



## Extension of Livingston Road

Naples (Collier County), Florida

With Southwest Florida's need for additional North / South corridors to assist in reducing traffic volume on U.S. 41 and I-75, the extension of Livingston Road was a critical need for Collier County.

Hole Montes provided design, engineering, surveying, permitting and project management services for the Livingston Road segment that traverse the County from the Lee County line south to Immokalee Road. The construction of this segment was a major link in the planned north-south arterial route that will ultimately extend from Colonial Boulevard in Lee County, south to Davis Boulevard in Collier County.

The Hole Montes team conducted design and alternate location studies to arrive at an alignment that would reduce environmental and right-of-way impacts to existing wetlands and adjacent parcels. These studies required extensive vegetative mapping to determine the location and quality of wetland resources.

Hole Montes' Environmental Engineering Division assisted the Transportation Division by providing for 6.1 miles of 16-inch and 12-inch water mains. The Transportation Division also designed traffic signalization, sign and pavement markings, lighting and right-of-way plans for two lanes of an ultimate four-lane roadway including a bridge structure over the Cocohatchee Canal.

In addition to the complexity and challenges associated with designs for the extension of the roadway, the project required extensive planning and preparation of permit applications required by the Florida Department of Environmental Protection, the U.S. Army Corps of Engineers (COE), the South Florida Water Management District (SFWMD) and the Big Cypress Basin. Extensive agency coordination along with the planning and preliminary design of mitigation features was undertaken to offset the loss of jurisdictional wetlands.



© 2014 HOLE MONTES ENGINEERING, INC. ALL RIGHTS RESERVED. THIS DOCUMENT IS THE PROPERTY OF HOLE MONTES ENGINEERING, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF HOLE MONTES ENGINEERING, INC.