



Case History No.: 92-2043

Date of Completion: September 1992

Description: 35,000' of Fabricated 30" - 12" diameter FRP pipe with bell x spigot end connections and rubber o-ring seals.

Location: Pinellas County, Florida (St. Petersburg-Clearwater)

Owner: FDOT

Customer: Traylor Brothers, Inc.

Scope:

The Bay to Bay Bridge (49th Street) crossing from Clearwater to St. Petersburg was designed and constructed with a storm water collection system to keep pollutants out of Tampa Bay. FRP pipe was chosen because of its high strength, light weight and corrosion resistant properties. The pipe was filament wound per ASTM D-2996. The resin system was a premium grade isophthalic polyester. The o-ring bell x spigot pipe was selected because thermal expansion could be handled in the bell ends eliminating the need for separate expansion joints. Reduced installation cost was also a consideration. This type of pipe is also available in pressure classes from 50 psi to 200 psi, for above ground and buried applications.

