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## **SUPER SIZE ME! NOBLESVILLE, INDIANA TACKLES A BIG PIPE BURSTING PROJECT**

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**ABSTRACT:** The City of Noblesville is located approximately 25 miles northeast of Indianapolis. It is the fastest growing city in Indiana and one of the fastest growing cities in the United States. The City's Wastewater Utility is currently undertaking a two-phase expansion of its wastewater treatment plant (WWTP) to first address high peak wet-weather flows and then the City's growth. The first phase consists of doubling the WWTP's influent pumping and grit handling capacity, and adding 1 million gallons of flow equalization/storage. This phase will also increase the conveyance capacity of the main interceptor sewers serving the combined-sewer service area by pipe bursting. The second phase will double the WWTP's dry-weather treatment capacity. This paper will focus on the pipe bursting portion of the project by discussing the decision to use pipe bursting for the interceptor sewer expansion, the design aspects and challenges faced during construction.

This project includes approximately 3,000 linear feet (LF) of 18" brick interceptor expanded to 24", 500 LF of 15" interceptor expanded to 18", and 600 LF of 12" interceptor expanded to 18". It also includes approximately 1,000 LF of rehabilitation of a 36" brick combined sewer using cured-in-place pipe.