FACT SHEET

W HOWE ST BRIDGE PROJECT - SEISMIC RETROFIT

Investing in bridge infrastructure to increase resiliency

BACKGROUND

Seismic events, like earthquakes, could have a significant detrimental effect on Seattle's infrastructure. To address seismic risks to city infrastructure, the City of Seattle established a bridge seismic retrofit program to assess the seismic vulnerability of the City's bridges and to prioritize limited funding to reduce this vulnerability.

As part of the Levy to Move Seattle (www.seattle.gov/LevytoMoveSeattle), 16 bridges were selected for seismic retrofits, including the W Howe St Bridge.

PROJECT OVERVIEW

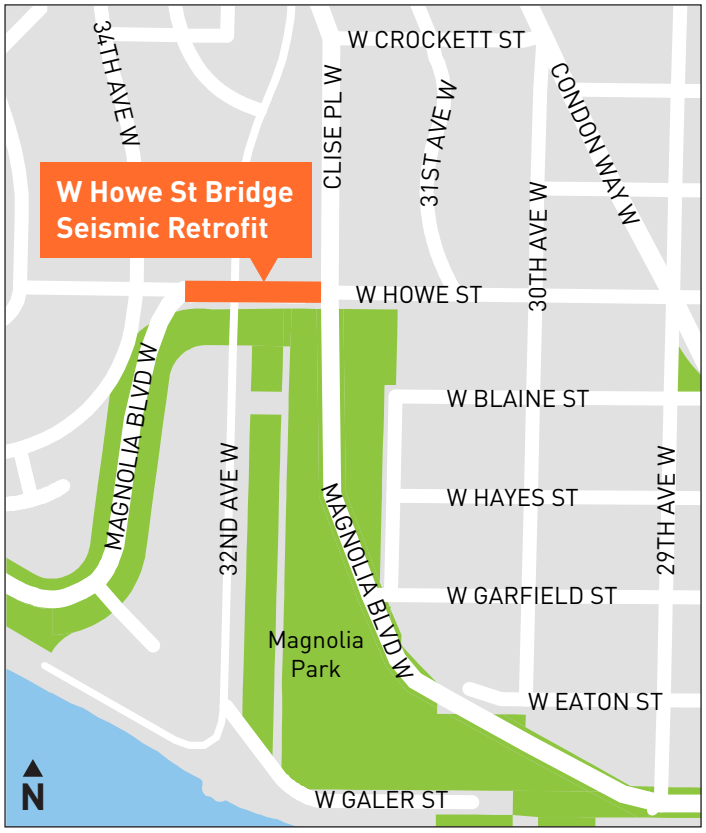
The W Howe St Bridge is an older bridge constructed in 1981 prior to the modern seismic design code. The planned seismic retrofits include several modifications to seismically strengthen existing bridge components and reduce overall vulnerability during a seismic event.See figure on reverse for construction elements.

CONSTRUCTION IMPACTS

We will be in touch with the nearby community to make sure everyone knows what to expect during construction. At this time we anticipate:

- Intermittent delays or detours for people walking,biking, and driving across the bridge
- Likely closure of the staircase providing access from W Howe St to 32nd Ave W to safely separate people and the work site, with detours posted in advance
- 32nd Ave W being restricted to 1 lane of traffic with a flagger during working hours. 2 lanes of traffic will be available during non-working hours.
- Construction equipment will be staged under the bridge at 32nd Ave NW, along Magnolia Blvd on the west side of the bridge, and the north entrance of the Magnolia Park parking lot

PROJECT MAP



W Howe St Bridge Seismic Retrofit map

- Staged equipment may temporarily block parking lot entrances, bike lanes, and sidewalks while we move equipment and materials
- 2-3 weeks of nighttime full-bridge closures (11PM-5AM) to safely replace the bridge bearings. We will post detours and notify nearby homes 72 hours in advance before work begins.
- Noise, dust, and vibrations. We will monitor bridge vibrations and minimize noise as much as possible.

PROJECT INFORMATION & CONTACT
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www.seattle.gov/transportation/w-howe-st-bridge

Seattle Department of Transportation

The Levy to MOVE SEATTLE

SCHEDULE

We are in final design for these seismic retrofits with construction anticipated to begin as soon as summer 2019 and last 11 months. The schedule is weather-dependent and subject to change.

FUNDING

This project is funded through the Levy to Move Seattle (www.seattle.gov/LevytoMoveSeattle) with a total project estimate of $4.2 million. Approved by voters in 2015, the 9-year, $930 million Levy provides funding to improve safety for all travelers, maintain our streets and bridges, and invest in reliable, affordable travel options for a growing city.

Strengthen existing braced frames, critical connection points, and existing column anchors at the footing

Replace end of bridge bearings; stabilize support beams at the end of the bridge with support beam caps and catcher blocks

Restore disturbed landscaping