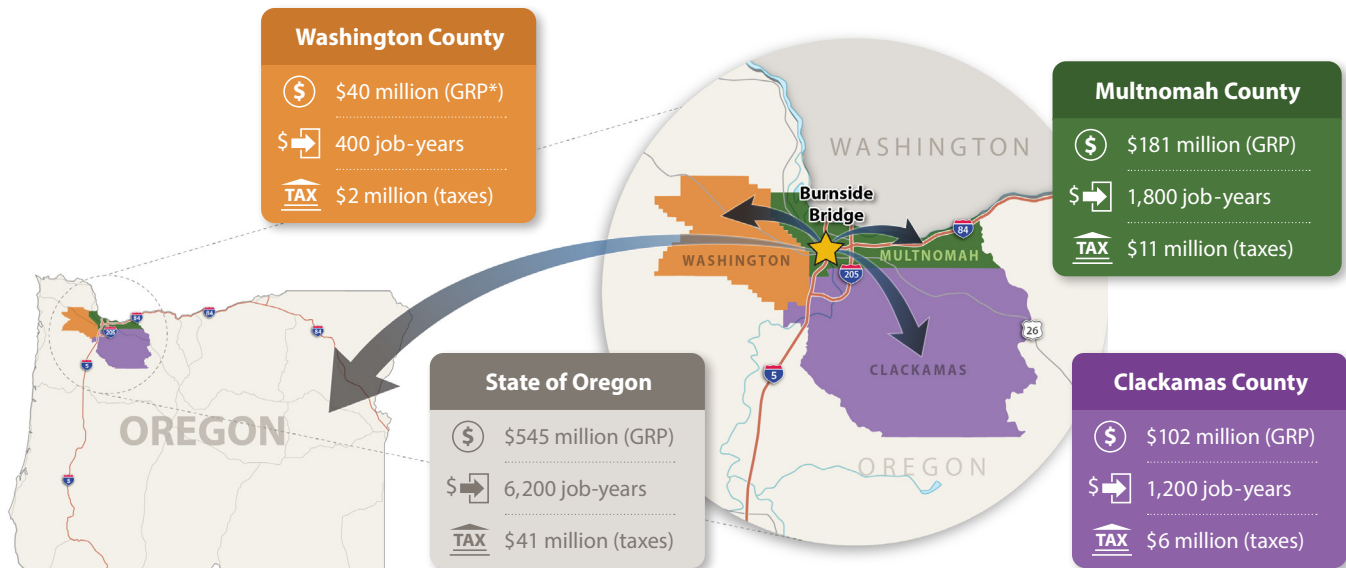
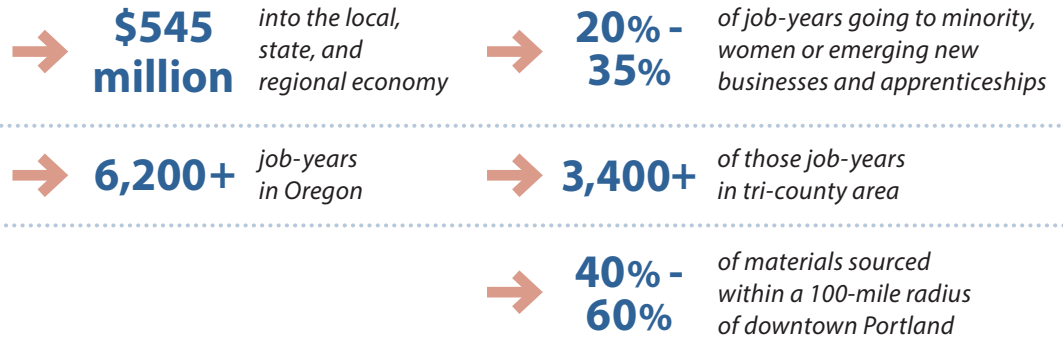


# Earthquake Ready Burnside Bridge will help our community and economy

## Equitable Jobs and Economic Stimulus

The Earthquake Ready Burnside Bridge will bring thousands of revenue-generating jobs, provide safer active transportation options for commuters and be our lifeline after the earthquake.



\* GRP = Gross Regional Product

Data: Earthquake Ready Burnside Bridge IMPLAN Analysis, 2022

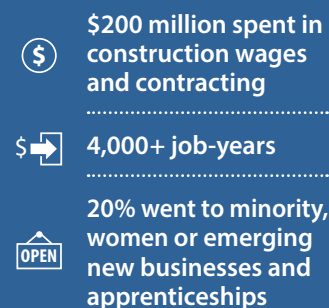
## A Smart Investment

None of Multnomah County's aging downtown bridges are expected to withstand a major earthquake. Located on a regional lifeline route, a new Burnside Bridge is our best option for having at least one seismically resilient bridge in downtown Portland within the next ten years.

- Replacing the bridge now would **save over \$460 million in future costs** from recurring maintenance, repairs, and rehabilitation over the next fifty years.<sup>1</sup>
- Investing in seismic resiliency could **lessen the economic losses of a disaster by 10-24 percent** (depending on the level of investment to the system).<sup>2</sup>
- Every \$1 spent pre-disaster** on preparedness **saves \$6 post-disaster**.<sup>3</sup>

## The County has a history of successfully delivering projects and providing equitable jobs

### Sellwood Bridge Replacement (2014-2017)



### Multnomah County Courthouse (2017-2020)



<sup>1</sup> FY2022 Bridge Investment Program Application for the Earthquake Ready Burnside Bridge Project, August 9, 2022.

<sup>2</sup> Estimated Economic Value of an Investment Program to Mitigate Impacts of a Major Seismic Event Using the Oregon Statewide Integrated Model, Knudson & Bettinardi. 2013.

<sup>3</sup> 2012-2013 Oregon Seismic Safety Policy Advisory Commission, The Oregon Resilience Plan, February 2013.

## Earthquake Ready Burnside Bridge will help our community and economy

There is a **1 in 3 chance** of a **magnitude 8+ earthquake** hitting Oregon in the next **50 years**.<sup>4</sup> Of the 9 downtown bridges, carrying 44 lanes of traffic, none are expected to be immediately usable following a major earthquake.

### Were a major earthquake to occur today:



Thousands of Oregonians would die, and **economic losses** would be at least **\$32 billion**.<sup>5</sup>



Roughly 70% of businesses are likely to be forced into temporary closure, affecting over **750,000 jobs**.<sup>6</sup>



Each month businesses are closed, will result in over **\$4.3 billion in lost income** in the region.<sup>6</sup>

### Earthquake devastation could lead to...

**0 downtown bridges** immediately usable after major earthquake



**Up to 16,700 expected injuries and fatalities**<sup>7</sup>  
(in Multnomah County alone)  
Up to 27,000 in tri-County area



**\$20.5B in building damages**<sup>7</sup>  
(in Multnomah County alone)  
255,566 buildings damaged MultCo /  
615,852 tri-county



**Millions in business income lost** by not having a usable downtown bridge



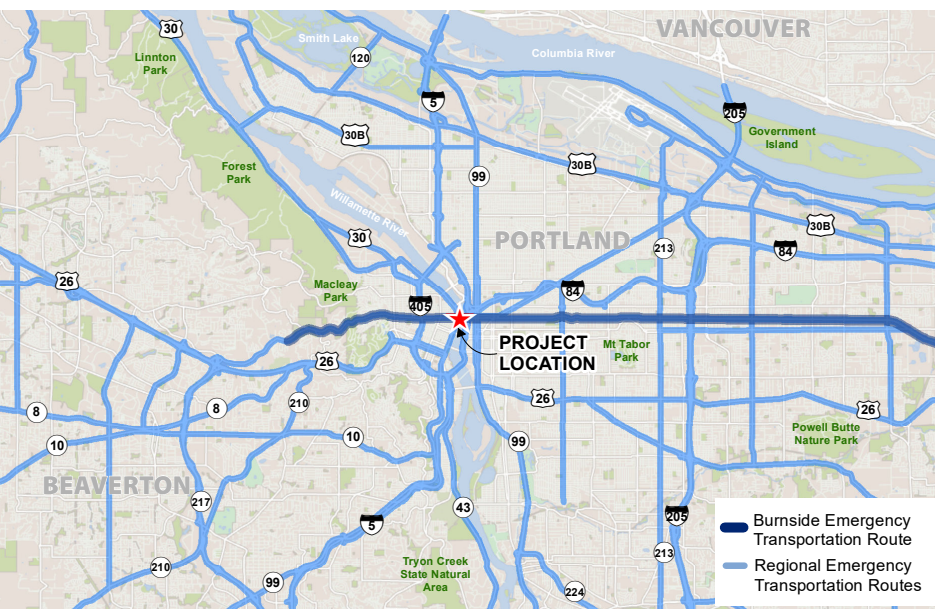
### A resilient Burnside Bridge will provide...

**1 bridge** with 4 vehicle lanes and 2 bike/ped paths

**Immediately usable route** over the river for emergency response, evacuation and delivery to hospitals

**A critical resource** for recovery, debris hauling and rebuilding

**Reduction of \$240M in business income loss** by having a resilient bridge after the earthquake<sup>1</sup>



### The Burnside Street lifeline route is one of the most dependable emergency routes in the region

due to the lack of overpasses that could collapse and block passage. A new Burnside Bridge, next to Portland Fire Station #1, will be instrumental in providing immediate life-saving emergency response, accelerating disaster relief efforts, and significantly improving regional economic recovery.

### Equity: A resilient Burnside Bridge will support our most vulnerable populations



The Bridge is located within Census Tracts that meet USDOT's definition of Historically Disadvantaged Communities or Areas of Persistent Poverty.

The region's highest concentration of social service providers is located at the west end of the bridge, who serve a population that is most vulnerable to disaster.

<sup>4</sup> Goldfinger, et. al. Turbidite Event History—Methods and Implications for Holocene Paleoseismicity of the Cascadia Subduction Zone: U.S. Geological Survey Professional Paper 1661–F, 170 p. 2012.

<sup>5</sup> The Oregon Resilience Plan, February 2013.

<sup>6</sup> 2020 EcoNorthwest Study Economic Analysis of CSZ Earthquake.

<sup>7</sup> DOGAMI: Earthquake Regional Impact Analysis for Clackamas, Multnomah and Washington Counties. March 2018.