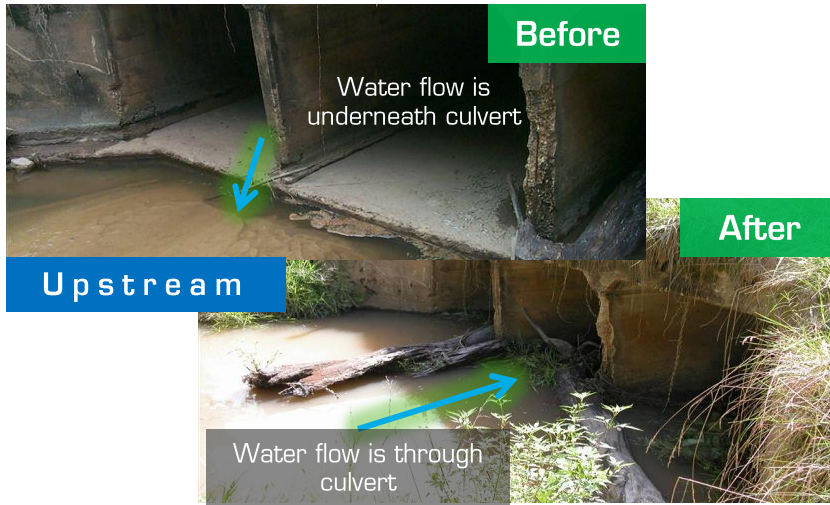


AL DOT 4th Division SR22

Alexander City, AL



| Project Challenges | Solution | Support | Outcome |
|---|---|--|--|
| <ul style="list-style-type: none"> • Extensive voids and extremely weak soil zones underneath a culvert and two lane road • Water flowing completely under rather than through culvert • Culvert & road settled 2.5" | <ul style="list-style-type: none"> • Inject hydro-insensitive URETEK polyurethane through floor surface of culvert surface to cutoff flow of water, fill voids, and stabilize soils to create a solid support for the culvert • Lift culvert and pavement full 2.5" to original elevation | <ul style="list-style-type: none"> • Designed injection points quantity and depth • Pre-construction meeting with DOT and local authorities to minimize disruption • On-site installation with no bypass required | <ul style="list-style-type: none"> • Minimal downtime: All work performed in 6 hours • Stabilized soil: Final roadway work was able to continue on schedule • No Road Closure: Traditional repair methods would created 50 mile detour to closest river crossing |