

Spokane St Swing Bridge Rehabilitation Program

Background

The Spokane St Swing Bridge is a critical crossing over the Duwamish Waterway, connecting West Seattle and Harbor Island with streets to SODO and Duwamish Valley neighborhoods, business districts, and Port of Seattle facilities.

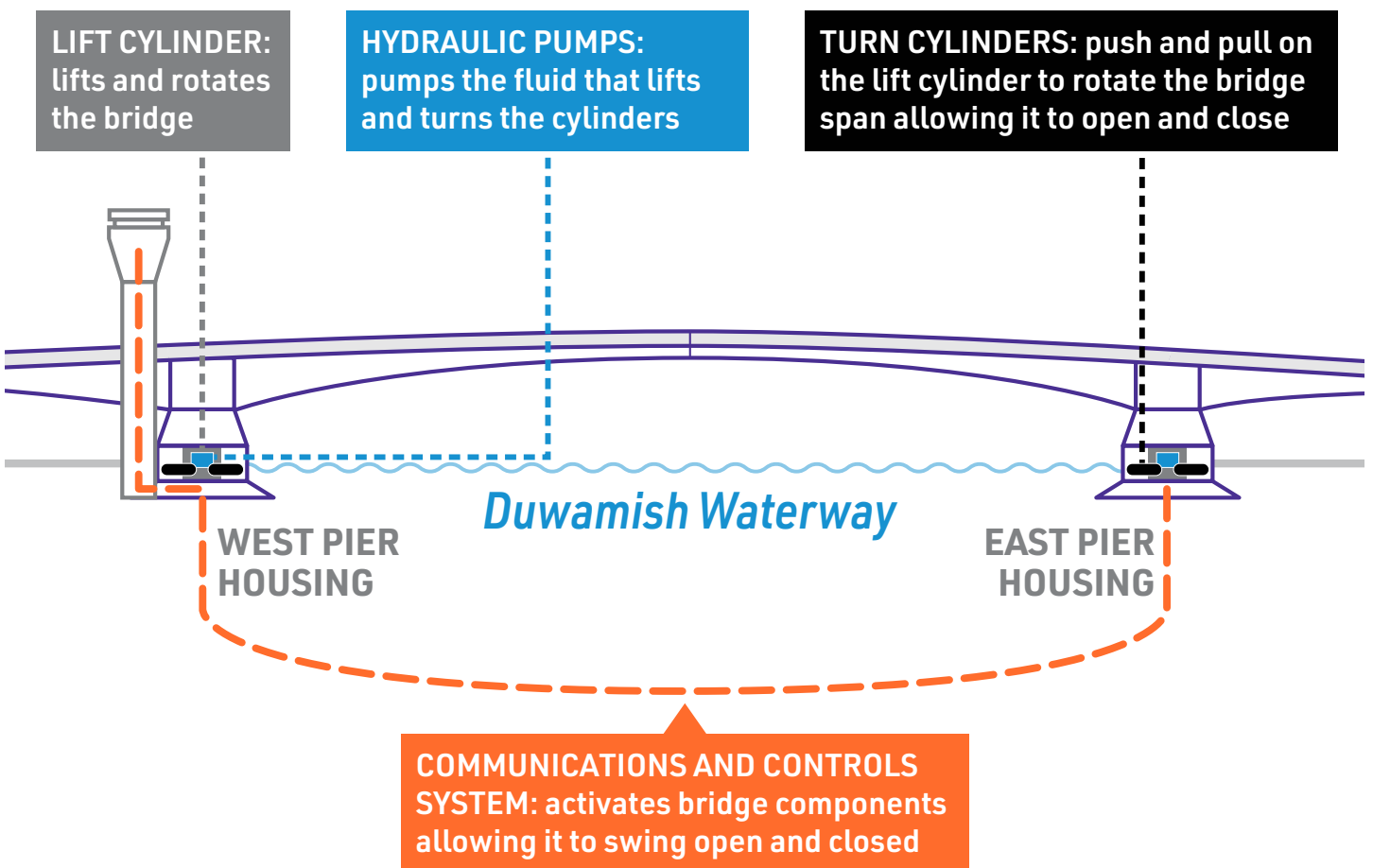
The bridge is made of concrete with two main spans (sides) that swing open for maritime vessels to pass through below. Each span rests on a pier, which houses the equipment and system allowing the bridge to swing open and closed.

About the work

We are proactively taking steps to preserve the bridge through a series of projects. This work will help make sure the bridge operates successfully for many years to come.



The Spokane St Swing Bridge is located below the West Seattle Bridge. It is a heavily used corridor for freight traffic going to Port terminals and a main connection for people biking and walking on the bridge's pedestrian path.



PROJECT WORK AND SCHEDULE	TRAVELERS IMPACTS
<p>Hydraulic pumps We're replacing hydraulic and electrical components in the swing bridge with refurbished and new components. We completed work on the west side of the bridge in May 2023 and will return later in the summer to work on the east side.</p> <p>Anticipated schedule: Late July 2023 Work is expected to take up to 4 days.</p>	<p>BRIDGE OPEN to people driving, walking, and biking on the bridge.</p> <p>SINGLE SPAN (SIDE) OPENINGS to maritime vessels on the Duwamish Waterway.</p>
<p>Turn cylinders We're installing the repaired turn cylinder that we removed in January 2023. We'll then remove and refurbish the remaining turn cylinder on the east side. This process will continue until all four turn cylinders are refurbished.</p> <p>Anticipated schedule: Late summer 2023 Work is expected to take up to 7 days.</p>	<p>BRIDGE CLOSED to people driving, walking, and biking on the bridge.</p> <p>BRIDGE PARTIALLY OPEN to maritime vessels on the Duwamish Waterway. The west side will be fully open and the east side will be partially open.</p>
<p>Lift cylinders We're currently refurbishing a lift cylinder and will swap it with the lift cylinder operating now in the bridge. We'll then refurbish the other lift cylinder and store it as a back-up in the future.</p> <p>Anticipated schedule: Fall 2023 Work is expected to take up to 5 days.</p>	<p>BRIDGE CLOSED to people driving, walking, and biking on the bridge.</p> <p>BRIDGE OPEN to maritime vessels on the Duwamish Waterway.</p>
<p>Controls and communications system The system is currently connected to the West Seattle Bridge and will be relocated underground below the Duwamish Waterway.</p> <p>Anticipated schedule: Late 2023 Work is expected to take up to 5 days.</p>	<p>The first 3-4 working days: BRIDGE OPEN to maritime vessels on the Duwamish Waterway.</p> <p>BRIDGE CLOSED to people driving, walking, and biking on the bridge.</p> <p>The final 1-2 working days: BRIDGE CLOSED to all travelers.</p>

Detours

When the bridge is closed to traffic, people driving can use the West Seattle Bridge. People walking and biking should plan ahead to detour south to the 1st Ave S Bridge, take King County Metro buses using the West Seattle Bridge, or take the West Seattle Water Taxi.

PROJECT INFORMATION & CONTACT

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Seattle
Department of
Transportation