

# NE Florida Regional Airport Improvements (Phase I and II)

**Location:** St John's County, Florida  
**Client:** St Augustine-St John's County Airport Authority  
**Contact:** Mr. Mike Cornell, Project Manager  
904.209.0871  
**Value:** \$7,500,000

**Phase I:** In February 2011 TEI was awarded a contract with the St. Augustine- St. Johns County Airport Authority to implement Phase I of their Runway Safety Area Improvement and Spoil Island Mitigation project. The RSA improvements restored eroded shoreline using suitable material from the island and slope stabilization using an articulated concrete block protection blanket. The mitigation element of the project removed an existing 17-acre island just north of Runway 13-3 by clearing and grubbing trees and removing and transporting suitable material to a mainland stockpile. The area was restored to a saltwater tidal marsh with a channel to increase viable habitat for native birds, fish and wildlife. Due to Turnbull Environmental's experience and expertise in environmental construction, 95% of all material has been or will be reused by the owner. All the excavated trees were mulched and used at the airport, and the spoils were mixed and screened for utilization in Phase II. This project also included the installation of Culvert Boxes, RCP Pipe with Mitered Ends and Storm Gates as well as the planting of the RSA Improvement area and all disturbed areas.



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**Phase II:** In October 2011 TEI was award Phase II of this airport project. During this phase TEI removed the existing Taxiway C and extended Taxiway B to tie into Runway 13-3. The soft, organic soils were difficult to compact and stabilize. A combination of geoweb, geofoam, and fifty-seven stone was installed to create a stabilized sub grade in order to install the taxiway. TEI also was required to relocate an 850ft. by 50ft. salt marsh canal which required the installation of additional RCP as well as additional articulated concrete block to protect the RSA and shoreline. A variety of native wetland plants was planted along the RSA area in order to provide a living shoreline within the articulated concrete mat cells.



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Runway Safety Area (Improvements)  
(St. Augustine Airport)  
Image # 00227 2013  
Date: 06.23.13



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(St. Augustine Airport)  
Image # 00401 2015  
Date: 04.09.15



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Image # 00222 2014  
Date: 06.23.13