

For Snap-Tite® contractors who know. Just call...

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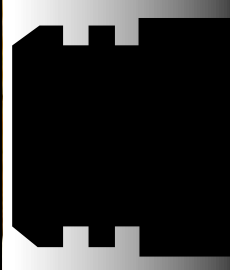
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**Making
the smart
choice...**

**Snap-Tite® –
Your
Culvert Lining
Solution**



Snap-Tite®



ISCO
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Coming through.

Why use Snap-Tite® for culvert lining?

Snap-Tite®



3 REASONS WHY:

1. The rehabilitated culvert will have the same – or greater flow – than the old culvert.
2. Installation is easier.
3. The joints will be secure.



The Hidden Danger

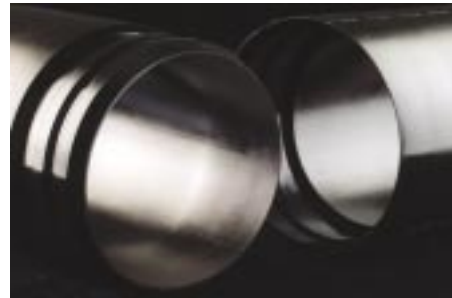
There is serious danger undermining America's highway system in the form of aging culverts. Many corrugated metal culverts are so significantly rusted that a danger of road collapse exists. Many concrete culverts have cracked or pulled apart at the joint creating similar dangerous scenarios. It is critical to establish the safest and most cost-effective solution to this growing problem.

Replace or Rehabilitate?

Conventional repair methods of the past have been to dig and replace. Now, there is a no-dig solution with the Snap-Tite® Culvert Lining System. The field-tested benefits are real, and prove that rehabilitation is a better solution. Snap-Tite® takes less time to install, and provides minimal property and traffic disruption. For transportation departments nationwide, it has become the intelligent cost savings choice.

The HDPE Difference

The Snap-Tite® Culvert Lining System utilizes high-density polyethylene pipe (HDPE) with the patented Snap-Tite® joining system. HDPE is durable, lightweight and flexible – and boasts an indefinite service life. With the Snap-Tite® System application, HDPE has tremendous advantages over concrete and corrugated metal replacement, and actually out performs



A Better Way

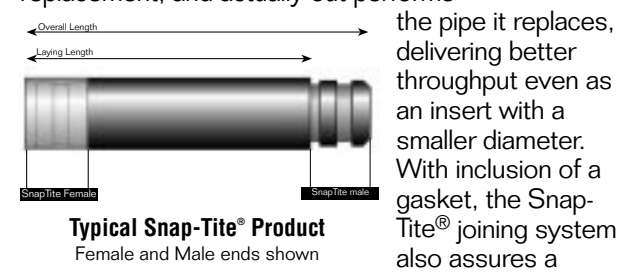
Because of Snap-Tite's® ease of installation and variable lengths, 95% of culvert renewal can be done off road – meaning greater safety for workers and motorists. All work is done in the culvert itself; there's no digging, or traffic or property disturbance. Typically most highway departments or road contractors can use their own crews without needing special training or

specialized equipment. And, since ISCO Industries has locations and pipe inventory across the country, delivery time is minimal. It's simply a better, more efficient solution.

Inspect your culverts – then make your next culvert rehab a snap...with Snap Tite®. Call today for more information, pricing and specifications.

Check out the Snap-Tite® advantage!

- ✓ Cost effective
- ✓ Simple, fast installation with light duty equipment
- ✓ Smooth inside surface promotes excellent flow
- ✓ Minimum disturbance to right-of-way
- ✓ No traffic interruption
- ✓ Lengths to suit your needs; 2 feet to 50 feet
- ✓ Available for existing culvert diameters; 12 inch through 84 inch
- ✓ Creates a water-tight, leak-proof seal



Typical Snap-Tite® Product
Female and Male ends shown

watertight seal at all joints – meeting ASTM D3212 requirements.

Go With The Flow

Snap-Tite® has an extremely smooth inside surface and maintains its excellent flow properties throughout its service life. Because of its smooth walls and non-wetting characteristics, a higher flow capacity and reduced friction loss is possible. The chart below demonstrates examples of how the Snap-Tite® System gives you a more durable pipe with a smaller interior dimension that carries as much, if not more, fluid than the original pipe.

Flow Comparison Snap-Tite® Solid vs. Corrugated Metal Pipe												
	CMP=Corrugated Metal Pipe I.D.= Interior Dimension O.D.= Outer Dimension											
Existing CMP	15" I.D.	18" I.D.	21" I.D.	24" I.D.	30" I.D.	36" I.D.	42" I.D.	48" I.D.	54" I.D.	60" I.D.	72" I.D.	84" I.D.
O.D. Snap-Tite	12.75" O.D.	14" O.D.	18" O.D.	20" O.D.	24" O.D.	32" O.D.	36" O.D.	42" O.D.	48" O.D.	54" O.D.	54" O.D.	63" O.D.
% of Flow	146%	115%	150%	138%	124%	164%	149%	157%	158%	170%	105%	104%

n CMP = 0.024, n Snap-Tite® Solid = 0.009

Step-by-step Ease of Installation

The Snap-Tite® System is designed with job site conditions in mind. On slip-line installations with restricted access, the Snap-Tite® System is extremely useful. Short lengths can be quickly joined and pushed through the line. Where more space is available, several lengths can be joined and pulled into place. The Snap-Tite® system will allow several joined sections of pipe to be pulled – or pushed – into their final location.

Step 1
Select and prepare the existing culvert

Step 2
Insert one end of Snap-Tite® Liner into existing culvert

Step 3
Position the next section of Snap-Tite® Liner with proper alignment

Step 4
Install a gasket

Step 5
Attach the chains and couplings

Step 6
Snap liner together

Step 7
Push joined liners into culvert and repeat until completely lined

Step 8
Seal the culvert ends and grout the annular space