

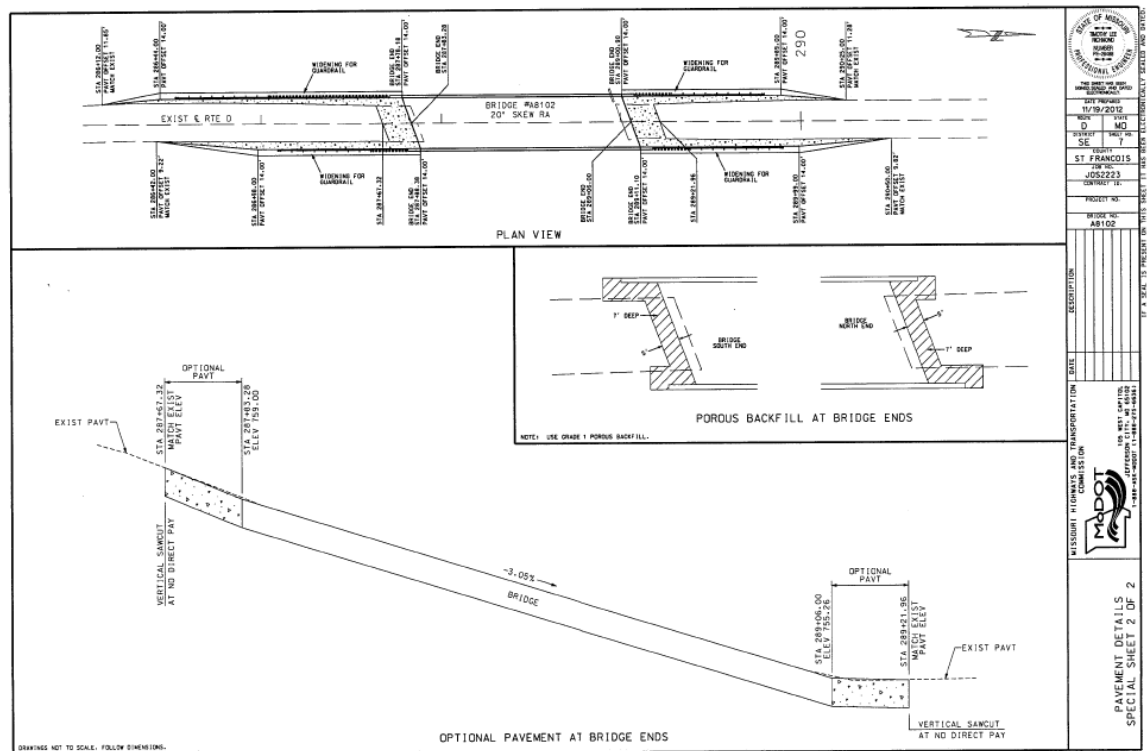
## First-Round Winner

Innovations Challenge  
<http://wwwi/intranet/cr/SolutionsAtWork/Innovations.htm>

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Prepared by Customer Relations  
 Missouri Department of Transportation

## Porous Backfill



### Description

For bridge replacement projects involving box culverts and bridges with no attached approach slabs, settlement continues to be a problem at the box/bridge ends due to the inability to apply an appropriate compactive effort in these areas. Using porous backfill at these locations can mitigate settlement issues.

### Benefit

This innovation saves money by reducing or eliminating the need for maintenance forces to "fix" the bumps at the ends of boxes and bridges caused by settlement issues. This innovation improves quality due to the elimination of these bumps.

### For More Information:

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Additional photos can be seen at the Innovations Challenge homepage: <http://wwwi/intranet/cr/SolutionsAtWork/Innovations.htm>