

CITY OF AURORA PRAIRIE WATERS PROJECT – CONVEYANCE SYSTEM



Location Map

Project Description

Aurora's population is expected to exceed 600,000 people by 2050. Aurora's water supply comes from three major river basins within Colorado and is sensitive to dry or drought conditions. During average years, the water supplies are ample to meet the City's water demands. However, during dry conditions, water supplies are limited because the water rights owned by Aurora are relatively junior. The Prairie Waters Project is a key part of Aurora Water's comprehensive water resource planning. To meet the demands of its existing customers in dry years, and to meet the increasing demands on the system in the future, the goal of the PWP is to supply 10,000 AF/yr by 2010 and 15,000 AF/yr by 2017. Aurora Water will accomplish these goals using reusable effluent from its existing portfolio of decreed reusable water rights, supplemented by lawn irrigation return flows and junior water rights. A key component of the PWP is the Conveyance System which includes three pumping stations and a 60-inch diameter pipeline to convey raw water from near Brighton, Colorado to a purification facility near Aurora Reservoir.

Project Data

Sponsor: City of Aurora

County: Adams, Arapahoe
Douglas

Water Source: South Platte River

Terms of Loan: \$75,750,000, 30 years @ 3.75%

Substantial Completion: May 1, 2010

Engineer: MWH Americas, CH2MHill

Contractor: SJ Louis Construction, Western Summit, Reynolds Tierdael

Project Elements: Three pumping stations and 33 miles of 60-inch flexible steel pipe