

COLORADO SPRINGS UTILITIES SOUTHERN DELIVERY SYSTEM N1C/N2A COLORADO SPRINGS, COLORADO



Project Description

The Southern Delivery System is a raw water pipeline that brings water from the Pueblo reservoir to Colorado Springs. The SDS covers 51.69 miles and has three pump stations and a water treatment plant. The SDS Segment N1C/N2A is 6.1 miles and consists of 32,260 LF of 66" welded steel pipe (WSP), 3 air vacs, 4 blowoffs, valves and flow control devices, and 240 LF of 84" steel casing tunneled beneath Bradley Road. The project included crossing of above and below ground high voltage electric lines and high pressure petroleum lines, traffic control, reclamation, riprap structures, earthwork, cathodic protection, and hydrostatic testing to 394 ± psi. The project also included two locations of groundwater at depths greater than 20'. The WSP is bedded with a combination of CLSM and aggregate bedding. In order for the ease of pipe installation we performed 96,000 cubic yards of sub cut utilizing scrapers and dozers. The project required the use of cost loaded CPM scheduling. Reynolds (formerly operating as Layne Heavy Civil, Inc.) received a 2014 Top Projects Award by Water and Wastes Digest for our successful involvement in the construction of the Southern Delivery System.

At a Glance

Contract Amount:
\$24.7M

Notice to Proceed:
June 11, 2013

Completion Date:
March 15, 2014

Owner:
Colorado Springs Utilities
Engineer Contact Info:
CH2M Hill

