

Current projects

Description	Outcome	Cost in 10/11 (£)	Life of project cost (£)	Status
Automating bridge inspections	Research report for use by local authority bridge engineers in improving productivity in bridge inspection. Project is developing techniques for the remote monitoring of bridges and other highways structures.	38,229	64,178	Underway since March 2009
Bridge deck slabs with non-metallic reinforcement	Research report for use by local authority bridge engineers, Highways Agency and others in repairing bridge decks using fibre reinforced polymers in place of steel bars when strengthening concrete bridges, offering better resistance to corrosion.	22,988	104,971	Underway since January 2009
Carbon composites for strengthening steel structures	Research report for use by local authority bridge engineers, Highways Agency and others in repairing bridge decks using fibre reinforced polymers in place of steel bars when strengthening steel bridges, offering better resistance to corrosion.	23,000	69,250	Underway since January 2009
Code of practice for traffic management systems maintenance	Code of practice for local authority highways engineers, on good maintenance management of traffic signals and equipment. Use of the code will ensure that traffic signals and equipment are properly maintained.	6,071	74,875	Underway since February 2009
Design and maintenance best practice guidance	The project is designed to flush out existing design and maintenance guidance produced by local authorities and others, with a view to making it more widely available, through the CIHT's Transport Advice Portal. This will improve efficiency in local authority highways maintenance both through standardisation and dissemination of techniques.	92,554	119,854	Underway since December 2009
Design of masonry bridge parapets	European standards for vehicle restraint do not properly cover the design and maintenance of masonry bridge parapets. The project is developing guidance in this area, of practical help to engineers tasked with maintaining such structures and keeping them safe.	16,891	45,000	Underway since March 2009

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PCIS - SCANNER/ UKPMS support	The project provides practical support to local authority highways engineers in the use of pavement management systems; as well as on-going updates to, and accreditation of, such systems. The outcome is better equipped engineers, using the tools they need to maintain their highway networks.	474,600	1,092,706	Underway since June 2008
Salt Cell future protocols	Two consecutive severe winters have shown the value of a central co-ordinating Salt Cell, to advise on the prioritisation of salt deliveries. However, there is a need to formalise procedures that have been largely developed on the fly. Output will be a set of protocols for use by Whitehall officials, GOs etc to operate any future Salt Cell (notably on the assumption that the staff currently involved will have moved on).	30,000	30,000	Underway since December 2009
Socio-economic modelling with HDM-4	The PVP programme has identified highways maintenance as a potential area where efficiencies could be gained, if there were a better understanding of the return on investment in maintenance. The project is using the University of Birmingham's HDM-4 modelling tool to examine the return from increased (and decreased) levels of maintenance spend. The project will provide evidence in intra-Whitehall discussions of funding allocation.	107,104	181,404	Underway since October 2009
Updating of highways maintenance Codes of Practice	The UK Roads Liaison Group's codes of practice are widely used and respected by local authority highways engineers. This project ensures that timely updates are posted on the web.	22,920	118,207	Underway since September 2009

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Asset management support	As local authorities prepare for Whole of Government Accounts and the move to International Financial Reporting Standards, there are a number of development issues around asset valuation which need to be addressed. The project provides local authorities with tools and guidance to support the changes required by forthcoming publication of new accounting rules.	252,749	324,117	Recently awarded
Winter 2009/10 review	The project will derive lessons to be learnt from the disruption to transport networks as a result of the severe weather in 2009/10. Should contribute to making the impact of future severe winters less.	150,000	150,000	Recently awarded
UKRLG research dissemination support	Support to UK Roads Liaison Group to scan highways engineering developments and make them available to local authority highways engineers. Output will appear as news in <i>Transportation Professional</i> , and as information on CIHT's Transport Advice Portal.	21,000	60,000	Tenders not yet sought.
Total		1,258,106	2,434,562	