and modifications to existing bike rooms
- Integration into stations
- Integration into developments
- Shared micromobility

- Placement

- Proximity to platforms
- Perceived security

# Station Visits

---

- Initial approach was Modified due to COVID-19
- Consultants analyzed many factors, including:
  - Existing conditions
  - Access points
  - Measurements of potential available space
  - Ease of reaching platforms
  - Lighting and utilities
  - Off site opportunities where appropriate
  - Special considerations
- All stations in study have been visited

# Station Concept Plans

---

- Apply best practices for bike infrastructure
- Identify available space at stations
- Collaborate to propose specific infrastructure to specific locations to meet future demand
- Phased implementation

# System Wide Report

---

- Best practices background
- Bike parking vendor recommendations
- Operating and capital recommendations for different models (staffed room, unstaffed room, etc.)
- Funding opportunities and potential partnerships
- 22 station-specific concept plans tied to projections

# Shared Micromobility Vendor Interviews

---

- Operational discussions
  - Ways to address clutter, disorganization
    - Valet, docks, visible parking areas, geofencing, etc.
  - Increasing reliability of devices being available
  - In-app messaging
- Corridor-wide discussions
  - Permitting consistency
  - Feasibility of different markets
- Caltrain's potential role
  - Outreach and promotions
  - Space management
  - Data collection and sharing
  - Electric charging infrastructure



# Shared Micromobility

---

- Stepped back due to COVID-19 uncertainty
- Exploring ways jurisdictions can learn from past efforts
- Exploring ways Caltrain can support shared micromobility
- Identifying some potential paths forward
  - Pilot in San Francisco with Spin is ongoing

# Next Steps

---

- Confirm space available for bike infrastructure
- Early implementation: remove keyed lockers at many stations and install e-lockers
- Internal and external collaboration on shared micromobility
- Final report Spring 2021