

SECTION 8 BUS SHELTERS

8.01 GENERAL

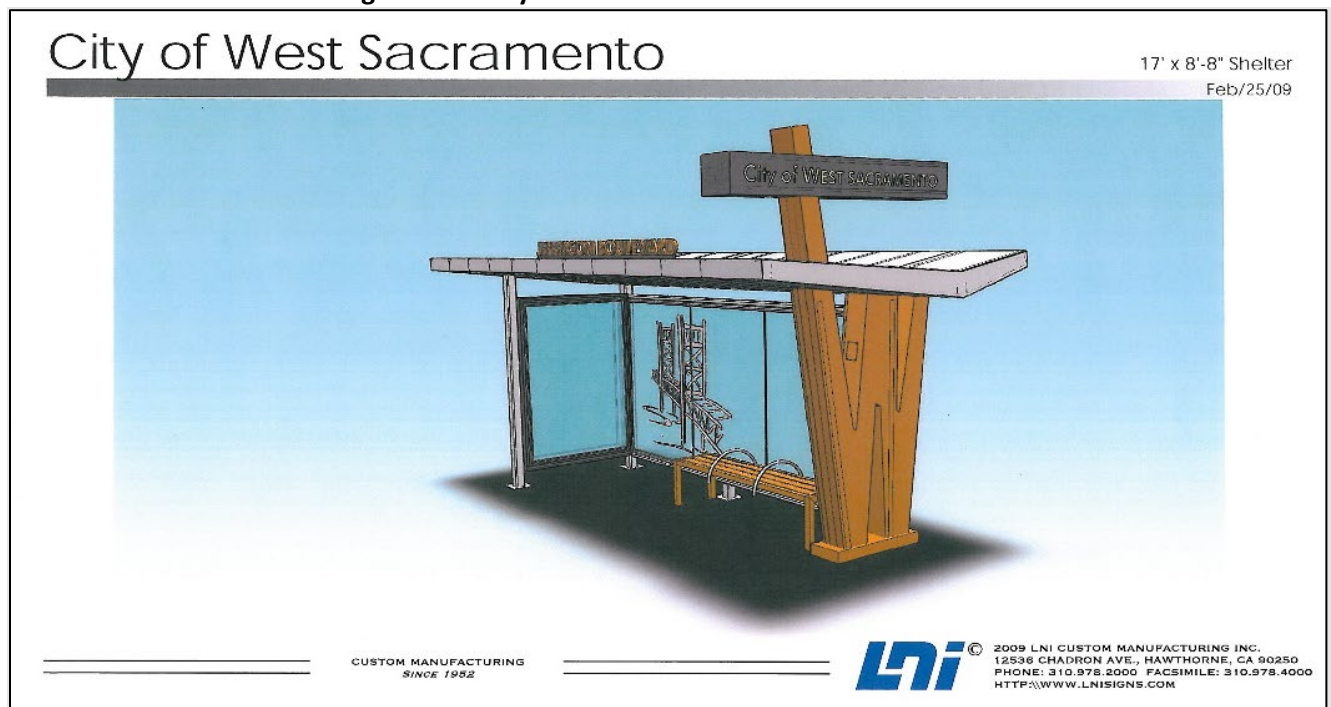
- A. WHERE BUS SHELTERS are required by the City, bus shelters are covered, semi-enclosed waiting areas with benches located at bus stops. Bus shelters offer protection from inclement weather conditions, provide for passenger comfort, and establish a transit presence within a local area.

The City has two basic bus shelter designs depending on location in the City. Along City Loop Parkway, major City arterials, and certain City Specific Plan Areas, the City specific bus shelter is as shown in Figure 8-1 below. Specifications and details for these types of bus shelters will be provided by the City Capital Projects Department upon request.

All other bus shelter locations in the City shall be designed in accordance with these design requirements and City Standard Details 261 through 264.

When bus shelters are required to be constructed as part of a development project, the Developer shall obtain direction from the City as to the type and location of the bus shelter(s) prior to starting the project design process.

Figure 8-1 - City Architectural Grade Bus Shelter



8.02 PLACEMENT GUIDELINES

- A. MINIMUM REQUIREMENTS - Bus shelters shall meet the following minimum placement guidelines:
1. Shelters located adjacent to buildings shall be placed a minimum of eight (8) inches away from the building wall.
 2. Shelters shall not be placed so as to obstruct sidewalks or access to and from transit vehicles.
 3. Shelters should not be placed where they obstruct visibility at street intersections or where vehicles enter onto an arterial from a private roadway or driveway.
 4. Bollards shall be placed, when required, as shown on the Standard Details or as otherwise required by the City Engineer.

8.03 DESIGN

- A. MINIMUM REQUIREMENTS
1. Bus shelters shall be consistent with the specifications provided in Section 19 of the City Standard Construction Specifications (Division IV) of these Standard Specifications, or per City Specific Plan requirements for improvement projects covered within the City Specific Plan areas.
 2. All bus shelters shall meet the following minimum guidelines unless otherwise described within City Specific Plan areas or at major roadway locations as described above. Standard bus shelters shall meet the following requirements:
 - a. Bus shelters shall be constructed of one-fourth (1/4) inch bronze plexiglass and aluminum posts, bends, and mullions. Bus shelter components requiring routine, time-based replacement should not be included. All components should be easily removable to facilitate maintenance.
 - b. Bus shelters must be constructed so as not to pose safety hazards to passengers or to other individuals.
 - c. Free-standing shelters should be placed on a non-slip concrete pad sloped toward the roadway for drainage at two (2) percent slope.
 - d. Minimum clearance of four (4) feet from the curb is required. Five (5) feet is desirable for free-standing shelters to provide for wheelchair access.
 - e. Shelters shall have an opening from grade to the bottom of the wall panel of at least six (6) inches.
 - f. Roof and support structure of the shelter shall be designed to hold a load of forty (40) pounds per square foot and designed so that drainage is sloped away from the street side of the shelter.
 - g. Benches installed in bus shelters should be at least six (6) feet long and be made of aluminum or other durable material approved by the City.
 - h. Bus shelters may have lockable bike parking areas as shown on Standard Details #261 and #262A.

3. In addition, the City may require that bus shelters be provided with solar powered lighting with a battery backup system where the existing outdoor lighting level is inadequate. Lighting fixtures shall be easily maintained, vandal-resistant, and placed to maximize passenger illumination.