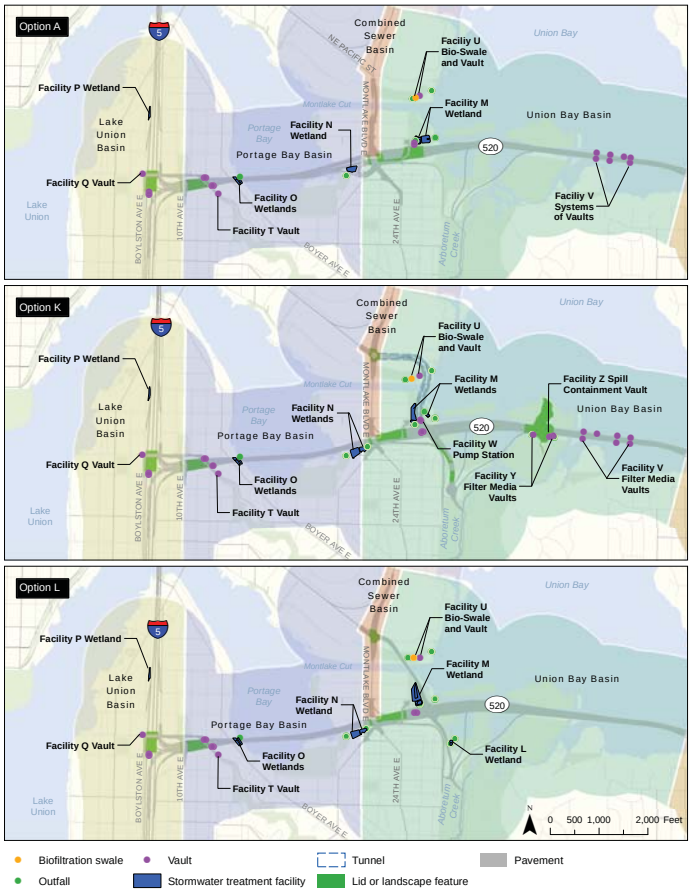
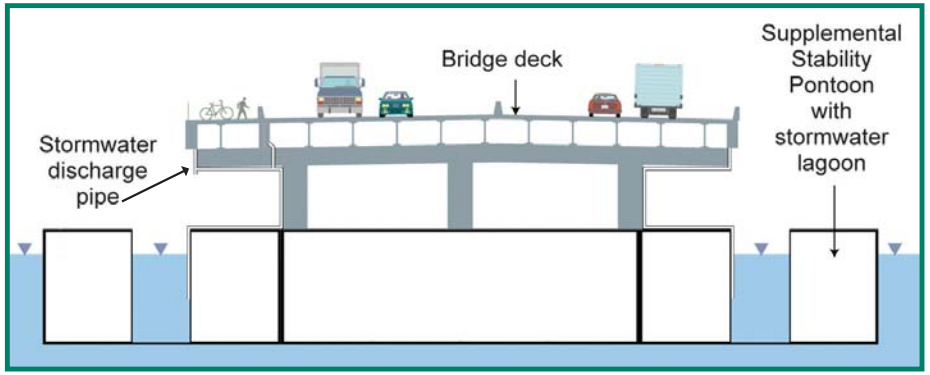
Water resources

- Today, untreated highway runoff flows directly to the waters of Portage Bay and Lake Washington.
- The project would build treatment facilities to remove sediments, oils and metals from runoff before it discharges into the water.
- Where feasible and practicable, all treatment will be at the highest level possible for highway runoff.
- Up to four stormwater treatment facilities will be constructed between the I-5 interchange and Lake Washington, two of which are constructed wetlands.
- Groundwater resources will not be adversely affected by the project.

Exhibit 5.10-1. Proposed Stormwater Facilities in Seattle Project Area



Water resources

- Today, untreated highway runoff from the floating bridge flows into Lake Washington.
- Because the characteristics of a floating bridge make treatment challenging, WSDOT is conducting an “All Known, Available, and Reasonable Technology” analysis for available treatment options.
- We are currently considering a plan to use high-efficiency sweeping of the bridge to remove pollutants. Runoff would then flow into large catch basins that would trap additional pollutants.
- The supplemental stability pontoons would include stormwater “lagoons” to provide spill containment and dilute runoff before it is discharged into the lake.