

URETEK Injection Process™ for SINKHOLE REPAIR

RT 15 Business, Leesburg, VA



The Problem

- Sinkhole formed on RT 15 Business in Leesburg, VA
- Previously had been dug out and large stone placed about 12 feet under the pavement then placed and compacted soil and cobbles; the roadway was then patched.
- Patch resettled in two areas about 3" at the deepest point.
- Location near three schools – heavy bus traffic; work hours 9:30 to 3 PM.
- Needed to pre-drill holes down to rock at minus 12 feet and insert bundles of tubes.



The URETEK Solution

- The URETEK Deep Injection Process™ was utilized for a minimally disruptive, zero excavation stabilization of the subgrade.
- Injection was done in a three dimensional grid pattern strengthening the soils down to minus 12 feet.
- The area worked was 30'W by 24'L and it took 4 short work days:
Day 1 – pre-drilled holes and inserted tube bundles.
Days 2 & 3 – injected multiple elevations to strengthen foundation soils.
Day 4 – Lifted asphalt roadway.



Support

- URETEK offers an engineered solution for various pavement, soil, and moisture conditions.
- The URETEK Team consists of their own unique material, equipment, and injection process; engineering staff; and, most important, their own experienced crews.
- Small Energy Footprint: no excavation or spoils/no heavy construction equipment.
- URETEK repairs the problems; we don't just work on the symptoms.