



BUS STOP FURNITURE GUIDELINES

CITY OF EMERYVILLE INTER-LIAISON COMMITTEE | SEPT 14, 2022



Today's Presentation:

- Background
- Bus Stop Furniture Guidelines Content
 - Bus Stop Amenities Types and Design
 - Site Conditions
 - Bus Shelter Placement Guidelines
 - Adding a Shelter or Bench
 - Removing a Shelter or Bench
- Questions / Comments

What: 1999 Transit Shelter Agreement - Amendment 9

Who: Clear Channel Outdoor Advertising

Term: April 1, 2022 to March 31, 2023

- Clear Channel Outdoor Advertising (CCO) contract extended to maintain the shelters and perform all capital work in exchange for advertising on the shelters while we transition.
- AC Transit administers the contract and funds the maintenance and capital work costs.
- Clear Channel is no longer interested in continuing with this Agreement because advertising revenue in transit shelters is unreliable.

For the long-term, AC Transit staff have developed:

- The WHAT: Bus Stop Furniture Guidelines
- The HOW: Scenarios and Cost Estimates for Transit Shelter Maintenance Contracts



BUS STOP FURNITURE GUIDELINES (BSFG)



BUS STOP FURNITURE GUIDELINES



The purpose of these guidelines is to:

- To lay out AC Transit's long-term plan for bus stop shelters and benches to internal staff, external stakeholders, the public, and elected officials as the District revamps the program.
- To establish bus stop shelter and bench design and placement standards.
- To show the roles and responsibilities that local jurisdictions, transit agencies, contractors, and the public have in supporting bus stop street furniture improvements.



TYPES AND DESIGN



Cantilever Bus Shelter
Bay Area Rapid Transit (BART)
El Cerrito Del Norte Station
Source: AC Transit

Enclosed Bus Shelter
City of Alameda, CA
Source: Google Maps

TYPES AND DESIGN



Pole Bench Designs
Trimet | Portland, Oregon
Source: Trimet Wikimedia



Ad Bench
Clear Channel
Outdoor



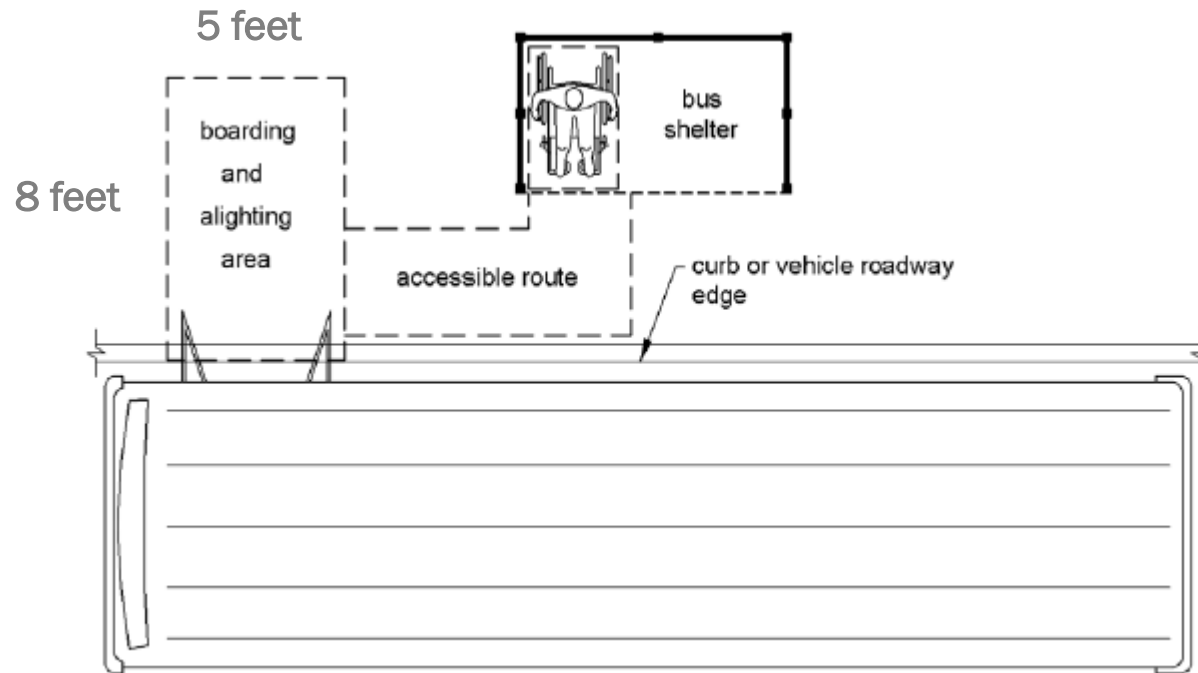
Cantilever Bus
Shelter With
Seating

LAMetro
Los Angeles, CA
Source: Tolar
Manufacturing

Below is a summary of design recommendations for transit shelters

Design Element	Recommendation
Structure	Cantilever Design
Canopy Height and Size	8'(L) x 5'(W) x 8'(H) (typical) and up to 20'(L) x 8'(W) x 12'(H)
Materials	Aluminum (or steel) with perforated metal windscreens
Lighting	LED – local and manufacturer standards
Trash Cans	Do not include
Real-time Digital Displays	Include under separate contract
Public Information	Maps, wayfinding signage, schedules, other information; must be updated regularly
Design Type	Off-the-shelf for consistency and ease of maintenance
Advertising	Include for additional revenue source
Power	Consistent power source needed for lights and signage

- Before adding bus stop furniture, assess the location of the bus stop ensure that bus shelters or benches can fit without obstructing accessibility.
- Determining site conditions can help inform the costs for designing, permitting, and constructing transit shelters or benches at a bus stop location.



Americans with Disabilities Act (ADA) Guidelines: Transportation Facilities, Section 810.2 and Section 209.2.3

With many stops and limited resources, AC Transit must prioritize where to improve bus stops and place shelters and benches. The methodology focuses on three factors:

- Person-Minutes: Person-Minutes considers how long people wait at a bus stop with how many people are waiting at that bus stop.

$$\text{Person-Minutes} = (\text{Average Daily Ridership}) \times (\text{Average Frequency})$$

- Percent of People of Color per Census Block Group: American Community Survey 5-Year dataset (2015-19)
- Percent of Low-Income People per Census Block Group: American Community Survey 5-Year dataset (2015-19)

In addition, senior centers, human service agencies, and medical facilities will be taken into consideration.

AC Transit recommends adding shelters at bus stops as funding and maintenance resources allow based on the following criteria:

- Locations with a high Bus Stop Furniture Placement Methodology score.
- Neighborhoods with higher populations of people of color and low-income individuals.
- Locations that serve people with disabilities, housing for older adults, hospitals, healthcare clinics, or social service providers.
- Stops that are major transit centers.

Adding a bench:

- AC Transit recommends adding a bench at locations where there is not enough space to place a bus shelter.
- Most local jurisdictions have their own bench program, in which case AC Transit will work with them to request stand-alone benches at these locations.

AC Transit recommends removing and/or relocating a shelter or bench if:

- Shelters Only: Locations with a low Bus Stop Furniture Placement Methodology score.
- Changes in roadways or property boundaries that make it so the site cannot fit a shelter
- There are site problems, such as inadequate clearance around the shelter for pedestrians or traffic safety issues.
- A bus stop is permanently removed. Some exceptions, such as pre-pandemic service reductions, may apply.

Sometimes, a shelter or bench may be temporarily removed if:

- It is in a construction zone, such as a streetscape project or development of a property.



QUESTIONS & DISCUSSION

