Bus Stop Facility Coordination

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Golden Gate Bridge Highway & Transportation District
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Golden Gate Bridge Highway & Transportation District

- District owns and operates:
  - Golden Gate Bridge
  - Golden Gate Transit (GGT)
  - Golden Gate Ferry (GGF)

- GGT Service Area: Marin, San Francisco, Sonoma, and Contra Costa Counties

- Marin
  - Operates regional service
  - Contracts for Marin local service
Purpose of This Presentation

• To establish/re-establish and strengthen cooperative relationships with jurisdictions and agencies within the GGT Service Area

• To provide updated information on current GGT vehicles, their operational requirements, limitations, and constraints

• To open a continuing dialog with jurisdictions so that GGT may continue to provide high quality transit service to communities in its Service Area
GGT Fleet

- 245 Buses
- Bus Widths – 8.5’ to 10.3’ (with side mirrors)
- Bus Heights – up to 11.41’
- Turning radii – 33’ to 47’
- Wheelchair lifts (locations vary)
- Bike racks (locations vary)
GGT Fleet Wheelchair Lifts

- Location of lifts varies by bus model
- ADA requires 5’ wide x 8’ deep area for lift
GGT Fleet Bicycle Racks

- 2 types of bike racks (varies by bus model)

Front-mounted (3-bike capacity)

Front & Rear Luggage Bays (2-bike capacity each, requires 5’ wide x 9’ deep clear area)
Bus Stop Locations

- GGT Serves 141 Stops in Sonoma County
- Local arterial and collector streets
  - Nearside, Far side, Mid-block
  - Turn-outs
  - Parking lane
  - Travel lane
- Freeway (bus pads)
  - Mainline
  - On/Off-ramps
- Park and Ride Lots
- Transit centers/hubs
- BART stations
- Private property (Shopping Centers and Hospitals)
Temporary Bus Stops

• Due to construction, special events, or emergencies
• GGT coordinates with local jurisdiction to relocate or suspend stops
• Temporary bus stop signing needed
• Minimum Notification – GGT requires 2-weeks to:
  - Notify customers (social media, e-blasts, website)
  - Issue Operator Bulletins
  - Notify Customer Service Center
Bus Stop Design

- Location
- Length of curb space
- Sign placement, location
- Amenities
  - Shelters
  - Benches
  - Trash receptacle
  - Landscaping
- ADA requirements
  - Accommodation of wheelchair lift (min. 5’ wide x 8’ deep area)
  - Clearances
  - Placement of amenities
Bus Stop Design Resources

• Accessible Paths (i.e. sidewalks, walkways):
  - ADA Standards for Accessible Design (Dept. of Justice)
  - Proposed Guidelines for Pedestrian Facilities in the Public Right-of-way (U.S. Access Board)
  - Guide for Transportation Landscape and Environmental Design (AASHTO)

• Roadways
  - Guide for Geometric Design of Transit Facilities on Highways and Streets (AASHTO)
  - A Policy on Geometric Design of Highways and Streets (AASHTO)
  - Highway Design Manual (Caltrans)
  - California Manual on Uniform Traffic Control Devices (MUTCD)
  - TCRP Report 12, Guidelines for Transit Facility Signing and Graphics
Design & Operational Issues

• Proximity from intersections and driveways
• Proximity to high pedestrian trip generators
• Street/lane widths
• Parking lanes
• Bike lanes
• Stop/Yield lines
• Corner radii
• Curb extensions
Design & Operational Issues (Cont.)

- Raised medians
- Roundabouts/Traffic Circles
- Vertical displacement devices
  - Speed humps
  - Speed tables
  - Raised crosswalks
- Railroad grade crossings
Design & Operational Issues (Cont.)

- Cycle Tracks

Source: SFMTA’s Guidelines for Accessible Building Blocks for Bicycle Facilities
Design & Operational Issues (Cont.)

- Limited turning-radii for MCI 45’ buses
Transit Technologies/Strategies

- GGT’s Advanced Communications and Information Systems (ACIS) project
- Bus Rapid Transit (BRT)
- Bus queue jumps
- Transit Signal Priority
Initiatives

- Complete Streets
- Green initiatives
- Transportation Management Plans (TMPs)
- General Plans
Coordination

- Planning
  - Streetscape projects
  - New development projects
  - Major expansion projects

- Conceptual phase

- Design

- EIRs

- Capital Improvement Projects (CIP)
  - Traffic signals
  - Roadway geometry, widths
GGBHTD Staff Can Assist With

- Design review
- Field review
- Conceptual design
- Coordination meetings
- Project and funding partnerships
Golden Gate Bridge Highway & Transportation District Website:

Visit: www.goldengate.org --> Transit --> Research Library --> Bus Stop Facilities

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