

# INSTA-VALVE 250 SUCCESS STORY

*The Insta-Valve 250 Puts a Stop to a Month-Long Water Loss of 150 GPM*

Steubenville, Ohio | Population: 18,659

## SUMMARY

Hydra-Stop's solution allowed a targeted shutdown to stop a massive and costly water loss.

## THE PROBLEM

A 12-inch valve in the downtown area of Steubenville was leaking approximately 150-200 gallons of water per minute from its bonnet. The city attempted to isolate the leak with existing valves surrounding the area but were unsuccessful. The city then tried moving the isolation area out two city blocks in each direction from the source, affecting service to four city blocks which contain multiple businesses and restaurants.

By this point, the valve had been leaking for about a month, costing the city somewhere between 6.5 to 8.7 million gallons in water loss.

## THE SOLUTION

Looking for solutions to control their issue, and make further repairs without large service disruptions, the city developed a Valve Replacement Project which utilized four 12-inch and one 6-inch Insta-Valve 250 insertion valves.

To isolate the leaking valve, Mortimer Excavating was contracted to install one 12-inch and one 6-inch insertion valve around the source of the leak. The two installations were completed within 8 hours and the city was able to create a tighter isolation area of only one block — affecting service to just three buildings.

The City of Steubenville was able to remove the 12-inch leaking valve as well as remove a 6-inch valve with a broken valve stem. The city has finally put a stop to a costly leak that previously couldn't be contained and now benefits from five new, permanent control points. The success of the project was even covered on the local news. To watch the segment, please follow the link: <http://bit.ly/SteubenvilleIV250>.



“We had a great experience with the installation and functionality of Hydra-Stop's Insta-Valve 250 insertion valve. We were able to replace existing valves easily with little-to-no affect to our customers' water service or quality.”

— James Jenkins,  
Water Superintendent,  
**CITY OF STEUBENVILLE**



## RESULTS

### COST REDUCTION

The City of Steubenville was able to stop a very costly leak of millions of gallons of water loss and avoided widespread shutdown and the costs associated with shutdown.

### BETTER CONTROL

**The Insta-Valve 250 insertion valve provided targeted control during emergency maintenance which minimized service disruption.**

### LONG-TERM VALUE

Every Insta-Valve 250 that has been installed remains a permanent, reusable asset for the City of Steubenville.