



# OPW 52223 (CSO) South Interceptor Force Main North Segment and North Gravity Sewer

**LOCATION:** Omaha, NE

**OWNER:** City of Omaha, Public Works Dept.

**OWNER CONTACT:** Richard Murch  
(402) 444-5220 / rick.murch@cityofomaha.org

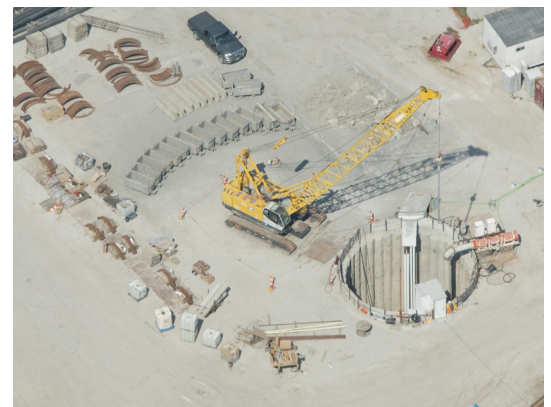
**ARCHITECT OR ENGINEER:** HDR, Inc.

**CONTACT:** Steve Marks, (319) 270-9043  
steven.marks@hdrinc.com

## PROJECT PROFILE

This project includes 2,480 lf of 72-in. ID rock tunnel using conventional tunneling methods, with ring and beam lagging, at approximately 100 vf; completion of two working shaft for the rock tunnel construction; construction of a 64-in. steel cased tunnel under UPRR tracks by auger bored tunnel method; and installation of two 90in. steel casing tunnels under the UPRR Bridge embankment. Aside from tunneling, the project also includes: the installation of 42-and 48-in. restrained joint force main installed by open-cut methods and supported on piles; construction of a vault valve structure; blasting; vibration control and monitoring; and soil stabilization by jet grouting.

Also included in the scope are the construction of shafts including three secant pile shafts (32' diameter) using a Soilmec SR-90 drill rig; and drill and blasting work in limestone rock (with rock bolt anchors and mesh) to complete construction of the lower 35+ feet of the launch shaft which will be approximately 75-feet deep (the 38-foot overburden was constructed with 38-inch diameter secants). Project is on schedule for completion in June 2016.



**TOTAL VALUE OF CONTRACT:**  
\$21,482,571

**COMPLETION TIMELINE:**  
SEPTEMBER 2014 - JUNE 2016

**COMPLETED AS:**  
PRIME CONTRACTOR