

Subject: : Conservation

Topic: : A great idea , wish Pennsylvania would adopt

Re: A great idea , wish Pennsylvania would adopt

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Date: : 2013/9/23 23:46:48

URL:

The purpose of these culverts is to maintain the original bed for the purpose of fish passage. When installing a culvert through the permitting process the DEP requires the invert to be set at least 6" below bed level to provide bedload substrate to remain in the pipe and allow fish passage. Often in the past pipes would be installed with a drop from the invert to the stream impeding fish passage.

With round or oval pipes it is difficult to maintain bedload in the pipes due to scouring rain events. It would be interesting to see the footer and foundation designs on these as I would imagine there would be significant downcutting and undermining of footers during scouring events. This would cause the pipe to drop over time compromising the roadway above.