



Florida Department of Transportation (FDOT)
Florida Keys
Intelligent Transportation Microwave System Design/Build
(130 miles video/data streaming - Florida City to Key West – US 1)

As part of the Florida Department of Transportation traffic monitoring system, which extends throughout the Florida Interstate system, Transcore required a cost effective solution for the backhaul of these large amounts of data. Fiber was not a cost effective solution for this project due to the large amounts of water being traversed. Transcore recognized the fact that the analysis of these microwave communications links was extremely difficult taking into account the tidal variations, atmospheric refractivity variations, multi-path and reflectivity issues associated with RF propagation across water. MCIS was chosen to complete the total system design of this extremely complex wireless system. As part of this effort MCIS made available the appropriate resources to provide full RF analysis and design, wireless project management, installation support, and FDOT training.