

# Mallet Bayou Box Culvert

## Freeport, FL



Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> <li>• 4.5" Crack around perimeter of box separated allowing for rainfall to move the roadway base material into box</li> <li>• Caused the roadway shoulder to fall in</li> <li>• Emergency repair</li> </ul>	<ul style="list-style-type: none"> <li>• Injection of structural hydraulic polymer in the gaps around the perimeter of the box to seal</li> </ul>	<ul style="list-style-type: none"> <li>• DOT Structural Engineer design</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> Emergency Repair performed in 1.5 days</li> <li>• 5'x7' Culvert stabilized mitigating further erosion of roadbed and subbase into culvert and Mallet Bayou</li> </ul>