

# Alaskan Way Viaduct REPLACEMENT PROGRAM



April 2014

The machine digging the State Route 99 tunnel will pass beneath the Alaskan Way Viaduct near Yesler Way, in Seattle's Pioneer Square neighborhood. The Washington State Department of Transportation will close the viaduct for one to two weeks while the machine digs beneath the structure's foundation.

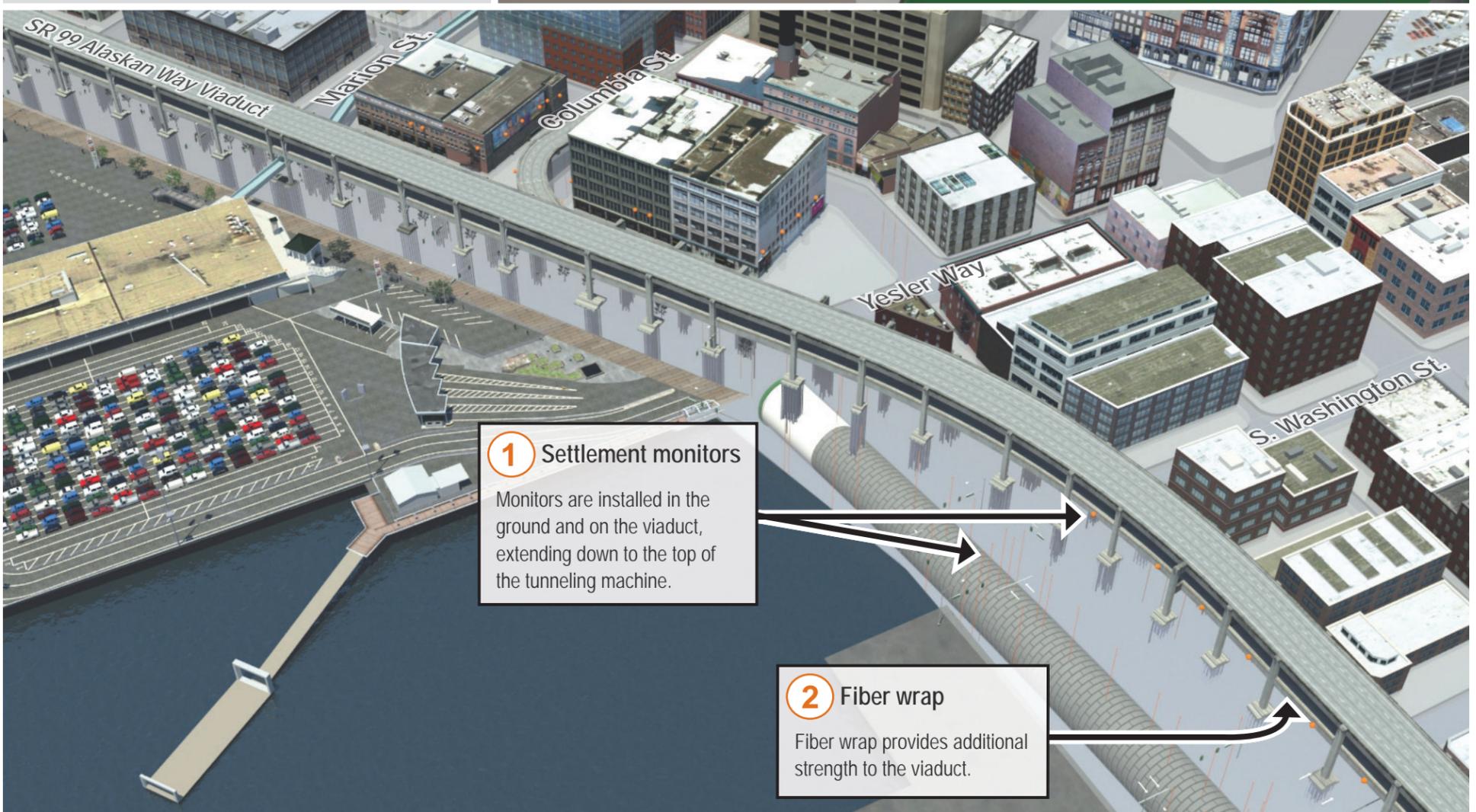
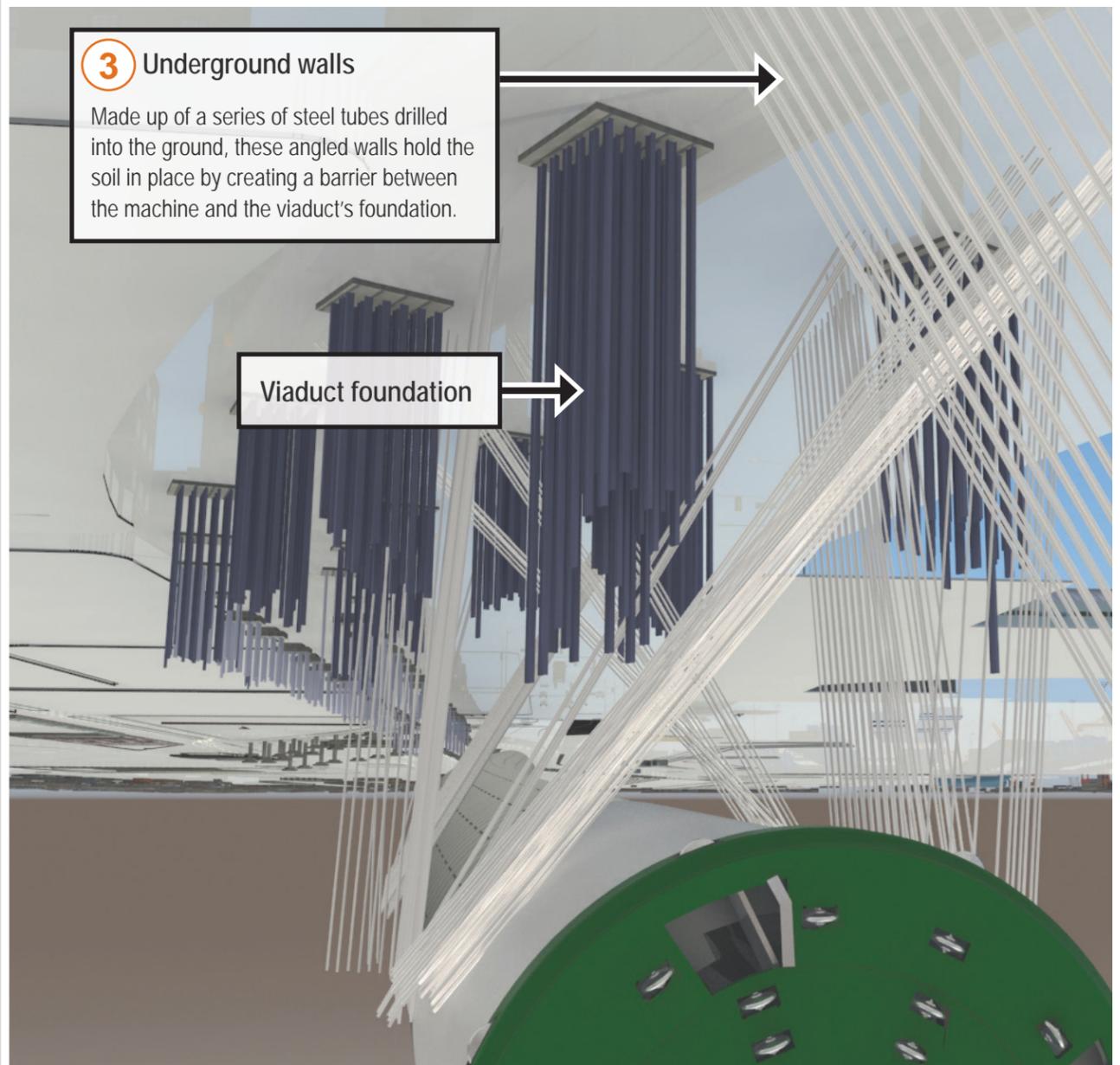
The viaduct was designed and built to withstand some settlement, and WSDOT has reinforced the structure and strengthened the ground beneath its foundations to protect it during tunneling. Temporarily removing traffic from the viaduct while we tunnel beneath it will enable crews to monitor the structure more closely and act quickly to mitigate any settlement that may occur during this section of the tunnel drive. The short-term inconvenience of closing the viaduct will help us preserve it until we shift SR 99 traffic to the tunnel.

## Protecting the viaduct

WSDOT has implemented a comprehensive program to monitor and mitigate settlement as the machine digs under the viaduct, including:

- 1 Outfitting the viaduct and the ground below it with instruments designed to detect the slightest ground movement.
- 2 Wrapping reinforcing fiber around this section of the viaduct to provide additional strength.
- 3 Installing underground support walls to hold the soil in place beneath this section of the viaduct's foundation.

## Tunneling beneath the State Route 99 Alaskan Way Viaduct



Visit the website at: [www.AlaskanWayViaduct.org](http://www.AlaskanWayViaduct.org) | Call the hotline at: 1-888-AVV-LINE (298-5463) | Follow @BerthaDigsSR99