Enviro-Span Culvert Advantages

Enviro-Span is a clear span crossing with an outlet area of 19.2 sq. ft. This outlet area is in addition to the bankfull stream flow. Round culverts with a similar output area cannot be substituted because they must be installed in-stream and the bankfull stream flow must be subtracted from their output area. The following pages illustrate this graphically.
A 5' dia. round culvert has an outlet area of 19.6 sq.ft...similar to Enviro-Span. However, when installed, it must be submerged and thus effectively has a substantially reduced high water capacity.

The result is that a much larger round culvert must be specified in order to provide the same maximum flow rate as Enviro-Span.
Enviro-Span® Modular Culvert Systems

Output Area Advantage

Round Culvert 5'
1/4 Deep
15.8 Sq. ft.
3.8 Sq. ft.

Round Culvert 5'
1/2 Deep
9.8 Sq. ft.
9.8 Sq. ft.

One-to-one Comparison

* One Straight Enviro-Span section not shown in this image to reveal the uncovered area under the round straight Culvert.

Enviro-Span... Responsible. Reliable. Reusable.