



Fact Sheet

June 2024

NE 45TH ST PEDESTRIAN BRIDGE SEISMIC PROJECT

Investing in bridge infrastructure to increase seismic resiliency

BACKGROUND

It's important to make sure our bridges are ready for anything - especially earthquakes. This is why the City of Seattle has a program to retrofit bridges! Our Bridge Seismic program figures out which bridges are most at risk for damage from earthquakes. Then, with money from the Levy to Move Seattle, we update bridge components through changes called **seismic retrofitting**. There are currently 16 bridges that will receive seismic retrofits, including the NE 45th St Pedestrian Bridge.

PROJECT OVERVIEW

The NE 45th St Pedestrian Bridge is an older bridge, and it does not meet current seismic standards for bridges. During the seismic retrofit, we'll reinforce the existing structure of the bridges. Doing this will help them better withstand the potential impacts of an earthquake. Most of the work will take place underneath the bridge. The project will not affect the architectural features of the bridge, and there will be no change to the current use or operation of the bridge.

We have selected a contractor for the NE 45th St Pedestrian Bridge seismic improvements and are finalizing our contract with them. Once our contractor is fully onboarded, we will share more details about our what to expect during construction.

SEISMIC RETROFIT MODIFICATIONS

Seismic modifications to the NE 45th St Pedestrian Bridge include:

- Installing carbon fiber wrapping to strengthen the bridge's beams and superstructure
- Strengthening foundations with reinforced concrete
- Repairing damaged shear key at the south abutment

PROJECT AREA

The NE 45th St Pedestrian Bridge provides a direct connection across NE 45th St at 47th Ave NE to and from the Laurelhurst Playfield for the Laurelhurst neighborhood.

CONSTRUCTION SCHEDULE AND IMPACTS

Construction will begin as soon as mid-June 2024 and last approximately 4-5 months. During construction, people can expect:

- A full closure of the bridge during construction, so work can be done more safely and efficiently
- Detours for people walking, biking, and rolling.
- Temporary sidewalk and crossing closures for people walking and rolling with detours
- Noise, dust, vibrations, and construction equipment staged on the bridge and in the area
- Temporary on-street parking restrictions, with "no park" signs placed 72 hours in advance
- Typical weekday work hours of 7 AM – 5 PM, Monday through Friday

Construction duration and activities are subject to change. **The best way to stay up to date with construction is by signing up for email updates on our webpage!**

This project is funded by the 9-year Levy to Move Seattle, approved by voters in 2015. Learn more about the levy at www.seattle.gov/LevytoMoveSeattle.

PROJECT INFORMATION & CONTACT

Caryn Walline, Community Outreach Lead
<https://www.seattle.gov/transportation/projects-and-programs/bridges-stairs-and-other-structures/bridges/ne-45th-st-pedestrian-bsr>
BridgeSeismicRetrofit@seattle.gov | (206) 775-8734

The Levy to

MOVE SEATTLE



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Department of
Transportation