Mid-Coast Mobility Hub Strategy
Clairemont Community Planning Group
May 21, 2019
Mobility Hub Overview

- Leverages shared mobility services and technology to provide a seamless travel experience
- Extends the reach of transit beyond the first and last mile
- Key component of the Regional Plan’s 5 Big Moves
Mobility Hub Concept

1. Bikeshare
2. Carshare
3. Scootershare
4. On-demand rideshare
5. Package delivery
6. Mobile retail services
7. Microtransit
8. Smart parking
9. Wireless EV charging
10. Neighborhood electric vehicles (NEVs)
11. Rideables
12. Shared, connected, and autonomous vehicles
Mobility Hub Features

TRANSIT AMENITIES

PEDESTRIAN AMENITIES

BIKE AMENITIES

MOTORIZED SERVICES AMENITIES

SUPPORT SERVICES & AMENITIES
Past Feedback on Mobility Challenges

- Safety and security concerns
- Senior mobility
- Better bike facilities
- Connections west of I-5
- Access to Clairemont Mesa
• Tecolote Road Station
• Clairemont Drive Station
• Balboa Avenue Station
Recommended Mobility Hub Features

• Facilitate seamless connections while improving the transit waiting experience
Recommended Mobility Hub Features

• Integrate mobility hub services and amenities into future developments
  - Real-time, multimodal travel kiosks
  - Carshare vehicles
  - Smart parking solutions
  - EV charging – NEVs, bikes, scooters
  - Package delivery lockers
  - Secure bike parking
Tecolote Road Station Mobility Hub
Tecolote Road Station Mobility Hub

Recommended Mobility Hub Features

- Implement two-way separated cycle track on W Morena Blvd
- Upgrade some existing bikeways to one-way cycle tracks
- Bike boxes at major intersections
- Bike channel connecting W Morena Blvd to Tecolote Rd
- Dockless micromobility drop-zones
- Secure bike parking and repair tools
Recommended Mobility Hub Features

• Moped scootershare to travel to uphill destinations or places located beyond a 5-minute bike

• Microtransit options to provide on-demand, pooled connections to USD, Sea World, etc.

• Dedicated carshare parking at Trolley station, employment areas, and on-street
Tecolote Road Station Mobility Hub

Conceptual Rendering
Clairemont Drive Station Mobility Hub
Recommended Mobility Hub Features

- Implement two-way separated cycle track on west side of Morena Blvd
- Provide Clairemont Dr cycle track
- Bike boxes at major intersections
- Dockless micromobility drop-zones
- Secure parking and repair tools
Recommended Mobility Hub Features

- Clairemont Drive cycle track concept

- Realign intersection; vehicles stop for peds/bikes
- Install 2-way cycle track
- Realign intersection; vehicles stop for peds/bikes
Recommended Mobility Hub Features

• Moped scootershare to travel to uphill destinations or places located beyond a 5-minute bike
• Neighborhood electric vehicle (NEV) shuttles on Morena Blvd and connecting streets
• Convenient and safe passenger loading areas for rideshare services
Multimodal Access Highlights

Clairemont Drive Station Mobility Hub

LEGEND

- PROPOSED CORRIDOR FOR PEDESTRIAN IMPROVEMENTS
- PROPOSED CORRIDOR FOR BIKEWAY IMPROVEMENTS
- PROPOSED CORRIDOR FOR MOTORIZED SERVICES IMPROVEMENTS

- TRANSIT STATION
- WALKWAYS
- CROSSINGS
- BIKEWAYS
- BIKESHARE
- MICROMOBILITY VEHICLES
- RIDEABLES
- NEIGHBORHOOD ELECTRIC VEHICLES
- MOPED SCOOTERSHARE
- SECURE BIKE PARKING
- TRANSIT ORIENTED DEVELOPMENT
- SMART PARKING
- EV CHARGING
- REAL-TIME MULTIMODAL TRAVEL INFO
- PACKAGE DELIVERY
- CARSHARE PROGRAM
- 5 MINUTE BIKE RIDE

Mission Bay Park
Bay Park Elementary School
Longfellow Elementary School
School of the Madeleine

0 0.25 0.5 Mi

Milton St
Claremont Drive
Hawkins St
Mission Bay Blvd
Mission Bay

SANDAG
Clairemont Drive Station Mobility Hub

Conceptual Rendering
Balboa Avenue Station Mobility Hub
Recommended Mobility Hub Features

• Convenient bike and pedestrian ramps to Balboa Ave
• Multi-use paths on Balboa Ave to improve access for pedestrians, bikes, and scooters
• Implement two-way separated cycle track on Morena Blvd
• Bike boxes, bike signals, bike foot rests
Recommended Mobility Hub Features

- Dedicated pooled vehicle lane on Balboa Avenue
- Microtransit NEV passenger loading areas
- Smart parking solutions
- Mobile retail services staged in flexible curb space
Balboa Avenue Station Mobility Hub

Conceptual Rendering
Balboa Avenue Station Mobility Hub

Conceptual Rendering
Mobility Hub Implementation
Implementation Strategies

• Adopt policies to enable hub feature implementation
  - Account for hub features in community plan updates, capital improvement plans, etc.
  - Review/update parking policies at station and developments
  - Review existing criteria for regional grant programs to better account for mobility hub features

• Allocate flexible space for mobility hub features
  - Station and on-street curb space for passenger loading
  - Convert a portion of the curb for package delivery or mobile retail services at other times
  - Plan for a network of wireless charging infrastructure
Implementation Strategies

• Partner with private entities to fund, pilot, and sustain mobility hub features
  - Pilot diverse micromobility services between the Trolley stations and key destinations
  - Identify space for pick up/drop off for on-demand microtransit and other pooled rideshare options

• Monitor progress and performance to refine strategies
  - Assess performance of micromobility and on-demand rideshare to adjust vehicle supply and subsidies
  - Implement open data sharing agreements with services to better assess ridership, mode shift, and travel preferences
Learn More

SDForward.com/MidCoastMobilityHubs

Marisa Mangan
Associate Regional Planner
marisa.mangan@sandag.org
Past Feedback on Mobility Challenges

- Safety and security concerns
- Senior mobility
- Better bike facilities
- Access to Mission Bay
- Access to Clairemont Mesa