

Road Bridge Lift Monitoring Load Pin

Industry: Infrastructure

Summary

Customer Challenge

Road bridge lifts are specially constructed on roads or highways that intersect with water bodies such as rivers, canals, or harbors, allowing navigation to continue unimpeded. A force sensor system is needed to ensure the structural integrity of the bridge along with safe operation.

Interface Solution

Interface suggests installing their LP Stainless Steel Load Pins within the pulley's of the pulley system of the bridge. When the bridge is lifted, the LP's will detect the force implemented. Results are displayed for the customer using the 920i Programmable Weight Indicator and Controller.

Results

Interface's load pins and instrumentation successfully monitored the forces of the road bridge lift during its operation.

Materials

- Multiple LP Stainless Steel Load Pins
- Multiple 920i Programmable Weight Indicator and Controllers

How It Works

1. The LP Stainless Steel Load Pins are installed in the pulley's of the pulley system used to lift the vertical bridge.
2. Force data can be displayed when connected to the paired 920i Programmable Weight Indicator and Controllers, which will measure all three bridges.

