

SR 24 – Culvert Joint Seal

Gainesville, FL



Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> • Inflow & Infiltration into culvert • Culvert not internally accessible • Pavement settlement due to loss of bearing soils 	<ul style="list-style-type: none"> • Inject structural polymer to fill voids and seal the culvert joints. • Injection plan covered 10 joints. Each joint required 3 injections, 2 at 8' on the sides of the culvert and 1 at 3' just above the culvert. 	<ul style="list-style-type: none"> • Designed injection locations, quantities and depths • Ground Penetrating Radar (GPR) to locate the voids • Pre-construction and safety meeting onsite with crew • On-site installation 	<ul style="list-style-type: none"> • Problem Solved: One day installation resulted culvert joints being sealed and void space filled in to customer satisfaction. • In-situ Technology: Filled voids and sealed culvert joints to prevent future inflow & infiltration.