

Interstate 55 & Railway Stabilization Bloomington, IL



Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> A 36" steel casing pipe was bored under I-55 and parallel railway embankment. Boring operations caused voids and unstable pockets in the wet, clayey soils under the highway and the railway. The concrete pavement above the casing pipe settled over 1". 	<ul style="list-style-type: none"> URETEK Deep Injection Process was used to stabilize and increase bearing capacity of soils around the casing pipe that was 12 feet below the highway and railroad bed. URETEK Method was used to fill voids and lift the highway pavement. 	<ul style="list-style-type: none"> Pre-Estimate Meeting with the pipeline owner, boring contractor, DOT and railway officials. Highway traffic was slowed but kept moving with approaching holiday weekend. Railway work required accommodation of high-speed train traffic. 	<ul style="list-style-type: none"> In-situ Technology: URETEK polymer stabilized loosened soils, filled voids, and lifted the settled pavement. Minimal Disruption: Successful and safe completion of the project in a day and a half with minimal traffic disruption and minimal expense to stakeholders.