

GUIDEWAY AND COLUMN FACT SHEET



What is the height of the elevated guideway?

The height from the ground to the top of the guideway deck is about 35 feet in most areas. The guideway also includes three-foot high sound walls located on each side of the guideway designed to deflect the train noise.

Why do some of the rail support columns have decorative designs on them?

There will be several embossed columns at each of the rail stations that will illustrate the historic and cultural stories of each community. All of the embossed columns at the stations will have patterns unique to the area's ahupua`a.

What are the dimensions and weight of a guideway segment?

A typical segment is around 11 feet long, by 30 feet wide, by 7 feet tall.

Each pre-cast segment weighs about 50 tons.

How many segments to a span?

A span, which is the area from one column to the next, consists of an average of 12 segments.

How many segments will be cast for the first 10 miles of the alignment from East Kapolei to Aloha Stadium?

About 5,200 segments will make up the first 10 miles of the alignment.

Once the guideway segments are in place, what other work needs to take place?

Train tracks and other infrastructure to power the system will be installed along and within the deck. Once the train stations are constructed, the guideway level will be part of the train boarding area at each station.

First mile of guideway includes:

- 42 column spans
- 516 segments
- 15,900 cubic yards of concrete

