



# Tilikum Crossing Transit Bridge Portland, OR

**Work / Activity 1**  
Cohestrand® Stay Cables  
with Saddles

**Work / Activity 2**  
Technical Assistance



### Description of the work

In 2008, the Tri-County Metropolitan Transportation District of Oregon (TRIMET) entered in a contract with Kiewit Infrastructure West Co to build the Tilikum Crossing Transit Bridge, a concrete cable-stay bridge crossing the Willamette River in Portland, Oregon. The structure is a first of its kind in the U.S., the cable-stayed transit-only bridge will carry light rail trains, buses, pedestrians, bicyclists, and future streetcars. Named Tilikum Crossing, "Bridge of the People," the landmark bridge is the feature component and vital element of the Portland-Milwaukie Light Rail Transit Project to reduce congestion and provide efficient travel along the 7.3-mile light rail corridor. The bridge received the 2015 ASBI Bridge Award of excellence.

### Freyssinet Mission

Freyssinet supplied the Cohestrand® stay cable with saddles materials, damping systems, specialty equipment and full-time technical supervision for installing the stay cables and dampers. Crews were on site from March 2013 to July 2014. Freyssinet supplied multi-tube saddles that allow the stay cables to extend continuously thru the pylons to the deck anchorages. The stay cables vary in size from 31 feet up to 109 feet with 0.62" diameter strands per cable and up to 705 feet in length.

Freyssinet also performed in-place verification testing of damper efficiencies once bridge construction was complete.

**General Contractor :**

Kiewit Infrastructure West Co.

**Owner :**

Tri-County Metropolitan  
Transportation District of Oregon

**Subsidiaries :**

Freyssinet International

**Beginning of works :**

July 2012

**End of works :**

July 2014

