



# CASCADES EAST TRANSIT

## TRANSIT INFRASTRUCTURE GUIDE

### ADA Compliance Sidewalks/Pads

- Accessibility requirements for bus stops are defined through the ADA Standards for Transportation Facilities.
- Where constructed, bus stop boarding and alighting area must have a firm and stable 5 x 8 foot surface for wheelchair lift or ramp deployment.
- Grade is less than 2%.

### Concrete Pads

Cascades East Transit encourages the pouring of concrete pads (where feasible) to provide a staging area for passengers to queue, as well as provide an area for transit infrastructure, such as shelters, benches, signage, and lighting.

- Required concrete thickness to support weight of shelter = 4 inches
- Required depth for shelters to be anchored onto pad = 13 feet
- Required length for shelters to be anchored onto pad = 17 feet
- Bolts securing shelters are placed 2 – 4 inches from end of landing pad to ensure bolts do not split through pad edging.

### Bus Shelters

- Standard CET bus shelter stock ranges from 7 - 8 feet long and 32 - 57 inches in depth.
- Custom bus shelters can be larger than the standards mentioned above, however design and build of these custom shelters would most likely be part of a larger project.
- Install can be performed by CET Maintenance Staff.

### Benches

- Standard CET bench stock are 24 inches in length, 20 inches in depth, and 18 inches in height.
- The base for the benches, which are bolted to the ground, is 24 inches in length and 8 inches in depth.
- Install can be performed by CET Maintenance Staff.

### Fleet Size Measurements

The sizes of the largest buses that must be accommodated at the stops are 35 feet in length with 19 feet and 1 inch in between the two passenger doors of the bus. The front passenger door is 3 feet and 7 inches in width and the rear passenger door is 3 feet and ½ an inch in width.