

Construction Method:
Microtunneling

Project: **Green River Crossing**

Location: **Tacoma, Washington**

Date: **2006**

Job Scope

- ❖ Trenchless Construction Management
- ❖ Design Review
- ❖ Expert Witness Testimony



Project Description:

Staheli Trenchless Consultants provided construction management services, design review and expert witness testimony on a 508 foot long, 50 foot deep 63-inch microtunneling drive beneath the Green River.

Construction took place in variable geotechnical conditions which included volcanic lahar deposits, alluvial gravels and wood. While the original design placed the majority of the drive in alluvial gravels, the tunnel alignment was changed during shaft construction due to discovery of several trees during excavation. The change in alignment was accompanied by selection of a new microtunneling machine which was expected to be better suited for the geotechnical conditions.

When a differing site conditions claim was filed during construction of the revised alignment STC provided a detailed design review and expert witness testimony for the Project Owner regarding the tunneling design, machine performance and the filed claim.

Reference:

Tim Larson, Senior Project Engineer, HDR
(425) 450-6200