

Appendix D



USFWS

The bald eagle has successfully nested on Back Bay NWR since 1996

Service Asset Maintenance Management System (SAMMS)

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WO Number	Asset Number	Title	Cost	Description
ALTERNATIVE B				
110538		Construct New Headquarters / VCS on Tract 244	\$5,000,000	The building incorporates the standard, medium-sized design developed by National Wildlife Refuge System and Engineering staffs. The Visitor Center will include exhibitry, site work, and exterior interpretive facilities, in addition to office space for our cooperating association, Back Bay Restoration Foundation.
2007707221		Construct Public Use Trail on Tract 244	\$10,000	This trail would be in conjunction with the newly proposed headquarters and VCS on that site. The trail would not be constructed until after construction of the headquarters/ VCS was complete and after the tract was re-forested. This trail would served as the primary public use trail for visitors to the new VCS. It would provide wildlife-dependant recreation and dog walking opportunities.
4133913	10020515	Rehabilitate Existing Headquarters/VCS into Primary VCS Building	\$150,000	This project would rehabilitate the majority of the 4,370 sq. ft floor space to enhance wildlife observation and educational experiences for the more than 120,000 annual Refuge visitors. Improvements would include new exhibits, sales outlet for cooperating association, and improved signage and interpretive panels.
94109890	10020504	Realign Entrance Road and Fee Booth	\$850,000	This project, begun in FY-09, will continue to re-align the entrance road and fee collection station, add 20-car parking lot at the entrance for hikers and bikers, and build a separate hiking/biking trail to separate the vehicular and non-vehicular traffic to improve public safety.
2006500689		Construct Lotus Garden Canoe/Kayak Launch Facility	\$200,000	As part of a new 4-mile, multi-facility canoe birding trail in Back Bay and it's tributaries, this project is part of a cooperative venture with the City of VA Beach to create a network of trails throughout the Bay for wildlife observation. The Lotus Pond facility is located on Asheveile Bridge Creek at Sandbridge Road.
2006500726		Construct Lovett's Landing Canoe/Kayak Launch Facility	\$200,000	As part of a new 4-mile, multi-facility canoe birding trail in Back Bay and it's tributaries, this project is part of a cooperative venture with the City of VA Beach to create a network of trails throughout the Bay for wildlife observation. The Lovett's Landing facility is located on Beggars Creek at Muddy Creek Road.
2005254622	10020580	Rehabilitate Water Supply Channel by Dredging	\$304,000	This project facilitates critical water level management activities/migratory bird habitat management. Dredging and removal of sediment that has built up in front of the main pump system will allow for more efficient transfer of water out of the impoundments when necessary. This pump system is responsible for water level control throughout the impoundment system, which is critical to providing quality habitat for migratory birds.
2005254601	10020563	Repair Storm Damage to Beach Facilities and Dunes	\$116,000	This project would replace worn, damaged, and missing barricades that protect sensitive shorebird habitat on the north mile of the refuge beach. In addition, it would replace worn, damaged, and missing signs and interpretive kiosks that provide information to over 120,000 visitors each year. It would also enhance the refuge dune system by rehabilitating/revegetating along the entrance road which currently lacks vegetation and regularly blows into the public roadway.

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WO Number	Asset Number	Title	Cost	Description
ALTERNATIVE B (cont.)				
2005254618	10020503	Replace Brick Shop/ Storage Building	\$555,000	This project would replace a delapidated storage building that requires regular maintenance and upkeep. Building is needed to store and protect refuge biological equipment (small boats, beach patrol vehicles), program supplies, and informational signs.
2005199978	10020575	Replace Roof on Bloodworth House	\$100,000	Replacement of the roof on this refuge quarters building would prevent costly maintenance of this three-bedroom house. Refuge staff, volunteers, Student Conservation Association/Student Temporary Experience Program employees, etc. utilize this building on a regular basis.
2005198743	10020502	Rehabilitate Gravel Roads on Impoundment Dikes	\$980,000	This project would repair gravel roads throughout the 4,500 acre southeastern portion of the refuge, which surround the refuge's moist soil impoundment system. Annual maintenance of these roads provides only temporary passage as holes and ruts require reshaping and significant gravel work to be fully repaired.
2006505604		Rehabilitate B-Pool at Water Control Structure	\$8,000	This project facilitates critical water level management activities/migratory bird habitat management. Replacement of this water control structure will allow for more efficient transfer of water out of the impoundment when necessary to provide migratory bird habitat.
200522345	10020598	Remove Hog Raising Parlor Building	\$108,000	This project would enable the refuge to remove delapidated and unused hog raising facilities (acquired with property) that currently pose a safety hazard to the public and impede habitat restoration efforts.
2008865108	10020546	Rehabilitate Tram Building for Lighting and Eye Wash	\$55,000	This project would provide required safety equipment for refuge staff and volunteers including emergency lighting and an eye wash station.
2005198763	10020597	Remove Hog Raising Building and Concrete Slab (2nd on Left)	\$96,000	This project would enable the refuge to remove delapidated and unused hog raising facilities (acquired with property) that currently pose a safety hazard to the public and impede habitat restoration efforts.
2005225344		Remove Hog Raising Building and Concrete Slab (1st on Left)	\$96,000	This project would enable the refuge to remove delapidated and unused hog raising facilities (acquired with property) that currently pose a safety hazard to the public and impede habitat restoration efforts.
2006500731		Construct Hell's Point Creek Canoe/Kayak Launch Facility	\$200,000	As part of a new 4-mile, multi-facility canoe birding trail in Back Bay and it's tributaries, this project is part of a cooperative venture with the City of VA Beach to create a network of trails throughout the Bay for wildlife observation.
2120860		Construct Interpretive Scenic Byway Improvements	\$900,000	Construct interpretive scenic byway improvements for an access and visitor support facilities at locations identified on the newly designated Virginia Birding Trail (VBT) Developing these areas will help promote birding and other wildlife assets to the public and help partners like Virginia and the City of Virginia Beach promote nature tourism.

WO Number	Asset Number	Title	Cost	Description
ALTERNATIVE C				
2006500607	10020535	Rehabilitate B-Pool at Water Control Structure	\$7,500	A fully functional B-Pool/B-Storage WCS is necessary to drain this impoundment during the spring and early summer to meet shorebird management objectives. The existing B-Pool/B-Storage WCS does not adequately draw down the water level in B-Poo due to accumulated silt and debris in the vicinity of the WCS. This project will re-open a canal from the deeper-water areas of B-Pool up to the WCS.
2007707216	10020541	Replace Water Control Structure for C-Pool to Bay	\$10,000	Currently, this WCS is one pipe with a flap gate. C-Pool is 190 acres and this one pipe is too small to effeciently drain the pool. We wish to replace the one small pipe with two larger pipes with flap gates.
2007707217		Construct Nanny's Creek Hiking Trail	\$20,000	This trail would be one of several new visitor service enhancement projects on the north and west side of Back Bay NWR. The trail would be approximately 1.5 miles from Nanny's Creek Road, running down the south side of the creek, to Back Bay.
2006500644		Construct Cooperative Trail Head and Trails	\$20,000	In conjunction with developing enhanced visitor services on the north and west sides of Back Bay NWR, we will work with the City's Hiking and Biking Trail Plan and local residential communités to establish a trail head and trails.