

20" Random Rock 5 Cone Hole Opener Performance Update

Location: Bessimer, Alabama
Operator: US HDD contractor
Drill: Vermeer D150X300
Challenge: 1000 Foot Crossing
Cahaba River
Gas Transmission Line
Geology: Sandstone, Shale, Limestone
18K to 22K psi comp. strength



Result:

- *Successfully reamed the entire crossing in a single pass.*
- *Total of 56.5 Hours for a Penetration Rate of 17.7 ft/hr.*
- *Minimal cutting structure wear and the bearings are in excellent condition!
The Reamer will be used on another job.*

Features/Benefits:

1. *Patented Random[™] cutting structure provides more effective use of applied weight.*
2. *Specifically designed for the toughest drilling conditions. One cone style for any position.*
3. *Compensated Lubrication System*
4. *Unique locating system provides truer cutter positioning*
5. *Improved wall clearance for reduced shirrtail wear*
6. *Improved shirrtail protection – Hardfacing and TCI Inserts*
7. *5 cone reamer ensures SMOOTH running in difficult drilling conditions*