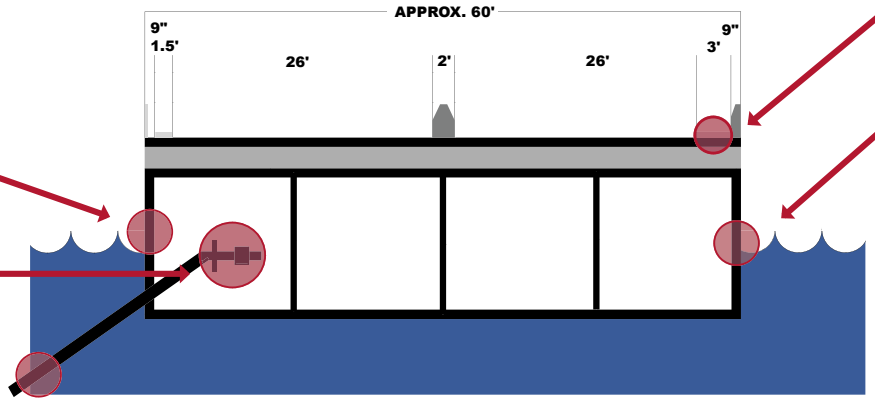
Vulnerable Points of the Existing Evergreen Point Floating Bridge and Approach Spans

Floating Bridge/Pontoons



Exterior walls may crack and leak

Weak drawspan, cross pontoons, anchor galleries

Near shore anchor cables

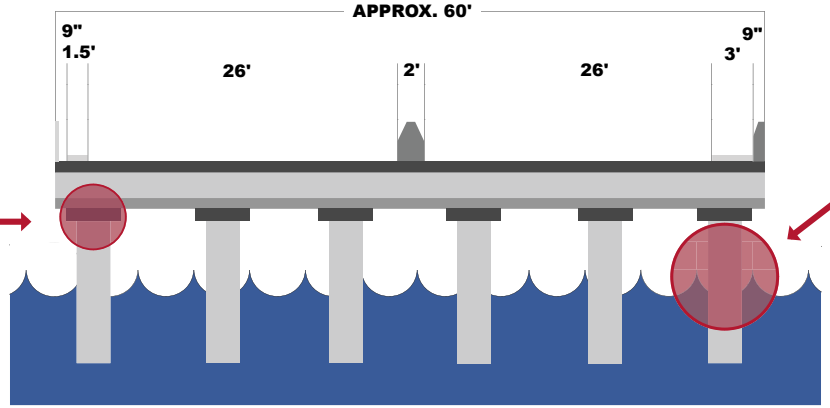
Maintenance hatches difficult to access

Added weight makes bridge float low in the water

Waves crash over low roadway

Earthquake Vulnerability for Approaches

Approach Span



Pile cap to hollow pile connection

Hollow piles may implode during earthquake