



URETEK Injection Process™ for SINKHOLE REPAIR

PENNYRILE PKWY, HOPKINSVILLE, KY



The Problem

- Dip along 50 feet of the Pennyrile Parkway at South Bound MM 2.2. Both lanes had settled up to 31/2".
- Previous attempts to stop the settlement proved to be unsuccessful. A mill and overlay project was done in the area a few years ago; the roadway continued to settle.
- Pre-injection Dynamic Cone Penetrometer testing showed weak soils at minus 4 feet and minus 9 feet.

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 10 feet.
- The area worked was 50'L by 30'W and it took 1 ½ days to complete.
- We worked one lane at a time so traffic kept flowing while we worked.

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.

Master Agreement

- URETEK USA, Inc. holds Master Agreement #605 1700000981 - Deep Injection Stabilization; for stabilizing and lifting roadway pavements and bridge approaches.
- Brian Shutts administers the agreement for URETEK in Kentucky. He can be reached by phone at 269-208-5648 or email at brian.shutts@uretekusa.com.
- We also have a convenient link on our website for KYTC to submit a request to have Brian look at a roadway issue: <http://uretekusa.com/kytc>