



Nieko-The bridge building robot

pid you know there are more than 600,000 bridges in the United States and millions more in the world?

Bridges are designed by Engineers, who make sure that every bridge is safe for people to cross.

I bet you crossed a bridge today!

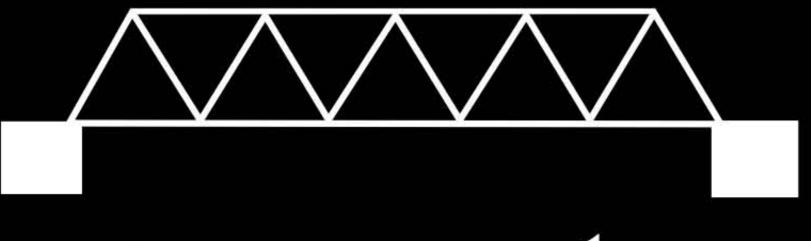
Nieko's Guide to Basic Bridge Types

How many can you spot?

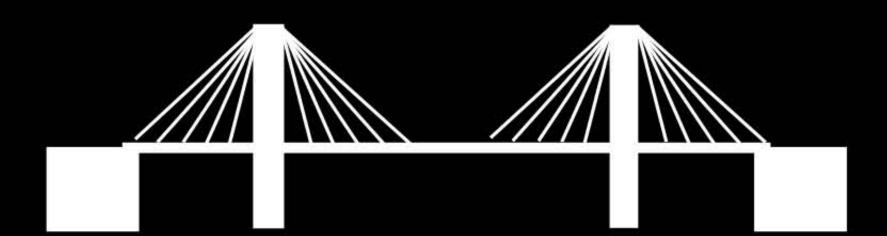




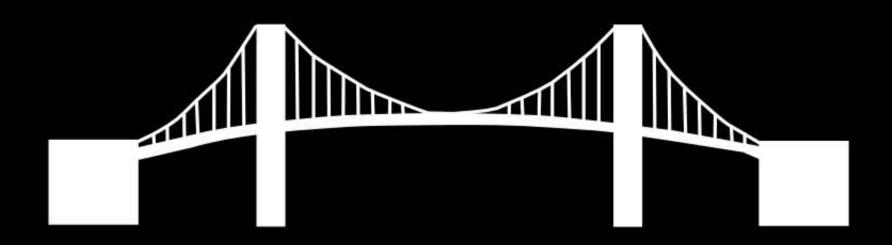
Beam Bridge



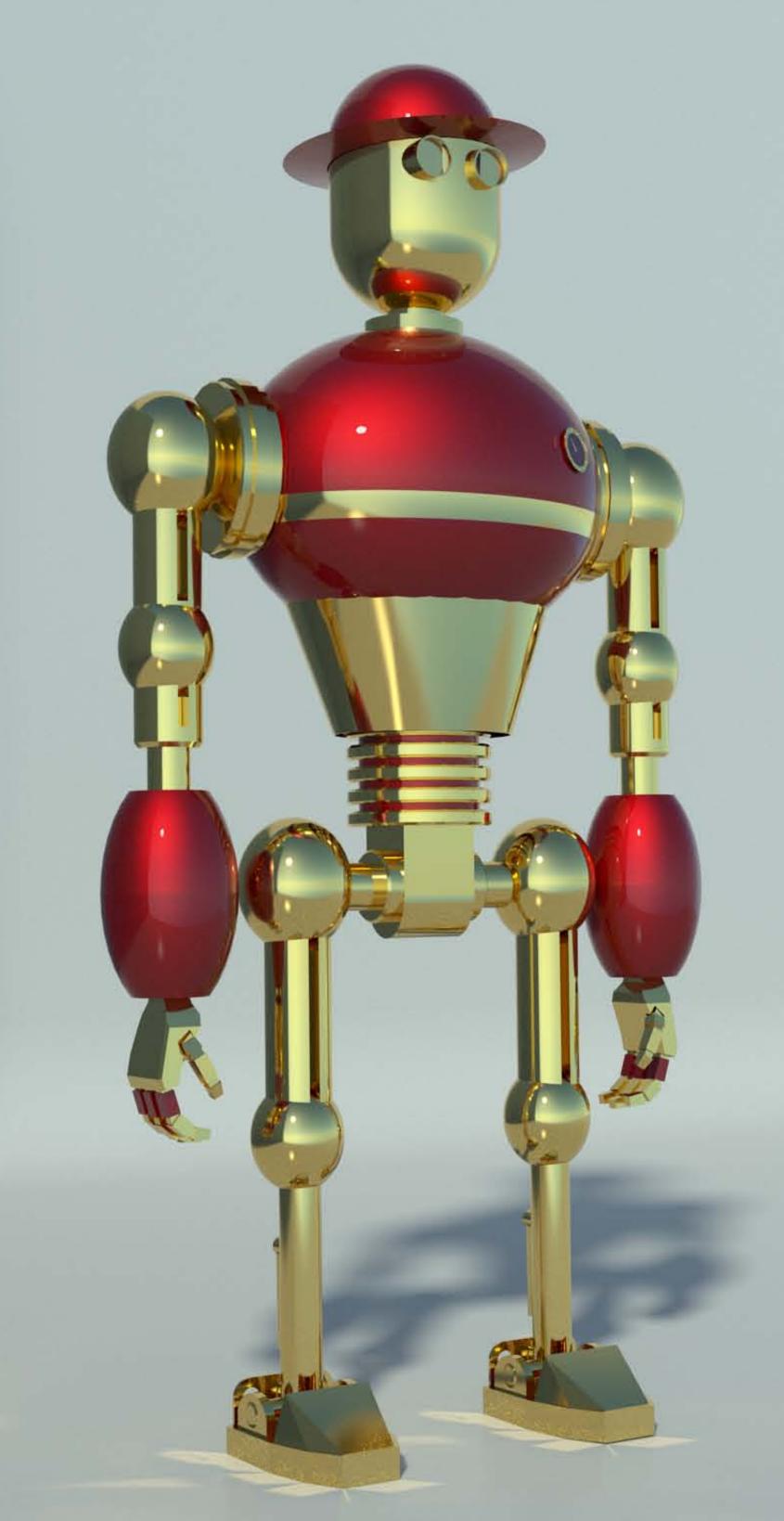
Truss Bridge



Cable Stay Bridge



Suspension Bridge



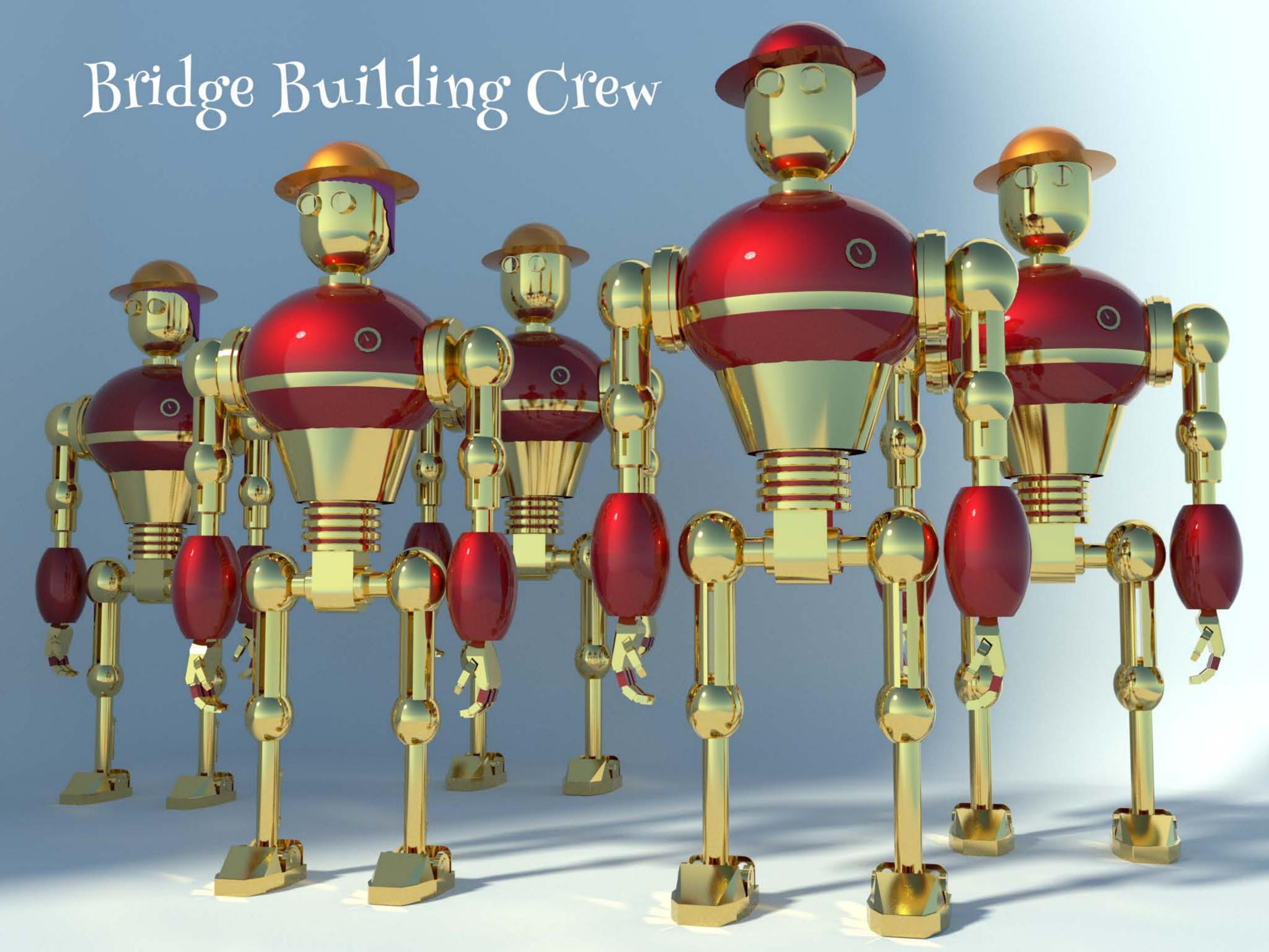
NieKo is a state of the art bridge building robot. Designed to work in all environments and temperature conditions.

NieKo Specifications

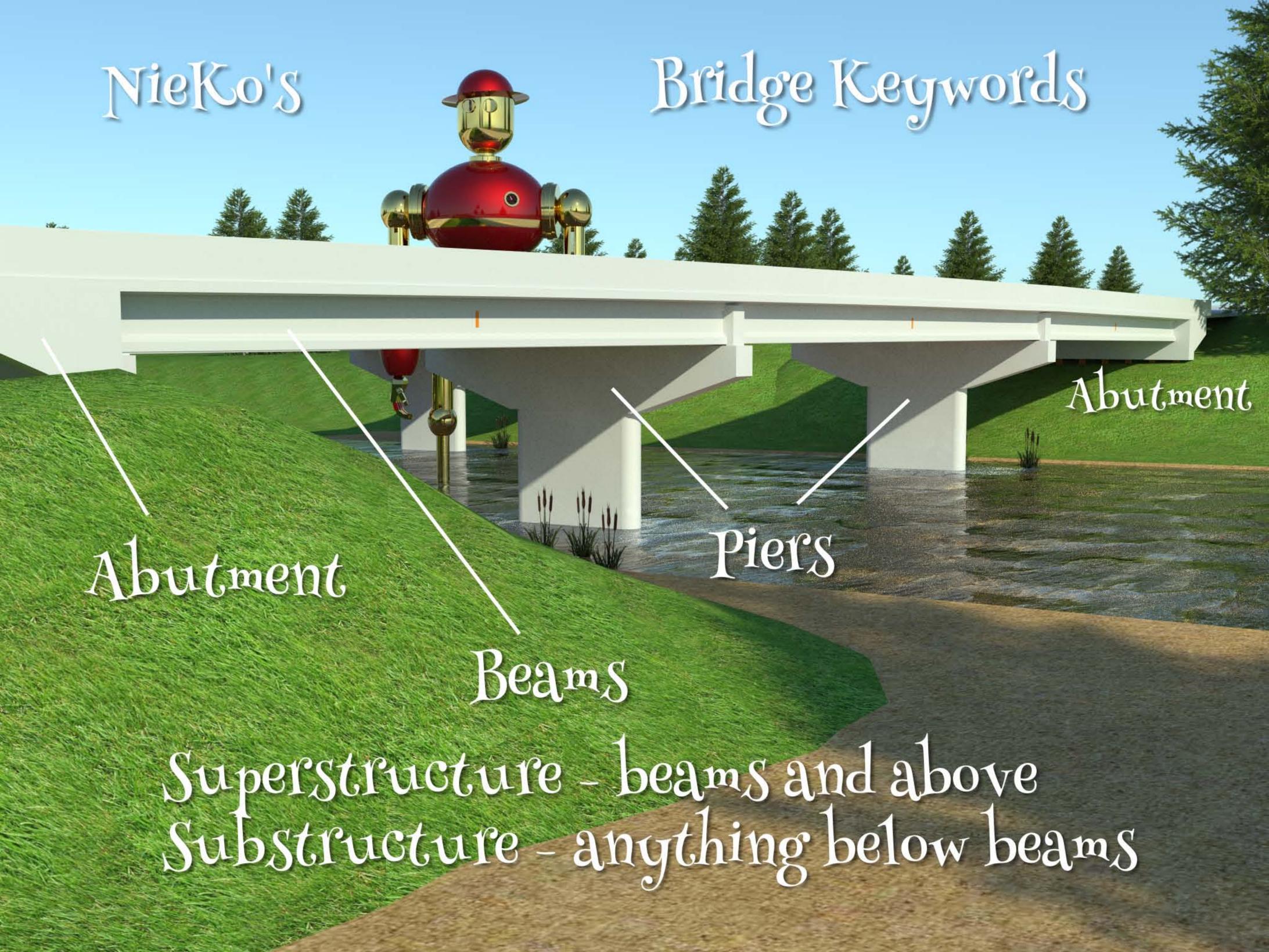
Height: Tall

Weight: Heavy

Power: Solar

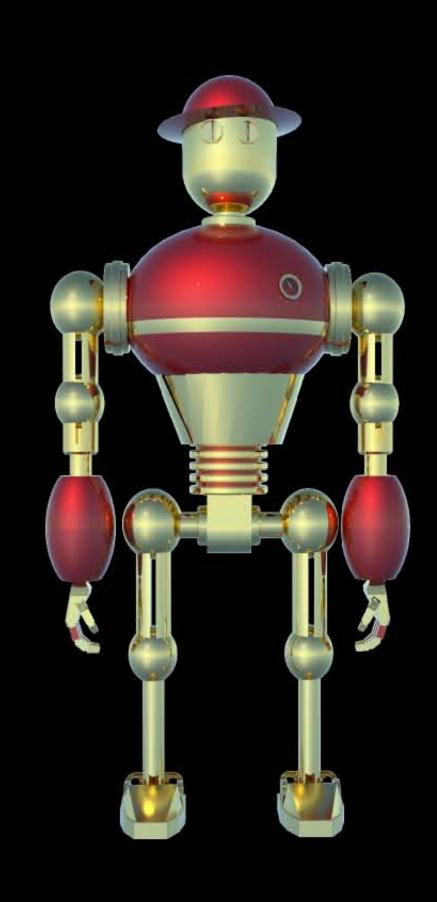


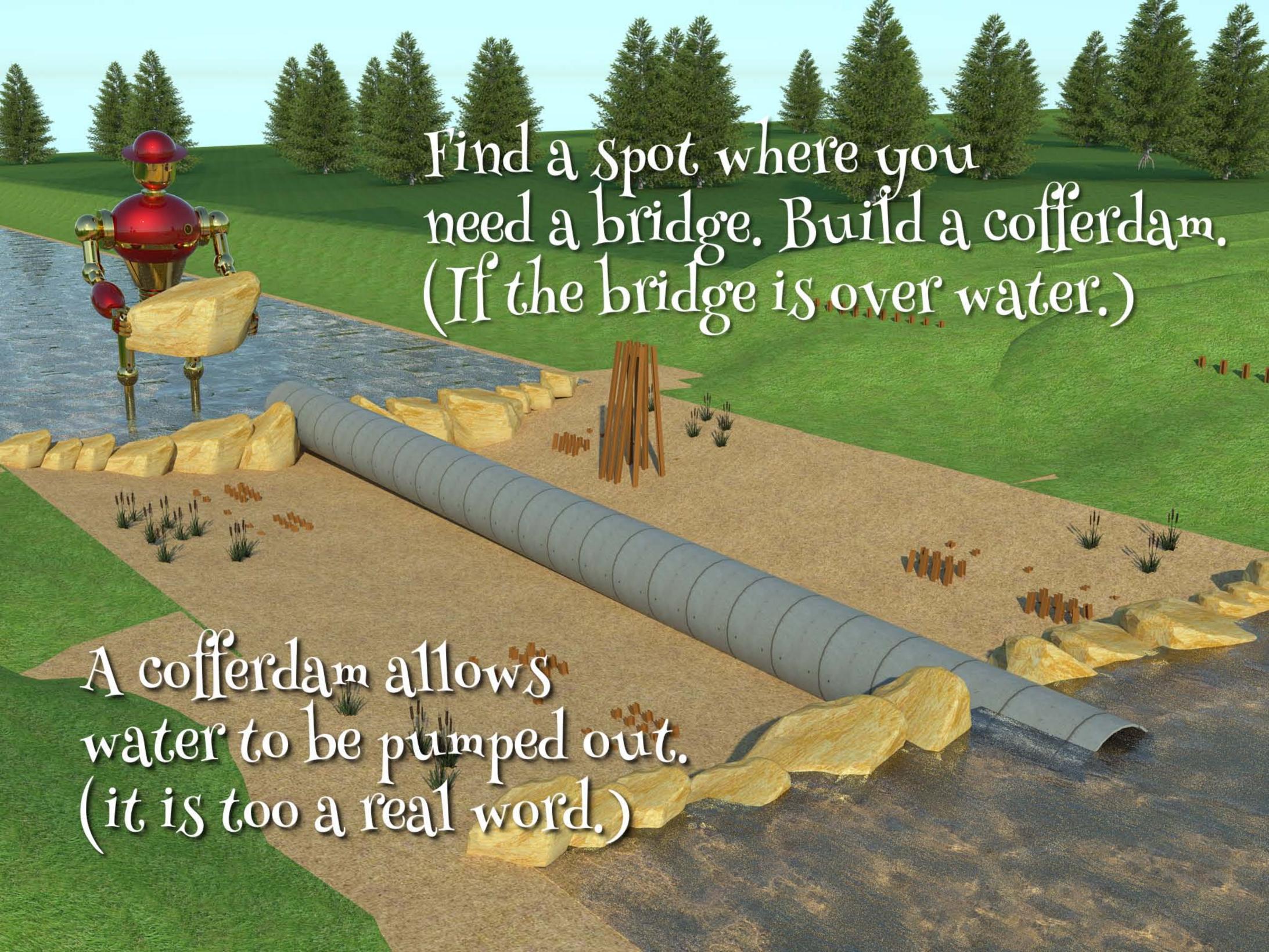




Want to build a bridge?

Start with the substructure.

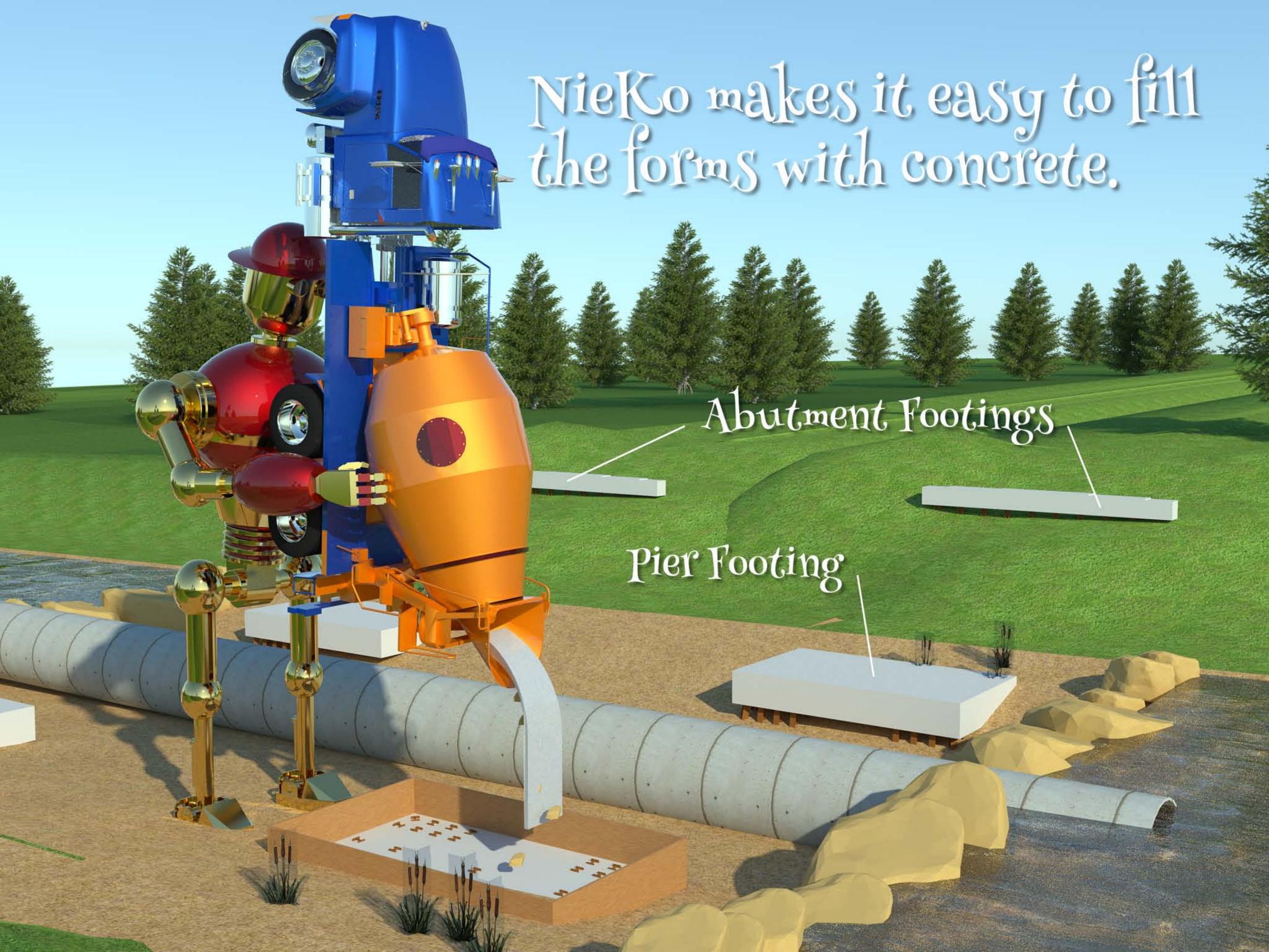


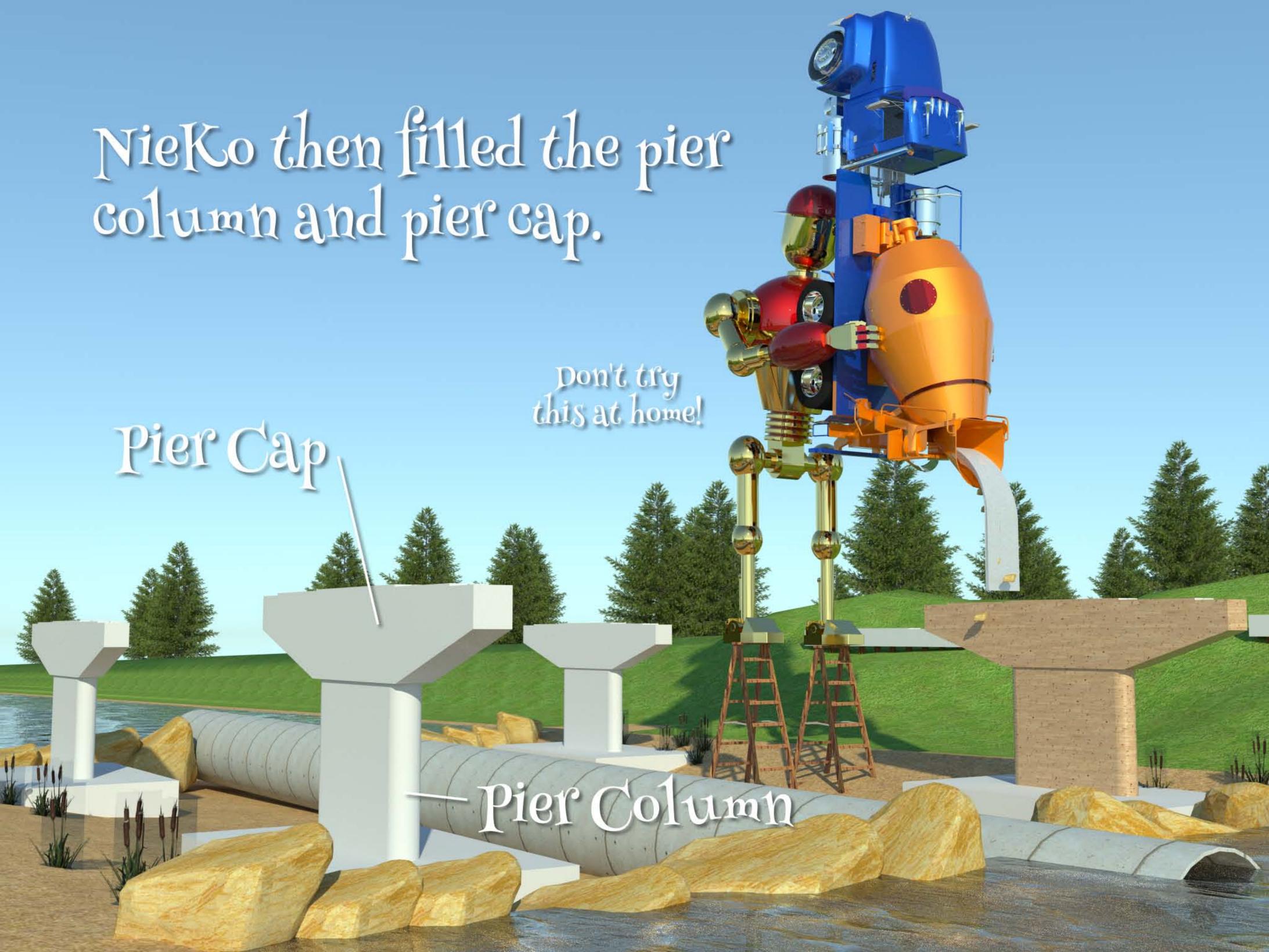


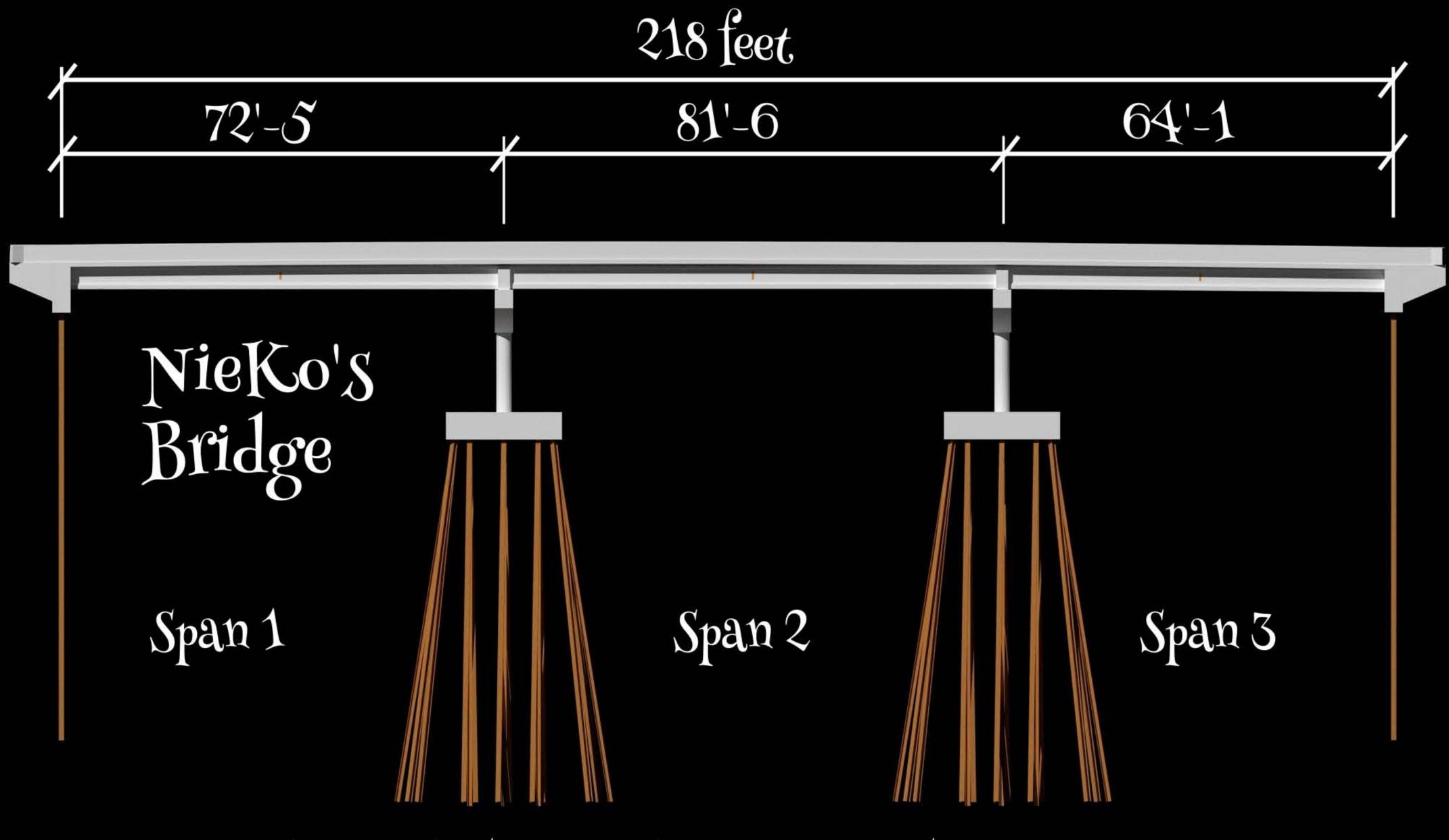




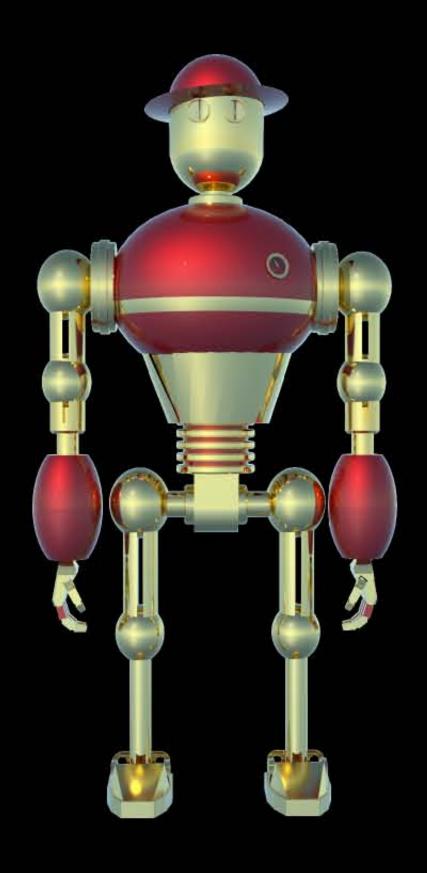




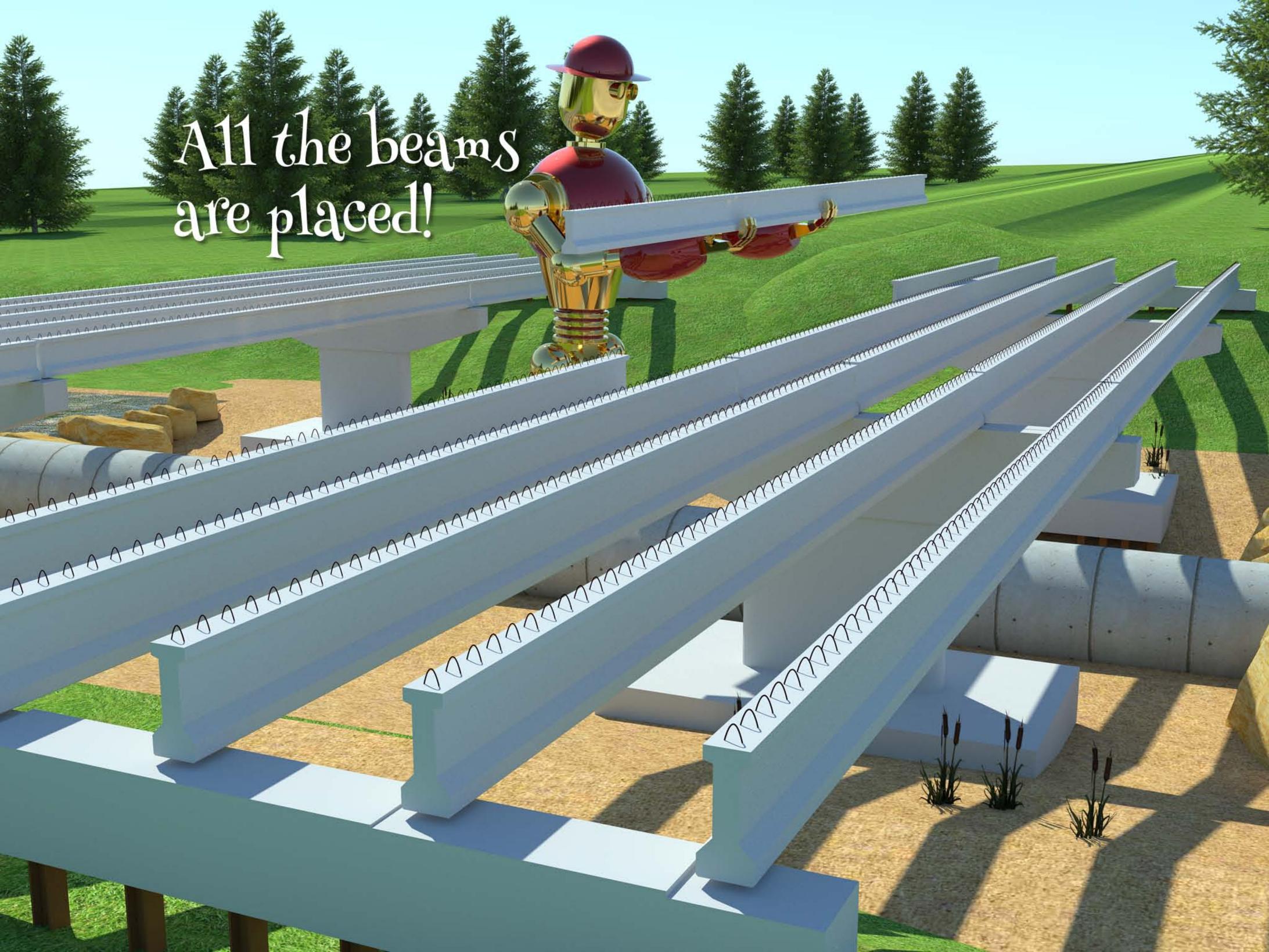


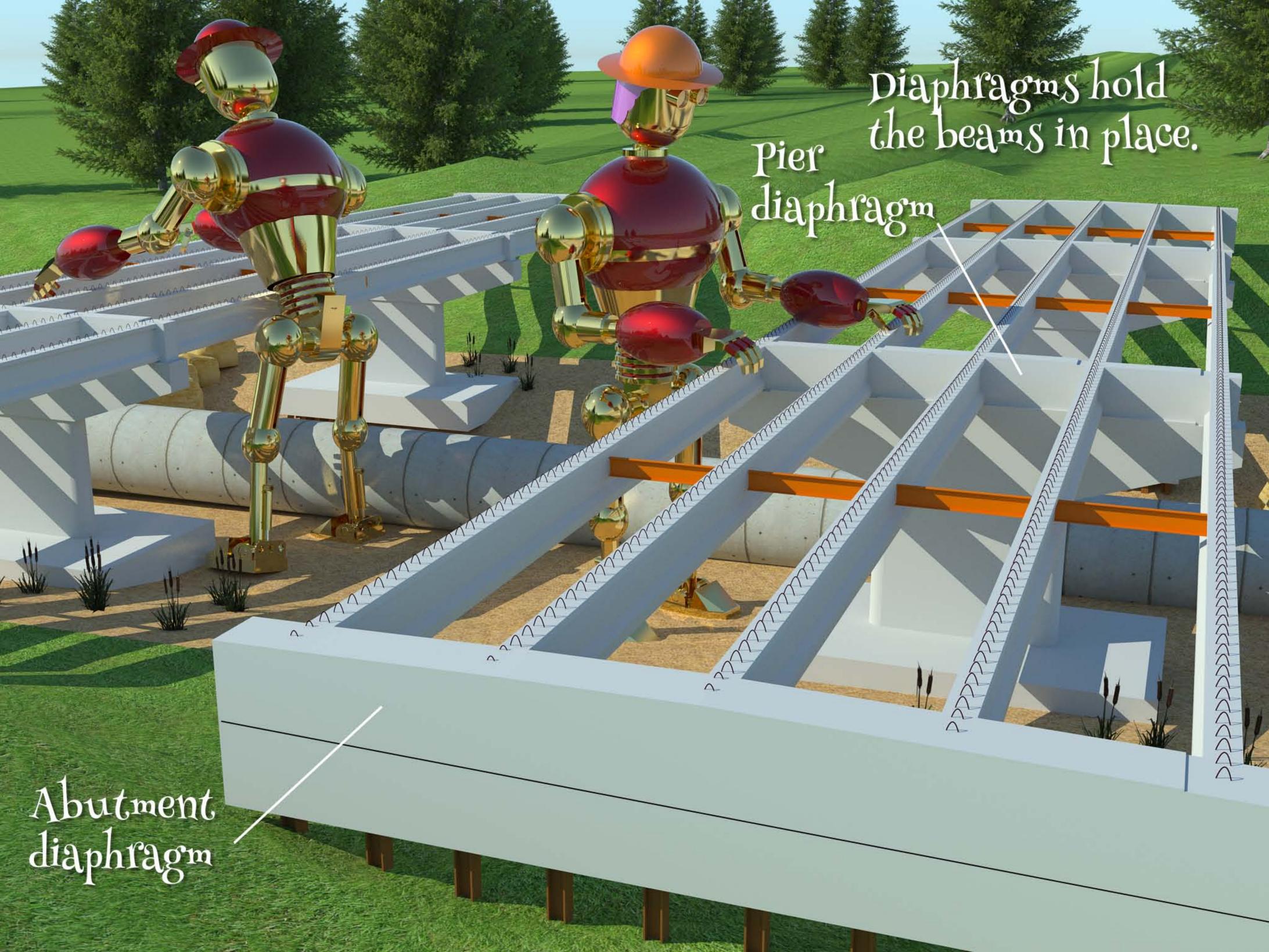


This is the bridge that Nieko is building. A typical highway bridge is three spans long, with beam span lengths of 60 feet to 180 feet! Time to add the superstructure to the bridge.



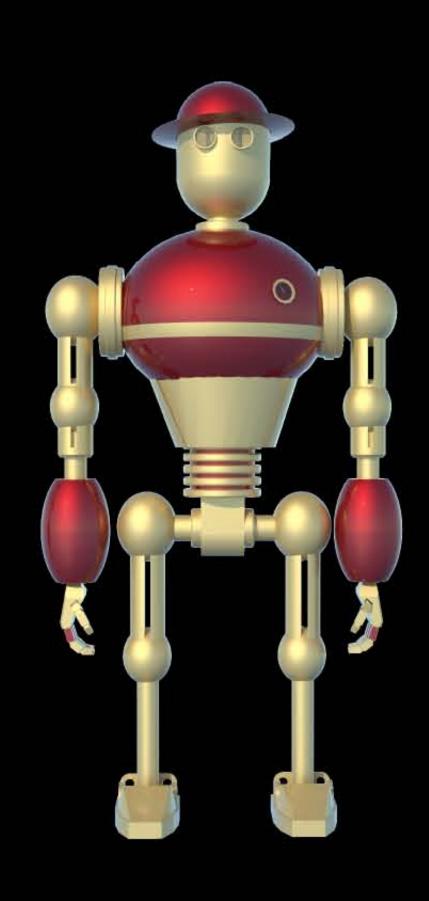






The bridge work is done in the river, so it is time to remove the cofferdam and let the river flow!

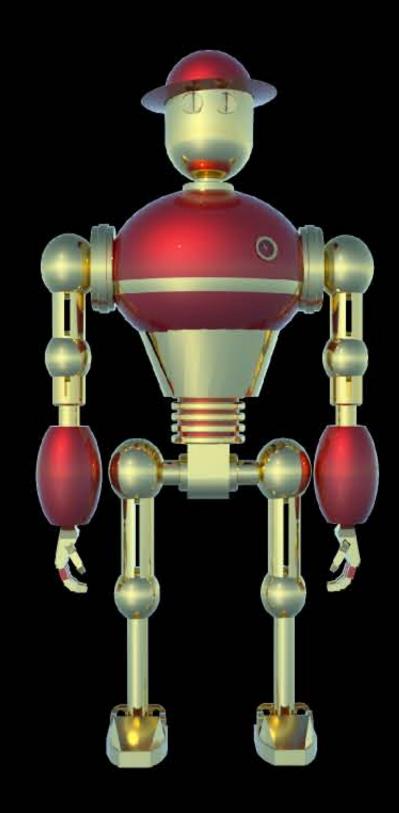
And it is time, for Nieko to take a break and recharge!

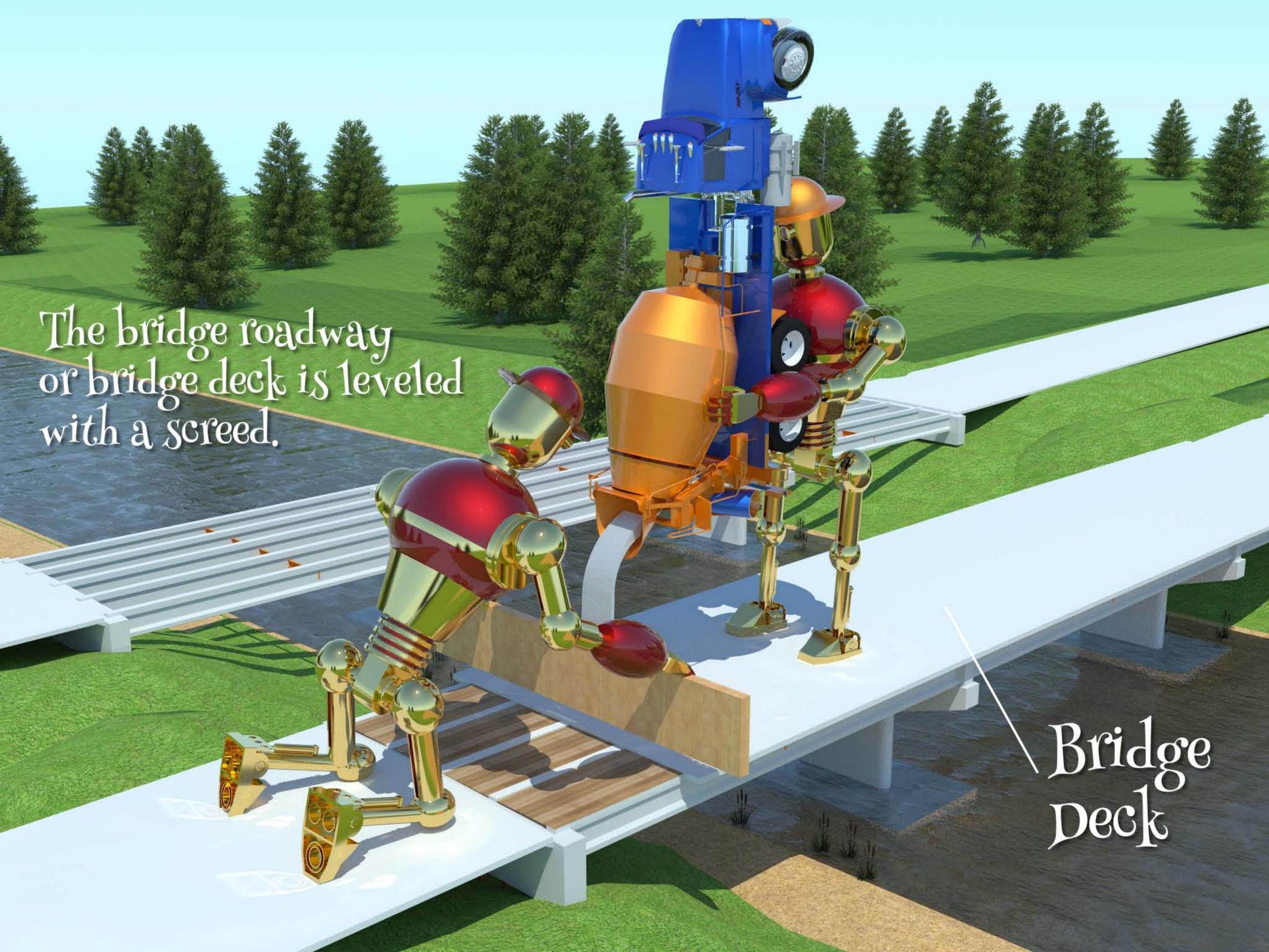




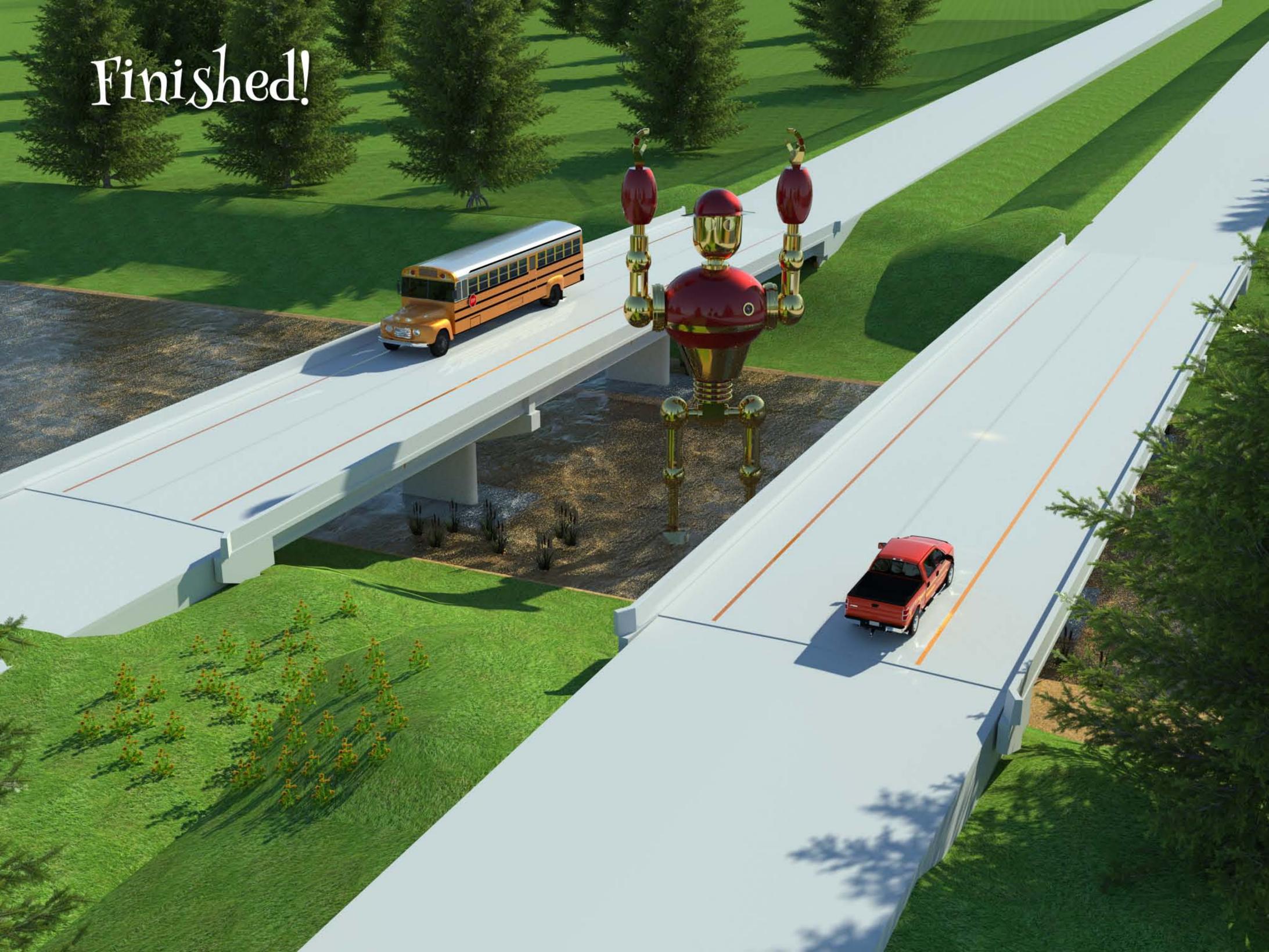


Back to work!



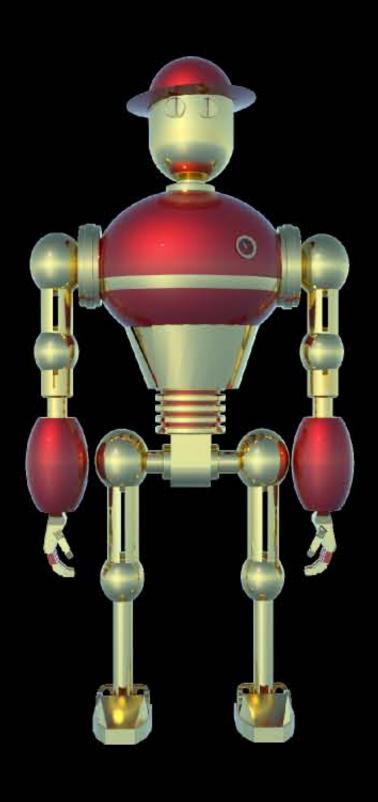




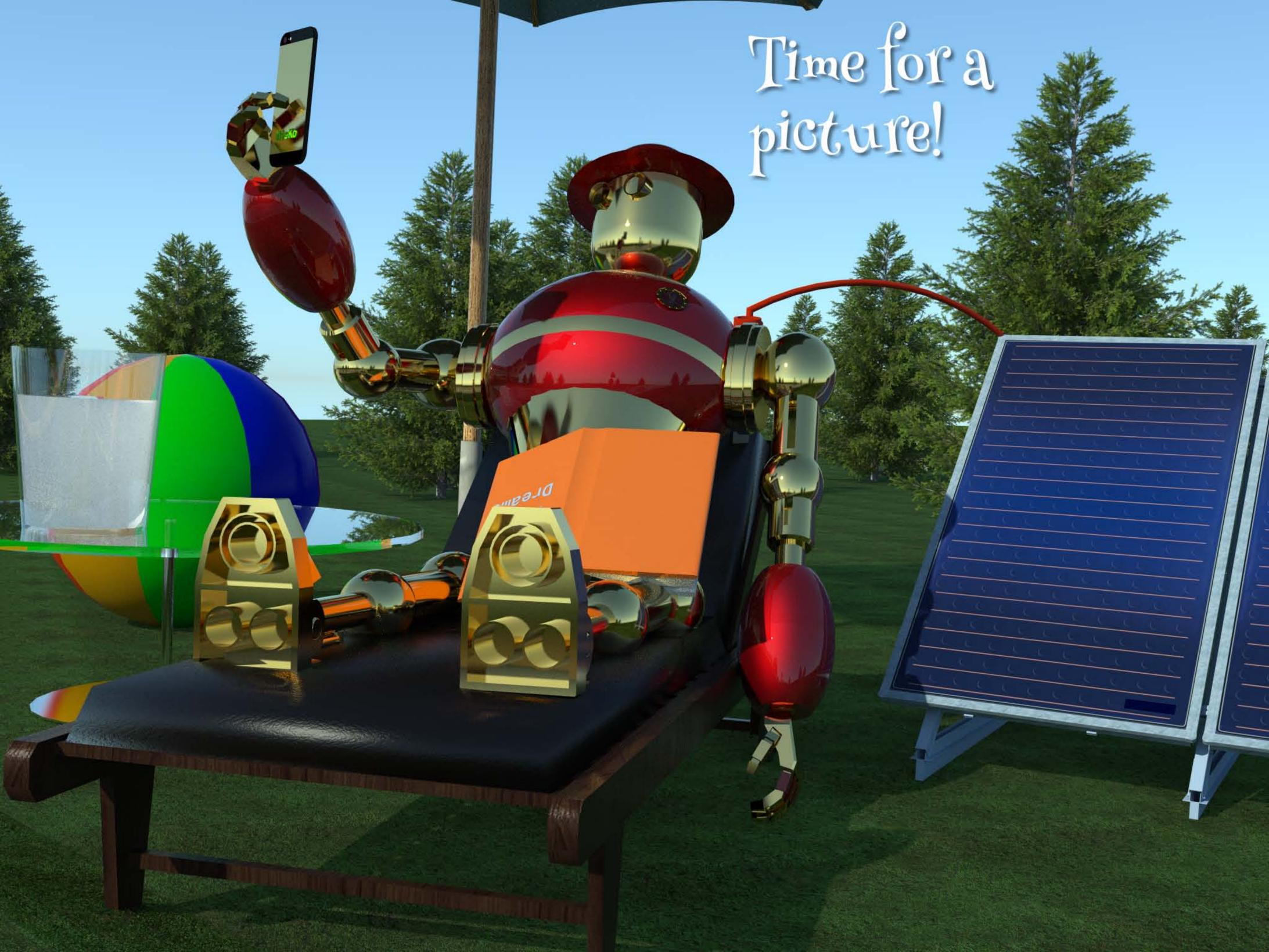


Thanks for visiting!

Bonus Material











Author/Illustrator

Stuart Nielsen is a professional bridge engineer, dedicated to building bridges and bridge building robots.

Go to www.NieKo.com for more bridge building robots!