



## CITY OF NORMAN, OK STAFF REPORT

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**MEETING DATE:** 03/22/2022

**REQUESTER:** Rachel Croft

**PRESENTER:** Rachel Croft, Staff Engineer

**ITEM TITLE:** CONSIDERATION OF APPROVAL, REJECTION, AMENDMENT, AND/OR POSTPONEMENT OF AMENDMENT NO. ONE TO CONTRACT K-2021-133: A PIPELINE LICENSE BY AND BETWEEN THE CITY OF NORMAN, OKLAHOMA, AND THE BURLINGTON NORTHERN SANTA FE RAILWAY COMPANY AMENDING THE CONTRACT TO REFLECT A CHANGE TO THE BORE METHOD AND CASING SIZE FOR THE FLOOD AVENUE WATER LINE REPLACEMENT PROJECT FROM ROCK CREEK ROAD TO VENTURE DRIVE.

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### **BACKGROUND:**

The Flood Avenue Waterline Replacement Project – Rock Creek Road to Venture Drive (WA0328) will replace failing Ductile Iron Pipe (DIP) waterline with C-900 polyvinyl chloride (PVC) waterline. The existing DIP is not compatible with our clay soils and is failing, causing water outages, water loss and excessive maintenance demands. The project includes 12,700 feet of 16-inch waterline from Rock Creek Road to Tecumseh Road along with 2,900 feet of waterline from Tecumseh Road to Venture Drive.

As part of this project, the existing 8-inch water line under the BNSF Railway Company railway and north of Lexington Street, will be replaced with a new 8-inch water line. The proposed 8-inch water line will be installed within a 16-inch steel casing pipe (see attached map entitled “Exhibit A”). A pipeline license from the BNSF Railway Company is required to install this crossing of the railway and was approved by Council on June 22, 2021 (Contract K-2021-133). This license sets forth terms and conditions for the use of the railroad right-of-way at this location.

### **DISCUSSION:**

Staff obtained the pipeline license and agreement to bore under the railroad tracks. As they further discussed the installation with the adjacent business owner, it was realized that the business owner would not be able to fully operate his business if the pit was the original size proposed. The contractor and staff realized the need to change the method of installing the bore and decided to move from a dry auger bore and utilize a horizontal directional bore. This will allow for a smaller bore pit on the east side of the tracks which is less intrusive on the business owner.

Exhibit A of the amended contract reflects the changes to the bore method and casing size.

**RECOMMENDATION:**

Staff recommends the NUA approve Amendment No. 1 to Contract K-2021-133 changing the bore method and casing size in the Pipeline License with BNSF for the installation of a replacement 8-inch waterline under the BNSF railroad right-of-way just north of Lexington Street for the Flood Avenue Waterline Replacement Project – Rock Creek Road to Venture Drive (WA0328).