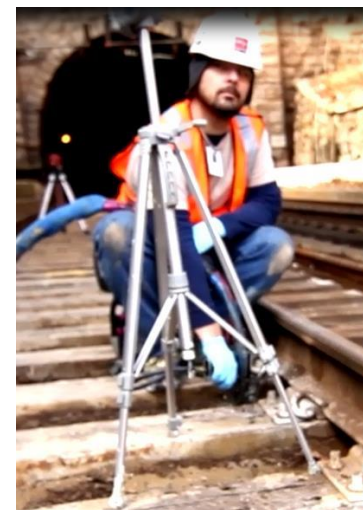


# AMTRAK – B&P Tunnel (multiple locations) Baltimore, MD



Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> <li>• Soft soils under track</li> <li>• Saturated soil and water pumped as trains passed</li> <li>• Rail settled 1.5"</li> <li>• Limited work hours – each location had tight project window</li> </ul>	<ul style="list-style-type: none"> <li>• Inject URETEK polyurethane from surface to dewater, stabilize soils, and lift rail to grade</li> <li>• Injection ports at various locations and depths</li> </ul>	<ul style="list-style-type: none"> <li>• Specifications</li> <li>• Designed injection port quantity and depth</li> <li>• Pre-construction meeting</li> <li>• On-site installation</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Minimal downtime:</b> Work performed within time frame</li> <li>• <b>Rail lifted to grade:</b> Rail lifted 1.5"</li> <li>• <b>Dewatered soil:</b> Solution pushed out water</li> </ul>