

Inland System Renovation

Birmingham, Alabama
Inland System Renovation Project



DATE OF COMPLETION
September 1996

VALUE OF CONTRACT
\$11,725,121

OWNER
Birmingham Water Works Board

ENGINEER
Jenny Engineering

CONSTRUCTION MANAGER
Christy Cobb Engineering



Project Description

TUNNEL MINING DIMENSIONS
1525' x 9-6" dia.horseshoe

EXCAVATION METHOD
Drill and Blast

GEOLOGY
Sandstone (6,470 – 28,640 psi)

TUNNEL INITIAL SUPPORT
Rockbolts, wire mesh, shotcrete

TUNNEL FINAL LINING
84" ID Steel pipe grouted in place

SHAFTS
16' dia. x 205' deep Marine intake
(40' deep in rock and 165' to
surface); spillway and outfall
structures

