



City of Sherwood Highway 99W Bicycle & Pedestrian Crossing

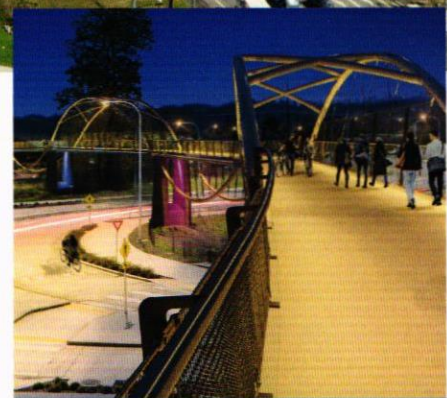
This new bridge connects the City of Sherwood's existing bike and pedestrian infrastructure to Sherwood High School and the future Sherwood West development on the opposite side of busy Highway 99W. The bridge spans across the highway, Elwert Rd., Kruger Rd., and two adjacent greenspaces.

The bridge's distinctive design consists of alternating high arch and inverted arch trusses with extensive decorative and safety lighting. On-grade approaches were designed to blend in effectively with the City's infrastructure and meet all ADA requirements.

Structural & Civil Engineering, Surveying, Project Management, Construction Management provided by KPFF Consulting Engineers

In partnership with:

- Architectural Applications – Bridge Architecture
- Biella – Lighting Design
- Carter & Co. – Construction General Contractor
- DKS – Traffic & Lightning Engineering
- GreenWorks – Landscape Architecture
- JLA Public Involvement – Community Engagement



5

bridge spans

900ft

of elevated structure

14ft

wide multimodal path

1/3 mile

project length

5°

lean of arches and railings



Summary

115 tons of rebar

155 tons of steel

2,000 cubic yards of concrete

2,400 linear feet of custom stainless steel railings

165 new trees and **7,500** new shrubs

214 architectural color changing light fixtures

Schedule

Project Start and Alternatives Analysis: December 2021

Design Completion: August 2023

Construction Groundbreaking: March 2024

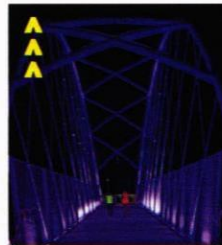
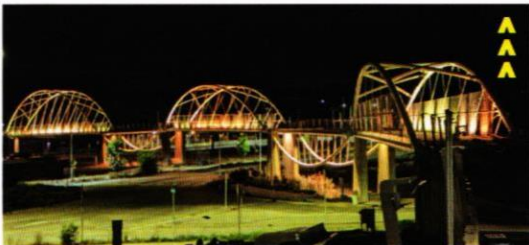
Grand Opening: September 2025

Features

- Bicycle and Pedestrian crossing between the YMCA building and Sherwood High School with connections to the future trail network
- Signature undulating design with arch spans over three roadways: Highway 99W, Elwert Rd., and Kruger Rd.; alternating with inverted arch spans over the greenspaces in between



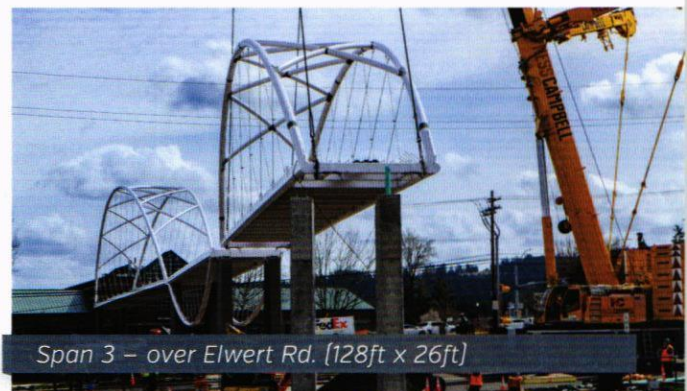
- Belvedere features between each span offer space to pause and enjoy the views from the bridge
- Custom stainless steel railing system balances transparency with a sense of enclosure and protection from the traffic below
- Architectural lighting system features color-changing designs on the arches and in the “bent” supports



Span 5 – over Highway 99W (194ft x 40ft)



Span 4 – over creek headwaters (100ft x 14ft)



Span 3 – over Elwert Rd. (128ft x 26ft)



Span 2 – over stormwater pond (112ft x 14ft)



Span 1 – over Kruger Rd. (128ft x 18ft)