

BROWARD COUNTY CAPITAL BUDGET

PROGRAM
Beach Renourishment

PROJECT
Beach Renourishment

Funding Summary

	Actual Expenses Through FY 07	Modified FY 08 Budget	FY 2009- 2013						Total
			Design	FY	Construction	FY	Other	FY	
Beach Renourishment Segment III	46,717,021	13,861,937	0	---	4,300,000	MY	350,000	MY	65,228,958
Beach Renourishment Segment II	0	1,500,000	5,500,000	MY	30,250,000	MY	0	---	37,250,000
Port By-passing	1,326,863	1,587,860	2,250,000	MY	13,500,000	MY	1,000,000	MY	19,664,723
Environmental Monitoring and Studies, All Segments	0	2,200,000	0	---	0	---	9,550,000	MY	11,750,000
Support Costs	32,270	242,025	0	---	0	---	164,740	09	439,035
Reserves	0	0	0	---	0	---	15,804,360	MY	15,804,360

Project Comments

- Beach renourishment is the placement of sand on eroded beaches to restore shoreline position and sand volume. Beach restoration is important to protect upland private and public property from damage or destruction by storm waves. In addition, tremendous economic benefits are realized by Broward County, the state of Florida, and the nation due to the dollars generated by tourists visiting our beaches.
- Construction of the Segment III beach renourishment project was completed in February, 2006. The project involved placement of approximately 1.9 million cubic yards of sand from Hallandale Beach to Dania Pier and along the northernmost mile of John U. Lloyd Beach State Park. The project also included installing a spur on the south jetty of Port Everglades and two T-head groins at John U. Lloyd Park to increase the life of the beach restoration in this area. The US Army Corps of Engineers, the State of Florida, Broward County, and the cities of Dania Beach, Hollywood, and Hallandale are all sharing in the costs for the project. The Corps of Engineers paid 100% of the cost of 188,000 cubic yards of sand as federal rehabilitation of damage caused by the 2004 hurricanes. Funding is provided to continue permit-mandated monitoring of Segment III beach conditions and nearshore hardbottom communities.
- A sand search is being conducted to discover new sources of beach-compatible sand for placement onto Broward County beaches, including those of the City of Fort Lauderdale, the Town of Lauderdale-By-The-Sea, and the City of Pompano Beach. These beaches comprise Segment II of the Broward County Shore Protection Project. The search for sand will include not only the seafloor offshore of Broward County, but also areas offshore of other Florida counties and areas outside of US waters. In addition to finding new sand sources for Segment II, the County will reevaluate the Segment II project in the context of current economic and environmental conditions, and will propose a project appropriate to those updated conditions. Finally, a high-resolution study is being undertaken to ascertain whether erosion control structures can be employed along the County's shoreline to reduce the rates of erosion and help sustain our beach nourishment projects.

- Five year capital program reimbursements for beach renourishment projects are based on projected annual reimbursements from all sources. Federal and state reimbursements are subject to legislative appropriations and are not received until each project phase is complete.
- Federal funding for beach renourishment continues to be threatened. Congress has historically reaffirmed the Federal interest in shore protection; however, reimbursements for prior year expenses are expected to be delayed due to Federal budget pressures. Without the aid of federal and state sources, the high cost of beach renourishment falls on the state and upon local governments. To date, the federal government has reimbursed the County approximately \$5 million for the federal share of costs of the Segment III project. The County has requested a Congressional appropriation for FY 2009 of \$6 million to provide for continued partial reimbursements for County expenditures on the Segment III nourishment project.
- Surplus tourist taxes provide funding for the County's share of costs associated with the beach renourishment projects. The quality and availability of Broward County's beaches has a significant impact on tourism.
- The State of Florida Legislature dedicated a source of funding (approximately \$30 million statewide annually) for state participation in beach erosion control projects. The 2007 Legislature appropriated additional funds for repairing hurricane damage to beaches, which include the Broward County Beach Renourishment projects.

Port Everglades Inlet Management Plan

- The Port Everglades Inlet Management Plan includes a sand by-passing project intended to infuse 50,000 to 80,000 cubic yards of sand annually to the beaches of John U. Lloyd Park, Dania, Hollywood, and Hallandale thereby increasing the sustainability of the beaches south of the Port Inlet. A series of feasibility and engineering studies have been completed, and a sand by-pass methodology has been proposed and approved by the State of Florida. State and federal permit applications have been submitted, and construction is expected to begin in late in FY 2009.
- The State is expected to contribute 50% of the cost of the Port by-passing project. In FY 2010, Port Everglades will contribute a portion of the funding for construction of the sand by-passing project. The man-made, federally owned navigation features at the Port's inlet are widely regarded as major factors influencing the beach erosion south of that location, by interrupting sand transport to the downdrift shorelines.