

AURORA WATER PRAIRIE WATERS PROJECT
PIPELINE PACKAGE G – SEGMENT 1
AURORA, COLORADO



Project Description

The Prairie Waters Pipeline Project encompassed approximately 34 miles of buried pipeline to transport the water from the Platte River North Campus to the purification facility near the Aurora Reservoir. The Segment 1 scope included approximately 12.8 miles, or 68,000 LF of 60" diameter epoxy-coated, mortar-lined, steel pressure water pipeline. Included were ten tunneled crossings with five 78" micro-tunnels, four 78" TBMs, and one 78" ramming tunnel. One of the tunnels was under the Platte River at a depth of 48'. Project challenges included installation of twin pressure pipelines in high-desert terrain with high groundwater, and unstable soils; major road bores; and a welded steel pipe system. Numerous environmentally sensitive zones were encountered including wildlife habitats and schedule-restricted areas of croplands. This project included the mass excavation of 315,000 CY of earth and the penetration of two slurry walls.

At a Glance

Contract Amount:
\$55.6 M

Notice to Proceed:
July 2, 2008

Completion Date:
June 1, 2010

MGD:
96.0

Owner:
City of Aurora

Engineer:
MWH