

HydraWrap® (Fiber Reinforced Polymer)

Market

Municipal / County

Challenge

The challenge was to repair deteriorated timber support post for several pavilions in lieu of replacing the entire support column.

Engineered Solution

The solution utilized the HydraWrap Structural Composite Repair System.

Scope

Client was seeking alternate solution to repairing timber support post for park shelters. The support post had deteriorated at the soil-to-air interface - where the support post had been embedded in the concrete slab of the pavilion at the time of construction. The remainder of the timber support post above the concrete slab was in good condition.

Solution

To avoid replacing all of the support post, the client utilized the HydraWrap carbon fiber system to restore the deteriorated sections of the timber post at and below the concrete slab grade. The concrete slab, which was included in the scope to be replaced, was removed to expose the embedded timber post. Those post which revealed deterioration and loss of cross section were selected for repair using the HydraWrap system. The HydraWrap system was used to restore the profile of the 6" X 6" timber post and provide a reinforced protective repair to prevent future deterioration.



HYDRAWRAP
STRUCTURAL COMPOSITE REPAIR SYSTEM

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