

For many years fish and other aquatic organisms have migrated through culverts made with corrugated metal pipe (CMP). Installed approximately 50 years ago, most CMPs are so significantly rusted and near failure that water and fish have trouble effectively getting from one end to the other. A “fish friendly” solution to these failing culverts that is economically feasible, quick and non-disruptive to the motoring public is imperative. Relining these culverts has always been a possible solution. However, most high density polyethylene (HDPE) pipes have a smooth interior wall, therefore increasing water velocity and making it difficult for fish and other aquatic organisms to pass through.

Snap-Tite now offers an interior open profiled HDPE pipe with aquatic life passage properties. It’s comparable to a CMP, but manufactured with a more durable material. Fish and other aquatic organisms now can migrate through a physical environment but with a pipe constructed of HDPE, offering a much longer service life. The interior profiles act as “roughness elements” that decrease the flow velocity and allow for some silt and stream bed material to collect inside.

Snap-Tite uses available baffles to solve depth and velocity problems within a culvert during flow extremes. In low flow situations, most baffles act as weirs to

create small pools of standing water. As the flow increases, the water rises up over the baffles. The baffles help decrease flow velocity, creating resting areas for fish to use during high velocity water flow occurrences. *(Please note that leading research organizations do not recommend baffles for new installations or complete replacement of culverts where fish passage is of concern because other new construction options exist.)*

The Snap-Tite Group is your source for effective, efficient and permanent culvert rehabilitation. With culvert rehab experts across the country, more than 20 years of experience and literally thousands of culvert rehab project completed, Snap-Tite can help you determine the most cost effective solution for your culvert project. Call us at 800-CULVERT (285-8378) or visit our website www.culvert-rehab.com to learn more.

What is Snap-Tite? *Traditional Snap-Tite is a no-dig solution to culvert lining and rehab challenges. The Snap-Tite® patented joint and installation system allows replacement of failing culvert piping without the removal of deteriorated pipe. Most jobs can be completed with a backhoe, shovels, a come-a-long and chains — without closing a road or dealing with traffic control. Snap-Tite is made from high density polyethylene (HDPE) pipe and has a life expectancy of 100 years.*



Close up of water flowing through



IOP pipe



IOP Pipe Size Range

Nominal Pipe Diameter (Internal) Inches	Ring Stiffness Classifications RSC	Profile Type	Pipe OD Inches	Pipe Cover Thickness mm	Core tube/w cover mm	Core tube centerline spacing mm	Estimated Lbs./pipe
24	100	IOP	28.72	5	62	120	366
	160	IOP	28.72	5	62	120	366
30	100	IOP	34.72	5	62	120	446
	160	IOP	34.72	5	62	120	446
36	100	IOP	40.72	5	62	120	526
	160	IOP	40.72	5	62	120	526
42	100	IOP	46.72	5	62	120	606
	160	IOP	46.96	6	62	120	771
48	100	IOP	52.96	6	62	120	738
	160	IOP	53.12	7	62	120	995
54	100	IOP	58.96	6	62	120	975
	160	IOP	59.20	8	62	100	1309
60	100	IOP	65.12	7	62	120	1227
	160	IOP	65.35	9	62	100	1616
66	100	IOP	71.75	8	62	120	1415
	160	IOP	71.75	12	62	120	1996
72	100	IOP	77.75	9	62	120	1719
	160	IOP	77.75	12	62	100	2412
84	100	IOP	89.75	11	62	120	2419
	160	IOP	90.22	18	62	90	3530
96	100	IOP	101.91	14	62	100	3383

