

SR 520 Pontoon Construction Project

What are the vulnerabilities of the current bridge?

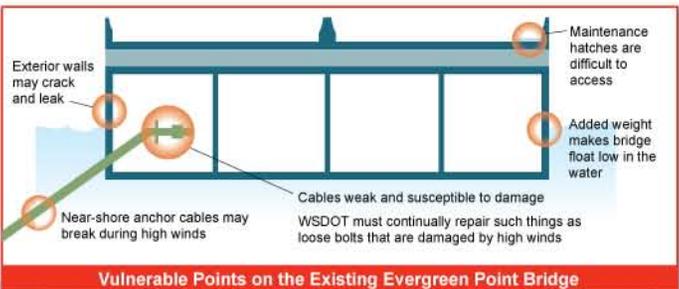
Natural disasters could strike the Puget Sound region before SR 520 can be replaced.

- the Evergreen Point Bridge is vulnerable to windstorms and wave action.
- WSDOT has started planning for a possible catastrophic failure of the SR 520 bridge.
- we will need new pontoons to restore bridge function under any failure scenario or planned replacement.
- the fixed structures are also vulnerable to earthquakes.

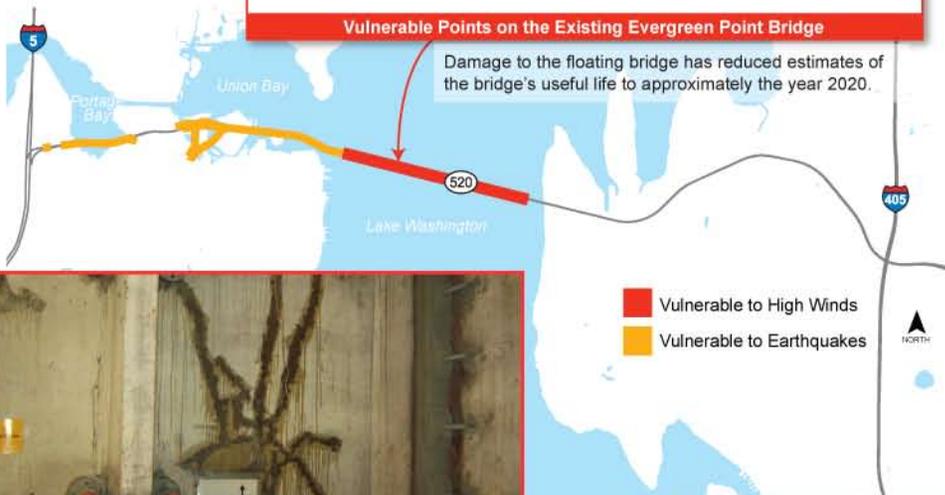
Current Vulnerabilities



A torn cable joint found during a routine inspection in February 2006. The cables connect the floating bridge pontoons to their underwater lakebed anchors.



Vulnerable Points on the Existing Evergreen Point Bridge



Damage to the floating bridge has reduced estimates of the bridge's useful life to approximately the year 2020.

