



Plantation Parkway Culvert Rehabilitation

Culvert rehabilitation under Plantation Parkway in Fairfax, Virginia.

Owner: City of Fairfax, Virginia

Cost: \$ 584,136.10

Completion Date: January 2023

This project involves the rehabilitation of the twin culvert system that conveys the north fork of the Accotink Creek under Plantation Parkway. The scope of the project involves the shotcrete lining of CMP culverts, crack repairs, foundation reinforcement, sealant application to wing walls, the rehabilitation of two inflow channels and the construction of a plunge pool on the outfall of side of the culvert.

The Plantation Parkway project is a trenchless culvert pipe rehabilitation. This method allows culverts to be repaired instead of replaced which is a less lengthy and less invasive technique. Overall, culvert shotcrete and centrifugal spin cast rehabilitation drastically reduces local disruption, lowers costs, and reduces difficulties associated with conventional culvert replacement projects.

