

## CCRA - Countryside - Basingstoke Canal

## Proposed Capital Works Programme 2010/11 to 2013/14

These capital projects will deliver urgent repairs and improvements to earth bank structures on the Basingstoke Canal identified in the bank inspection reports carried out by White Young and Green in partnership with Hampshire County Council. Where possible both material and required engineering monitoring cost have been included.

These costs are best estimations based on current knowledge and known rates of charges;

No.	Brief description	Amount (£'000)	Estimated date when this spend will start	Estimated date when this spend will finish	Risk of cost slipping or being more than what is estimated here? (High, Medium or Low)	Revenue impact i.e. savings or cost
1	West Hart Embankment – Category D ( Very High Risk of Failure) Land Slippage and Slope Slumping with multiple leakage from bed of canal. Tree and Vegetation Management with qualified engineering monitoring in place now and future.	150,000	ASAP	March 2010	Medium	Potential significant saving if work is done in order to manage risk of wide spread flooding. Sub Power Station and Village in close proximity. Extensive damage expected to surrounding property
2	Dogmersfield Old Swing Bridge Site off side embankment. Persistent seepage through bank with sheet piling and a clay backfill required.	15,000	April 2010	March 2011	Medium	Impact from flooding to agricultural land
3	Ash Embankment (West) Animal burrowing activity management required. Significant tree issues and vegetation clearance to gain access to bank for further monitoring. Soft Bank Protection requires upgrading	58,000	April 2010	March 2011	Medium	Impact from flooding to commercial and private land initially. Housing and substantial property not far away.
4	Chalturns Embankment at Dogmersfield – Category D	50,000	April 2011	March 2012	Medium	The towpath side bank is in imminent danger of collapse.

	(high risk of failure) Tree issues on banks, slumping with slope movement. Culvert within 10 metres. Requires repair and management with continual qualified engineering monitoring put in place					If it collapses, the potential for serious personal injury and third party damage is high. The cost of rebuilding after collapse would be considerably higher
5	Ash Embankment – down stream from Ask Lock – Sloping and slippage inherent. Slumping evident with significant vegetation management issues. Large trees need removing. Animal burrowing activity at the tow with seepage evident.	44,000	April 2011	March 2012	Medium	The integrity of this steep embankment is important as this protects a large private housing development. Failure to maintain could cause loss of life, property and amenity value.
6	Chatter Alley Embankment – tow ditch in poor state, water edge fair. Evidence of third party interference! No access from private land owner, no tree threats but requires qualified engineering monitoring	10,000	April 2010	Ongoing	Low	If were to collapse would cause severe flooding to neighbouring property. Consultation with private land owner.
7	Odiham Common (East) Towpath Leak through bank with critical voiding and potential for failure. Potential tree threats that require attention.	40,000	April 2011	March 2012	Low	Large volume of water would be let loose in this area causing immediate loss of amenity value and damage to a neighbouring SSSI area.

8	<p>Yew Tree Copse – Private Land ownership issue, we are responsible for bank. Undercutting leading to some instability. Tree and vegetation maintenance required. Animal activity. Requites qualified engineering monitoring.</p>	£10,000	April 2011	April 2014	Low	<p>Only requires monitoring with some vegetation management put in place. Consultation with Land owner initiated.</p>
9	<p>Tundry Pond Embankment – Animal activity in bank needs management, Culvert ? Old tree roots need removing and void filled. Coppice manage trees and vegetation. Improve free board.</p>	20,000	April 2011	April 2014	Low	<p>Loss of amenity value with expected flooding to rural area and woodland. Low risk.</p>

10	<p>Eastrop House Embankment – past leakage with loss of free board. Require extending culvert pipe and put qualified engineering monitoring in place.</p> <p>Put in place qualified engineering monitoring.</p>	£25,000	April 2011	April 2014	Medium	Access issue, towpath requires attention, raising up to provide additional free board clearance.
11	<p>Installation of Emergency Stop Gates to reduce and control risk down from high to medium. Minimise damage from flooding and reduce ongoing maintenance cost.</p>	£300,000 (over 3 years)	Commencing April 2010	April 2014	Low	The case for this action is to immediately reduce the risk from flooding. Additionally more control over water flow is achievable during emergency conditions with the added benefit of reducing ongoing costs.

12	An Inspection of all Culverts running under the canal now need s to take place. HCC Engineers are working on a schedule of rates at the moment. Access issues on remote parts of the canal will have effect on rates. There are approximately 30 culverts in Hampshire that will require inspection and we have allowed £500 / culvert.	150,000 (over three years)	Commencing April 2010	April 2011	Medium	Repair work is as yet unquantifiable!
	<b>Total 2010/11</b>	<b>£383,000</b>				
	<b>Total 2010/14</b>	<b>£870,000</b>				