

I-5 STRUCTURAL REPAIR AND MAINTENANCE

PLANNING FOR CONSTRUCTION

I-5 through the Rose Quarter is aging and needs repairs. The roadway surface has surpassed its 25-year lifespan and shows its age with an increasing number of ruts, cracks and potholes from heavy use.

We will repair and strengthen weak areas, replace bridge joints, resurface the concrete deck and repaint lane lines on the highway.

WE EVALUATED THREE APPROACHES TO REPAIRING I-5:

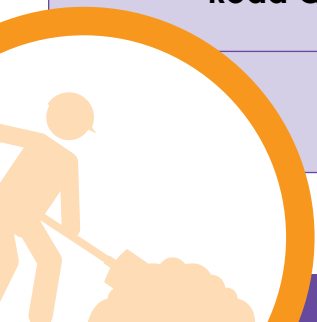
- ▶ **Single-lane closures:** Full-time closures of one lane of I-5 at a time
- ▶ **Weekend directional closures:** Multiple weekend-only closures of one direction of I-5 (Friday night through Monday early morning)
- ▶ **Continuous directional closure:** Full-time closure of one direction of I-5

A **continuous directional closure** was selected as the safest, shortest duration and most cost-effective closure option, resulting in the best road quality.

EVALUATION OF CLOSURE OPTIONS:

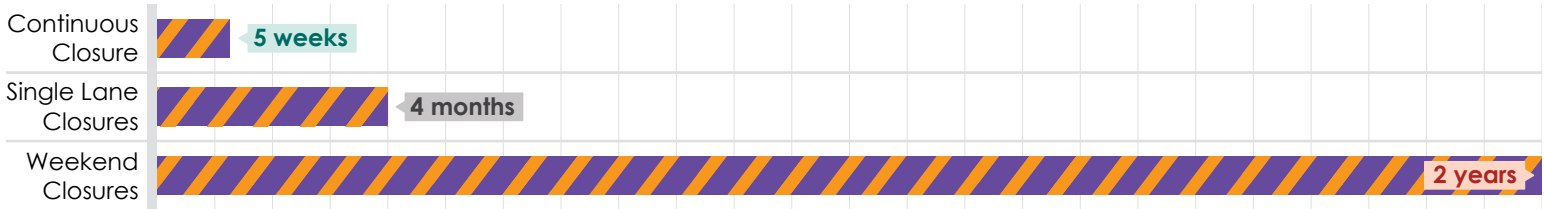
	Single Lane Closures	Weekend Directional Closures	Continuous Directional Closure
Construction Duration	●	○	●
Safety	○	●	●
Road Quality	○	●	●
Cost	●	○	●

● Best ● Average ○ Worst



CONSTRUCTION DURATION AND IMPACTS

I-5 is a major travel route through Portland. Construction of this magnitude will result in increased congestion in the area. While there's no way to completely avoid disruption, the continuous directional closure completes construction in the shortest amount of time.



WORKER AND PUBLIC SAFETY

I-5 in the work area has narrow shoulders and only two travel lanes.

The narrow width of I-5 through this section does not provide sufficient room for traffic while also installing a safety barrier to separate the workers from moving vehicles.

The continuous closure and weekend closures options separate workers and traffic, creating safer conditions for everyone.



ROAD QUALITY

The continuous directional closure allows us to pour concrete in the least number of pours, creating the most resilient and long-lasting roadway.

Completing the concrete overlay work in pieces over weekend closures results in seams (also called joints) between concrete pours that are vulnerable to freeze-thaw conditions. Single-lane closures leave the concrete exposed to traffic vibrations as it cures. Both of these conditions reduce the longevity of the highway surface.

COST

The continuous directional closure allows the contractor to maximize work time and complete the deck overlay all at once. This closure option avoids stopping and starting construction over an extended period of time, reducing costs by up to \$9 million compared to other options.

Continuous Single Lane Weekend

STAY INFORMED

Visit www.i5rosequarter.org or scan the QR code below to learn more and sign up for email/text updates.

Get real-time traffic updates:

TripCheck.com

Contact ODOT:

i5RoseQuarter@odot.oregon.gov

Noise hotline: (503) 276-7808



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Si desea obtener información sobre este proyecto traducida al español, sírvase llamar al 503-731-4128.

Nếu quý vị muốn thông tin về dự án này được dịch sang tiếng Việt, xin gọi 503-731-4128.

Если вы хотите чтобы информация об этом проекте была переведена на русский язык, пожалуйста, звоните по телефону 503-731-4128.

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