

# Egret's Nest Double Box Culvert Jacksonville, FL



Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> <li>• Soil erosion, caused by poor construction and leaky joints, has occurred above and below double culvert.</li> <li>• Soil erosion has caused a partial collapse of the culvert and threatens to collapse 10 other sections.</li> </ul>	<ul style="list-style-type: none"> <li>• Inject structural polymer from the inside of the culvert to fill voids and stabilize the structure to prevent further collapse.</li> <li>• Inject structural polymer to seal 8 culvert joints, and inject 50+ deep injections @ -2ft approx. 55lbs per point.</li> </ul>	<ul style="list-style-type: none"> <li>• City of Jacksonville</li> <li>• Auld &amp; White - Engineer</li> <li>• Designed injection plan</li> <li>• Forced-air ventilation</li> <li>• Pre-construction meeting</li> <li>• On-site installation</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Problem Solved:</b> 4 day installation resulted in void space being filled, 10 culvert sections stabilized, and 8 joints sealed to customer satisfaction.</li> <li>• <b>Minimal impact:</b> Work performed within time frame</li> </ul>