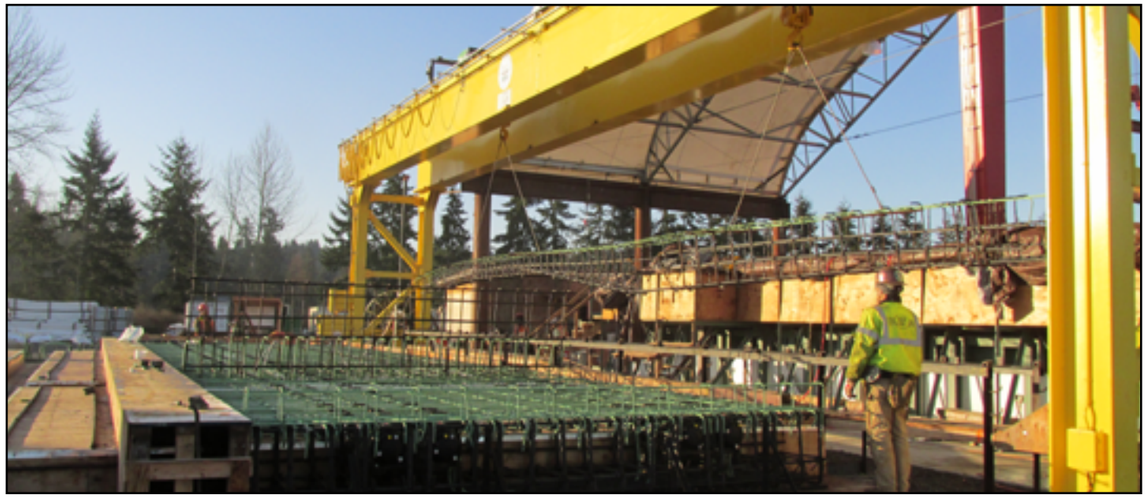
Floating bridge construction - Kenmore



In Kenmore, crews are building 766 precast roadway deck sections. To build each section, construction crews are using a "match casting" method so that when the bridge deck is finally assembled on Lake Washington the sections will fit neatly together. A roadway deck section under construction is visible to the left of the construction worker, with new steel rebar awaiting a concrete pour.

Crews in Kenmore use a straddle carrier to transport new precast deck sections, as well as heavy fluke anchors. This straddle carrier was custom-built for the SR 520 project.

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Washington State Department of Transportation

SR 520 Bridge Replacement and HOV Program

State Route 520

SR 520 construction update: March 2014

West Connection Bridge construction

Teamwork is the name of the game at the West Connection Bridge, where crews combine their efforts to place new girders connecting completed piers on Lake Washington.

A view from below the West Connection Bridge. Construction started in 2013 and will be completed later this year.

Washington State Department of Transportation

U.S. Department of Transportation
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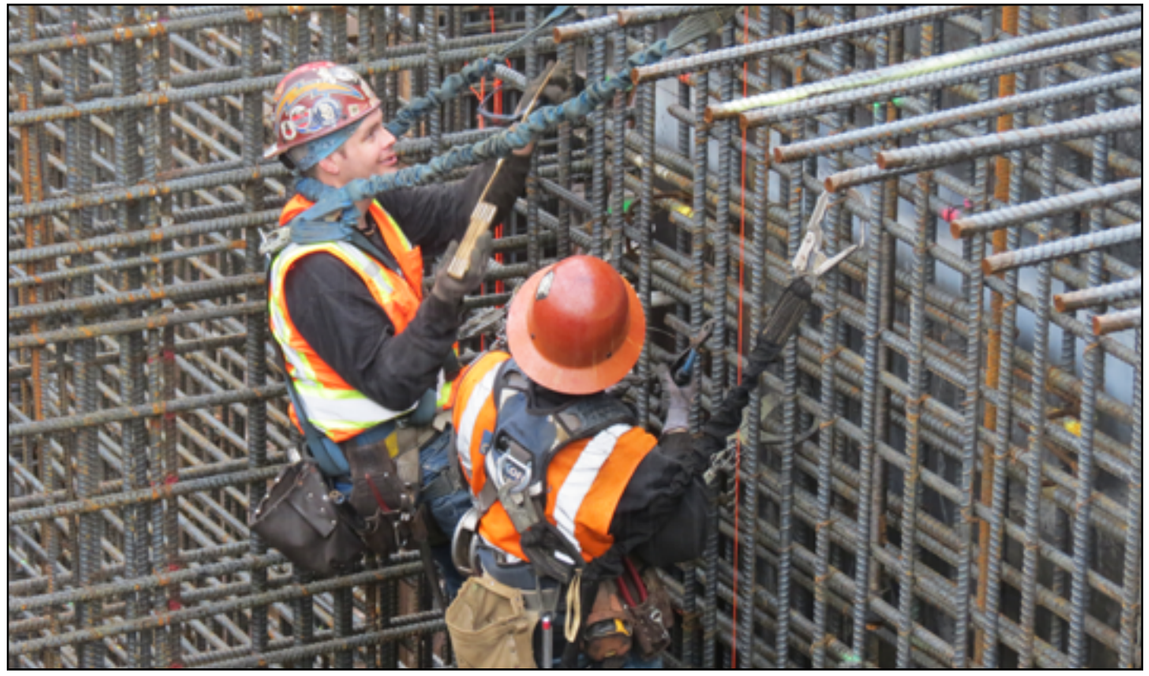
Pontoon construction - Tacoma

A construction worker surveys an almost-completed pontoon. Eight pontoons are completed at a time in Tacoma, and 44 total pontoons are being built at this site.



Two workers scale the side of a pontoon frame while buckled into their safety harnesses.

Pontoon construction

After passing inspection, Pontoon PNW begins its journey from Grays Harbor to Lake Washington, where the pontoon will support the new floating bridge.

As seen from the University Bridge, a tug boat guides pontoon PNW through the ship canal to Lake Washington.