

# TUKWILA BRIDGE PROJECT



Organic Lighting supplied the lighting for the new Tukwila Pedestrian/Bicycle Bridge in Washington. The bridge connects the Tukwila's Urban Center, Transit Center and the Tukwila commuter rail/Amtrak station.

The bridge is a twin-tied arch spanning 220 feet. The structural system is made from white-painted tube steel. The concrete bridge deck is 13-feet wide with an open grating edge that extends up to six feet on either side, allowing more daylight to reach the water. The bridge's height, geometry, materials and finishes stand out vividly against the green backdrop of the river's natural setting. At night, integrated, programmable LED lighting illuminates the arch in a dynamic play of color.

The tied-arch bridge construction creates a strongly curved profile, further enhanced by the plan form, which incorporates gentle curves that widen the bridge surface toward the center of the span. This widening allows for pedestrian overlooks from the bridge in both directions. The railing creates a continuous texture across the span, and features built-in liniLED High Power Top pathway lighting with a custom angled bracket. LED uplights graze the hanger cables and arches to create a subtle web effect against the night sky. Gentle ramps at the east and west approaches to the bridge blend the form organically into the landscape, completing the composition. The overall effect conveys simplicity, clarity and lightness.