Casing Advancer

Description
Implementing the Casing Advancer involves drilling through bridge decks that are going to be replaced. This allows the drilling team to obtain geotechnical data in areas which had previously been inaccessible due to the locations in streams and lakes. The Casing Advancer has the ability to remove the drilling bit and perform SPT (standard penetration test) at different intervals of the bore hole. Upon encountering bedrock, the drill rods and drill bit are removed leaving the casing in place at which time the core barrel is inserted and samples are taken of the bedrock formation.

Benefit
The Casing Advancer eliminates the cost of renting barges to mobilize drilling equipment or outsourcing to a private drill company. It reduces the time needed to provide geotechnical data for designing a new structure. It also improves safety by allowing drill crews to drill on bridge deck rather than on a barge. Last February the Casing Advancer was used on a project and the cost per boring was $5,075. On a similar job in 2007, MoDOT paid a private drill company $14,350 per boring.

For More Information:
Contact Dale Glenn at dale.glenn@modot.mo.gov or (573) 526-4341.

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

Missouri DOT  
Dale Glenn  
1617 Missouri Hwy  
Jefferson City, MO 65102  
United States

## Contact

Account: 100349  
Sales Order: SK-750146  

## Ship To

Cust. Pick Up  
Earth City  
4061 Wedgeway Court  
Earth City, MO 63045  
United States

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""CONSISTING OF THE FOLLOWING ITEMS"" | 1     | 1    | $2,975.00 | 0%       | 2,975.00 |

**SALES INVOICE**  
SI-752175  
2/7/2013