

Alki Transfer / CSO Project

Seattle, Washington



DATE OF COMPLETION
November 1997

VALUE OF CONTRACT
\$22,253,191

OWNER
King County Department of
Natural Resources

ENGINEER
HDR Engineering Inc.

CONSTRUCTION MANAGER
URS Construction



Project Description

TUNNEL MINING DIMENSIONS
10,263' x 157" dia.

EXCAVATION METHOD
157" Lovat ME-157 Series 15600
EPB TBM

GEOLOGY
Mixed face layers of clayey silt,
sand, gravelly sand, silt. High water
pressure

**TUNNEL INITIAL & FINAL
SUPPORT**
9" thick precast concrete segments

SHAFTS
175' W x 120' L x 35' D using 42 ea.
3' diameter concrete piles on one
side and soldier pile/wood
lagging/soil nailing as ground
support on the others

