

CASTING YARD SEGMENT PRODUCTION FACT SHEET



How large is the casting yard?

The casting yard is 34 acres.

How many segments will be cast each day?

On average, there will be about a dozen segments produced daily.

How long does it take for a segment to be ready for the guideway?

It takes five days to cast a segment from start to finish, and it takes an additional 10 days for the concrete to cure.

How much does a segment weigh?

Each segment weighs about 50 tons.

What are the dimensions of a segment?

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

How many segments to a span?

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

How much concrete is used for a segment?

An average segment uses about 18 cubic yards of concrete.

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.

How many people are working at the casting yard facility?

Currently, Kiewit has 82 people working at the casting yard.

What type of quality checks do you have for the segments?

Each segment goes through an extensive quality check both before and after concrete is poured. The segments will also go through an additional inspection prior to being transported and placed onto the guideway. These segments are built to last 100 years.