

# FIELD REPORT

## SNAP-TITE® SAVES MILLIONS ON STATEWIDE REHAB PROJECT



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### BACKGROUND

As part of continuous improvement projects on their roadways statewide, the Arizona Department of Transportation (ADOT) has been extremely proactive about inspecting and inventorying their hundreds of culverts.

and replace the culverts, not only would it be costly, it would be time consuming and require major disruption to traffic routes all over the state. Instead, ADOT put out a bid to find a contractor that could offer another solution.

### CUSTOMER

Arizona Department of Transportation

### LOCATION

Arizona

### PROBLEM

Culverts across the state in need of rehabilitation on tight schedule.

Amidst that process, they found a significant number of these pipes in severe or critical condition and deteriorating at a rapid pace. If they didn't find a fix fast, they faced the very real possibility of massive failure causing road closures and dangerous situations.

However, the sheer number of culverts that were in need of repair presented what could have amounted to a \$500 million problem. If they decided to dig



### COURSE OF ACTION

Granite Construction was chosen to tackle the problem because of their familiarity with working with Snap-Tite®. It's made of lightweight high-density polyethylene (HDPE) pipe. "Part of what made Snap-

Tite® appealing was the ability to acquire pipe in varying lengths and diameters," explained Snap-Tite® rep Russ Wosk. "It's a no-dig solution that could





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completely rehabilitate the culvers and provide a long-lasting new pipeline without major excavation and minimal crew."

Snap-Tite was able to provide multiple different pipe sizes and lengths as well as oval pipe to line the existing elliptical culverts. They provided multiple diameters of pipe from 10-inch to 63-inch, custom lengths, and even extrusion welded joints.

### WHY HDPE?

ADOT gave Granite a tight window of time in which to complete the construction in multiple locations from every corner of the state of Arizona. Snap-Tite is able to ship from locations all over the United States and was able to provide material for this job out of their plant in Kingman, Arizona. This convenience allowed the contractor to stick to the strict timeline and have pipe on site when they were ready to work.

"We continue to turn to Snap-Tite for culvert rehabilitation because of the ease of installation, the efficiency it affords us on the jobsite, and the ability to stay on schedule and on budget," explained Jake Buckley with Granite Construction. "We were able to move quickly through the job with a crew of three to four people and an excavator. Digging and replacing would've been an intensely more difficult job."

The pipe ends "snap" together easily and the crew grouts the annular space, providing a solid, leak-free, corrosion-resistant culvert that will last for decades. For a fraction of the cost of other options, Snap-Tite was able to provide a customized solution for this immense overhaul before it became a massive and potentially dangerous issue.

**SnapTite®**

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