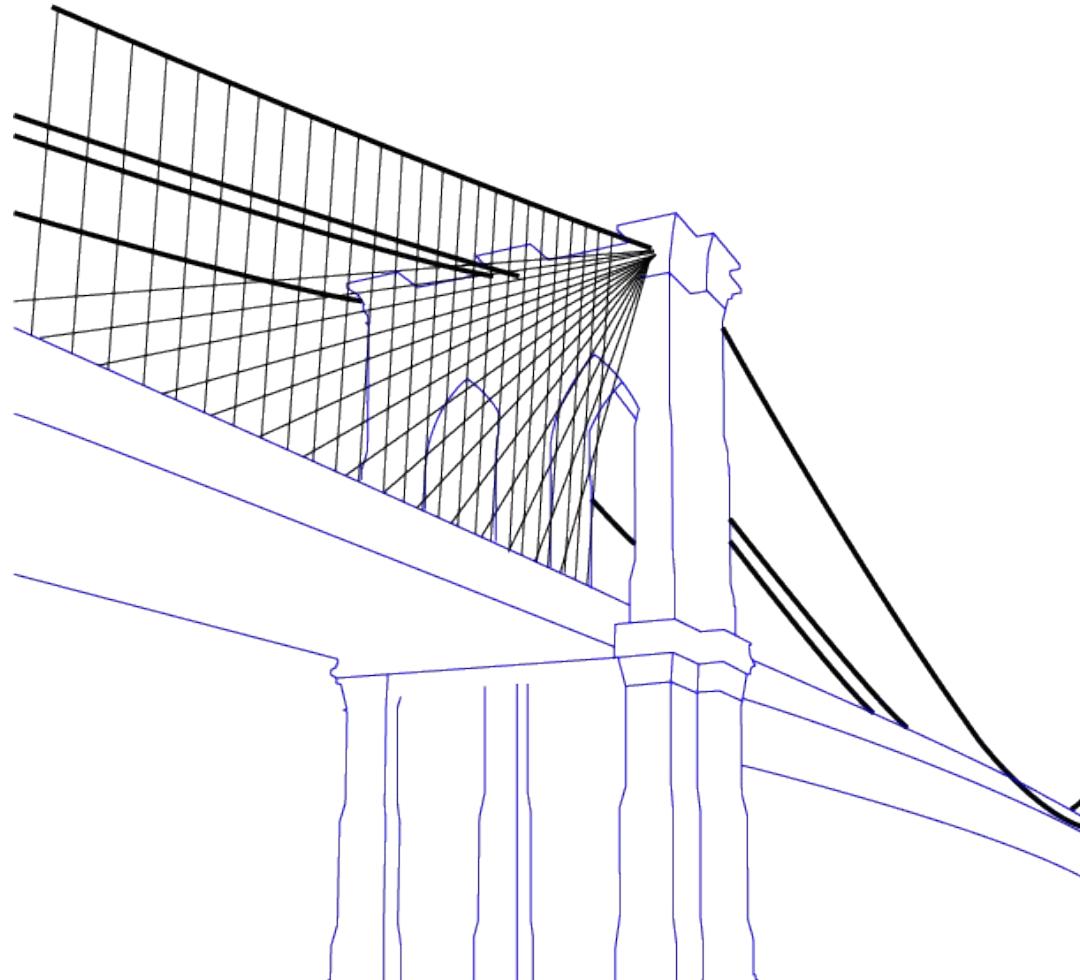


# brooklyn bridge

*Jason chen & Kevin fan*

# design

It is a hybrid **cable-stayed/suspension** bridge in New York City and is **one of the oldest bridges** in the United States. It has a main span of 1,595.5 feet (486.3 m) and was the **first steel-wire suspension** bridge constructed. The towers are built of limestone, granite, and Rosendale cement.



# route

car lane

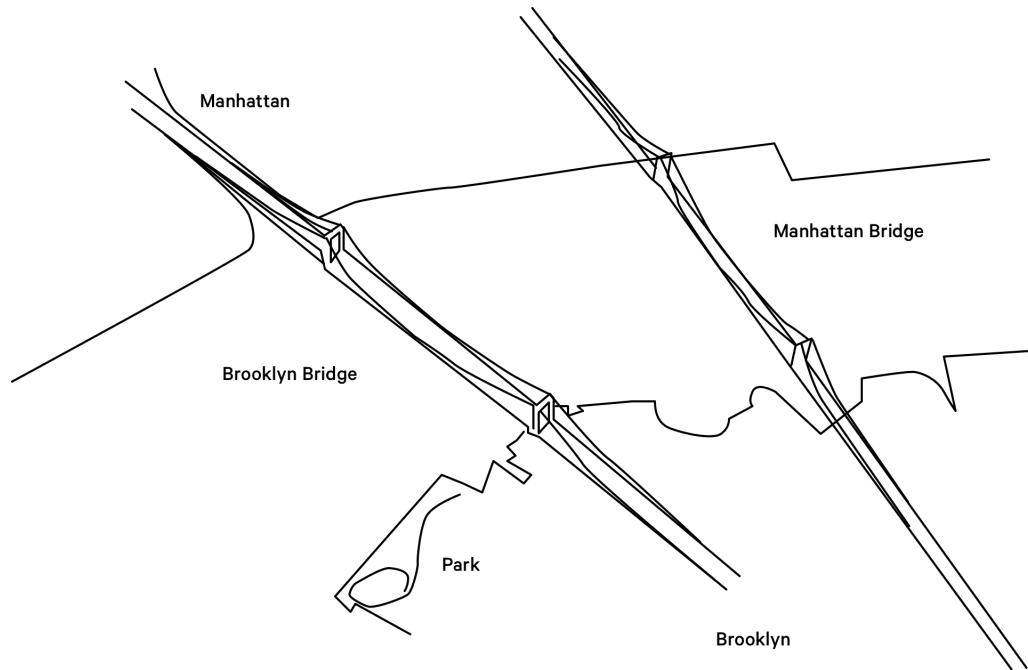


pedestrian

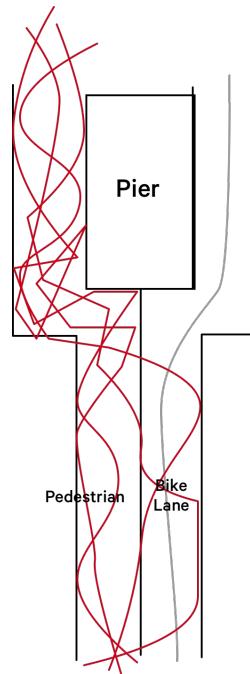


bike lane

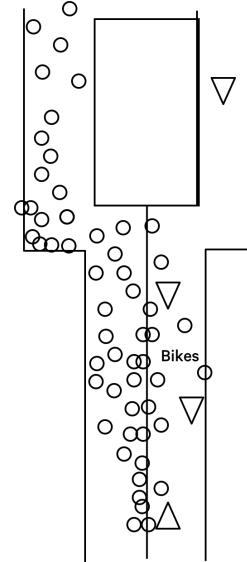
# mapping



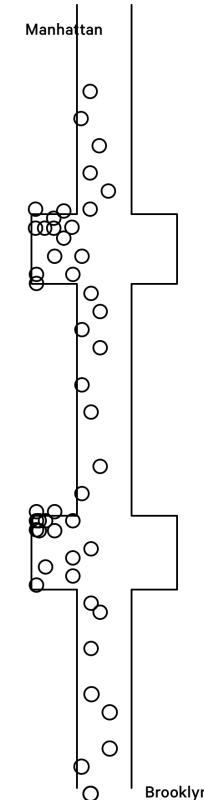
# mapping



flow



intensity



dynamics

# surroundings

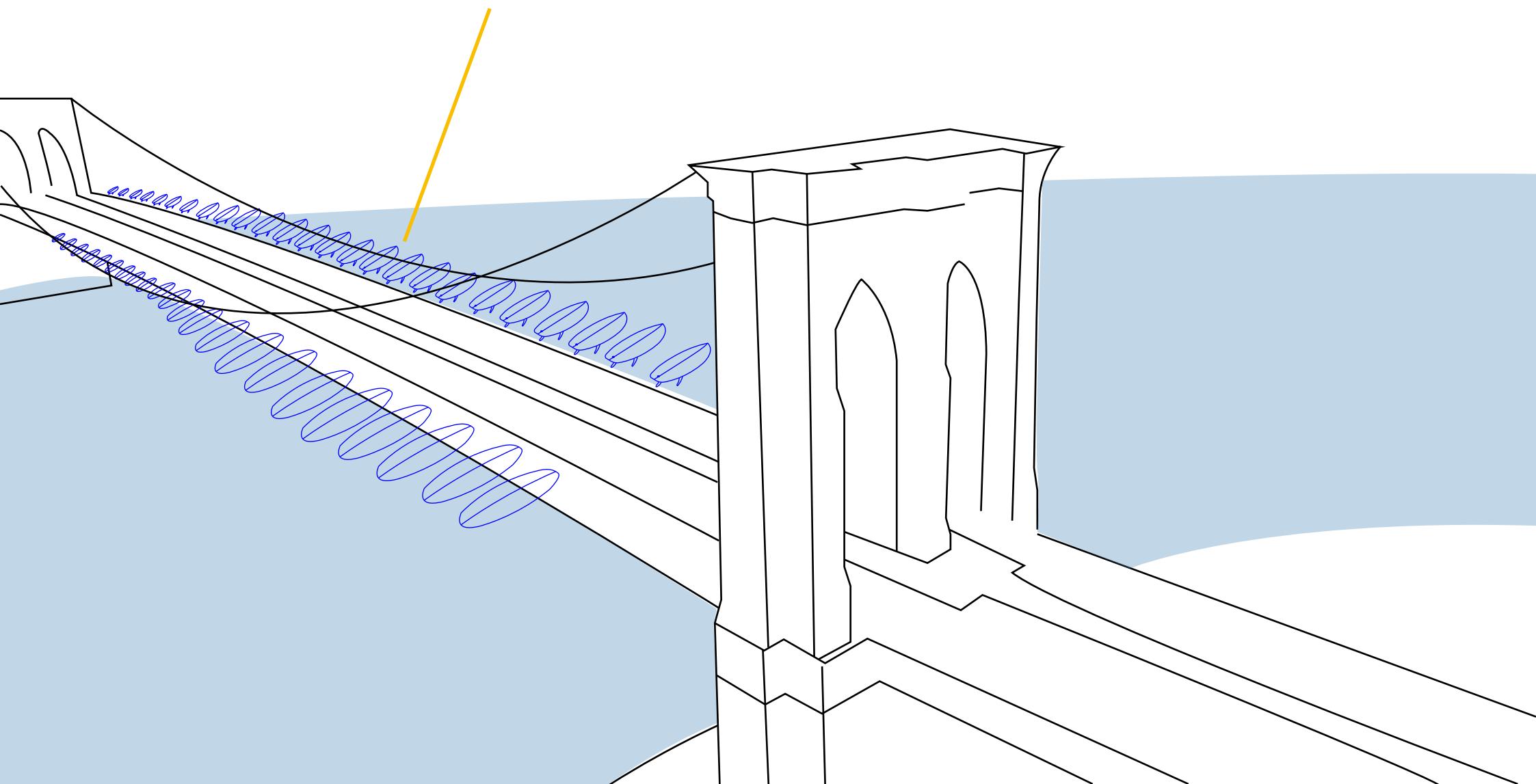




# Normal days

## Solar panel boards:

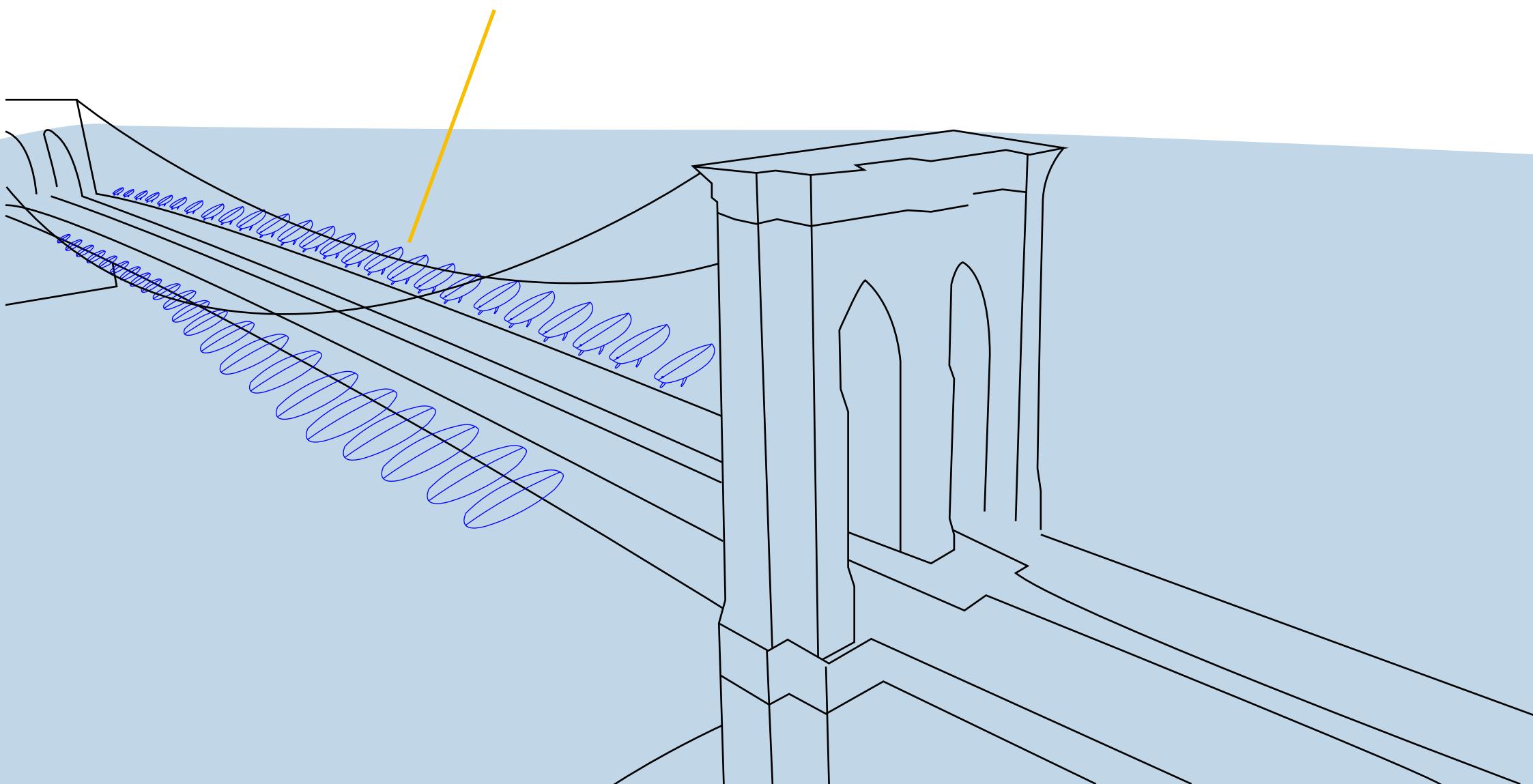
It can provide electricity for bridge use during the normal days.

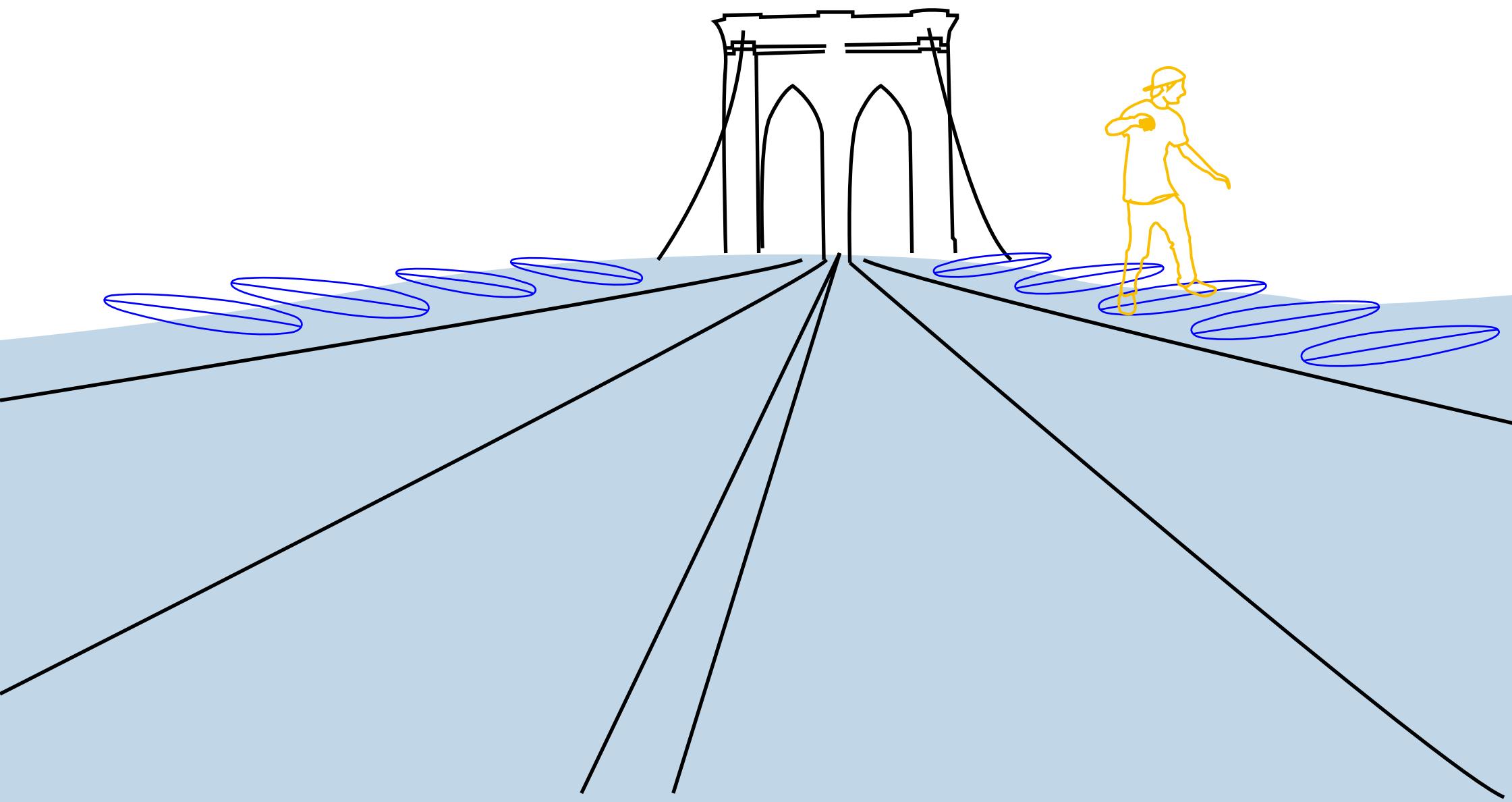


# When the flood occur

**Electronic surfboards:**

It become surfboards that people can rent it just like CITI bikes.



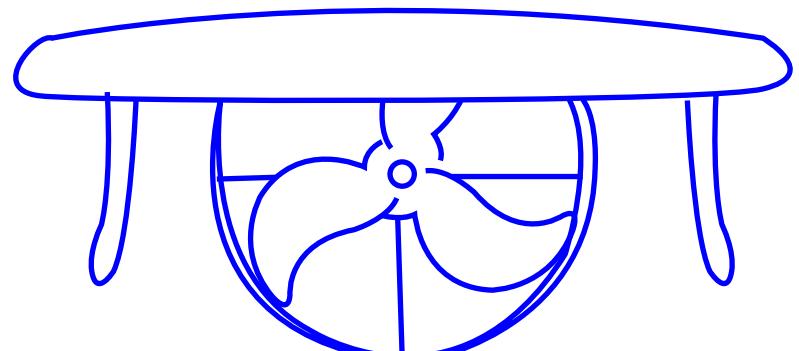




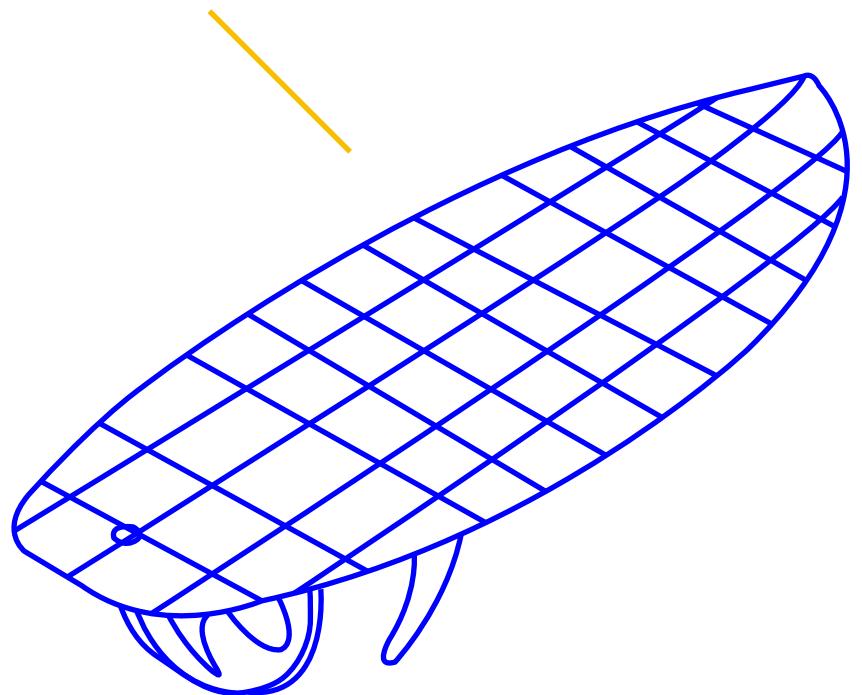
# Design Statement

I am exploring the Brooklyn Bridge since I want to speculate what if there will be flood damaging NYC in order to let people go across the East river as normal.

# The surfboard



Solar panel



Electronic turbine

# Prototype



