

## FHP Troop E Headquarters - Miami

This project was a complete renovation of the Al Lofton Building in Miami, which serves as the headquarters for Troop E of the Florida Highway Patrol. DMS managed this project for the Department of Highway Safety and Motor Vehicles (DHSMV). The sustainability goal of this project was to earn certification from the United States Green Building Council's Leadership in Energy and Environmental Design (LEED) rating system.

Pursuant to rule 60D-4, Florida Administrative Code, DMS required the consulting engineer to perform a life-cycle cost analysis of alternative engineering designs early on in the project. The analysis evaluated the total cost to own, operate, and maintain each alternative design over a 25-year period. The results of this analysis are available in the [FHP Troop E Florida Life-Cycle Cost Analysis](#) document. Please refer in particular to page three (3) of the document to review the DMS analysis of the results. The Florida Life-Cycle Cost Analysis Program was developed by DMS as the means for all state agencies to verify compliance with rule 60D-4, Florida Administrative Code.

The analysis evaluated four alternative engineering designs that ranged from meeting the minimum energy performance requirements of the LEED rating system to exceeding those requirements by 37 percent. The most energy efficient option was selected because it was the most cost-effective option. The analysis demonstrates that, in this case, exceeding minimum energy requirements by 37 percent will produce a payback within three years.