Project Profile: TBM TUNNELING

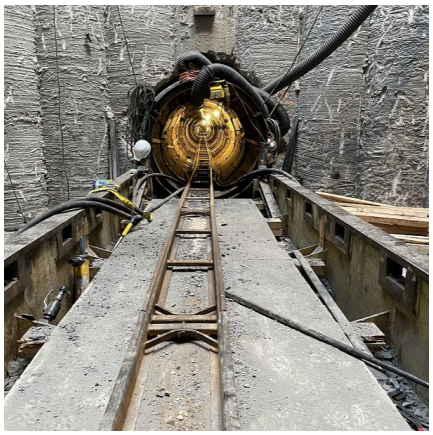
BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

Thorton Water Project
Johnstown, CO



PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction installed two 68" OD rib-and-board tunnels as part of the Thornton Water Project. The two tunnels (250' and 235') were installed underneath rivers, the Cache La Poudre River in Windsor, CO, and the Little Thompson River in Johnstown, CO. The tunnels were installed behind an Akkerman 540 TBM out of secant pile shafts. Ground conditions consisted of claystone and sandstone.





PROJECT INFORMATION - 612

OWNER:
Scott Contracting Inc. (GC)
Kamran Abolhasani
720-490-7401
kabolhasani@ihcscott.com

ENGINEER:
Burns and McDonnell

CONTRACTOR:
Scott Contracting Inc.

COMPLETION DATE:
4/13/2021

GEOLOGY:
Claystone, Sandstone

EXCAVATION METHOD:
Akkerman 540 TBM

MINING DIMENSIONS:
68" Rib and Board

FINAL LINING:
42" Welded Steel Pipe

FOR MORE INFORMATION:
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Refer to Project 612