

NORTH SYSTEM RENEWAL: TUNNELS



EXPERTS. ALWAYS THERE, DOING THE RIGHT THING.

Fact Sheet

AUGUST 2017

Construction begins this fall on the North System Renewal (NSR), a critical update to Denver Water's northern infrastructure. The project involves installing the Northwater Pipeline, an 8.5-mile, 7-foot diameter pipeline that runs through parts of Arvada, Jefferson County, Lakewood and Wheat Ridge. When NSR is finished in 2023, the pipeline will carry drinking water from the new Northwater Treatment Plant at Ralston Reservoir to the Moffat Distribution Site in Lakewood.

The project's first phase requires tunneling under five intersections where the pipeline will cross major highways and railroad tracks. Tunneling is preferred through high traffic areas because it minimizes disruption to transportation and local business access and parking. There are two additional road and recreational trail crossings along the route that require open trench work.

This first phase will directly impact two residential and up to 15 commercial properties. Denver Water is working with local governments, property owners and the Colorado Department of Transportation to permit and schedule the work.

FOR MORE INFORMATION

Telephone:
303-893-2444

Email:
northsystemrenewal@denverwater.org

Website:
denverwater.org/northsystemrenewal

CONSTRUCTION TIMELINE AND HOURS

Tunneling and open trench work will begin in fall 2017 and finish in 2018.

Construction will generally occur Monday - Saturday between the hours of 7 a.m. - 7 p.m. Crew schedules in each location may vary on a day-to-day basis within this timeframe. Construction timelines are subject to change based on weather, schedule adjustments and the availability of equipment and materials.

Tunnel 1. Highway 93, Jefferson County July 2018 - November 2018

A 300-foot tunnel will be dug under Highway 93 near West 64th Avenue. Construction equipment will be staged on Denver Water property west and east of Highway 93. Traffic will not be impacted.

Tunnel 2. Indiana Street, Jefferson County March 2018 - July 2018

A 125-foot tunnel will be dug under the Burlington Northern Santa Fe (BNSF) Railway line east of Indiana Street and north of 44th Avenue. Traffic will not be impacted.

Tunnels 3 and 4. State Highway 58 at Eldridge Street, Jefferson County October 2017 - March 2018

A 50-foot tunnel will be dug under the BNSF railroad spur at 44th Avenue and Eldridge Street and a 270-foot tunnel under State Highway 58 just south of Eldridge Street. We are working closely with nearby businesses to ensure parking and access. Traffic will not be impacted.

Tunnel 5. Interstate 70 at Applewood Village Shopping Center, Wheat Ridge October 2017 - November 2018

A 1500-foot tunnel will be dug underneath Interstate 70 and a nearby shopping center. The tunnel will begin northwest of I-70 at West 38th Avenue and run southeast beneath the Applewood Village Shopping Center. Construction work will not impact traffic but will impact the southeast area of the parking lot. We are working closely with nearby businesses to ensure parking access.

Closure 6. 44th Avenue from Fig Street to Eldridge Street, Jefferson County
March 2018 - May 2018

An open trench will be dug across the south side of 44th Avenue near Fig Street. 44th Avenue will be closed for approximately two weeks. We are working closely with first responders, local residents and businesses to ensure access and parking.

Closure 7. Clear Creek Trail, Wheat Ridge
January 2018 - March 2018

An open trench will be dug across the Clear Creek Recreational Trail immediately north of the holding ponds near Applewood Golf Course. The trail will be closed for a limited time. Signage and detours will be provided.

Numbers on map correspond with tunnels and closures above.

The map illustrates the layout of water infrastructure projects and associated road closures in Jefferson County. A green line represents the Ralston Reservoir Connection, starting from the Ralston Reservoir and heading south towards the Northwater Treatment Plant. A brown line represents the Northwater Pipeline, running from the treatment plant area southwards. A blue line represents the Moffat Distribution Site, located further south. Key landmarks include the Blunn Reservoir, Mt Olivet Cemetery, Applewood Golf Course, and Applewood Shopping Center. Major roads such as 44th Avenue, 58th Avenue, and 70th Avenue are clearly marked. Numbered callouts (1-7) indicate specific closure points: 1 is at the Blunn Reservoir; 2 is at the intersection of 44th Avenue and Indiana St; 3, 4, 6, and 7 are along 44th Avenue near Fig Street and Eldridge Street; and 5 is at the intersection of 44th Avenue and Youngfield St.

BEING A GOOD NEIGHBOR

Denver Water is committed to maintaining safe worksites and mitigating the impacts of noise, dust, traffic and other construction inconveniences on our neighbors. When these impacts do occur, we aim to reduce inconvenience and communicate well in advance so that residents and neighbors can plan accordingly.

EXPERTS. ALWAYS THERE, DOING THE RIGHT THING.