

# International Paper Rail Spur South Carolina



Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> <li>Leaking drain 8' below grade</li> <li>1.5" settlement under static load</li> <li>Rails deflected 5.5" when trains crossed</li> </ul>	<ul style="list-style-type: none"> <li>Inject URETEK polyurethane from surface to seal pipe, 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> All work performed in 6 1/2 hours</li> <li><b>Tested for 3 years:</b> Int. Paper's engineers monitored rail every time train passed for 3 years</li> </ul>