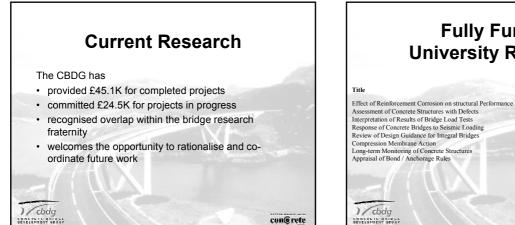


Aims of the CBDG The philosophy of CBDG is · to develop the wider and better use of concrete in the national bridge programme . to promote excellence in the use of concrete in the design and construction of bridges · to encourage the development of innovative ideas and concepts · to identify and support research and development needs.) chdg

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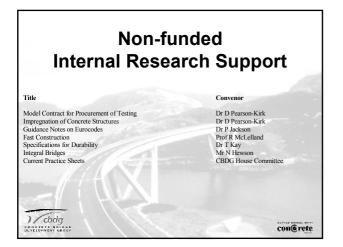


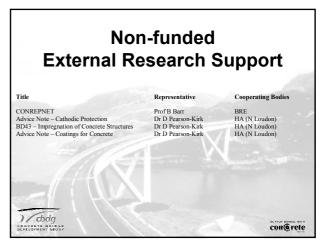




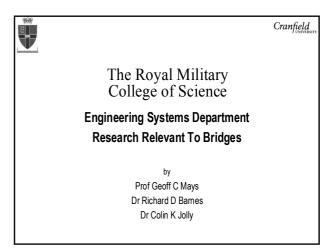


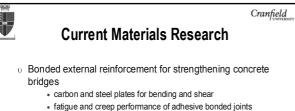
Industry Research		
Title	Contractor	Value £K
The Use of Fibre Composites in Concrete Bridges	Dr J L Clarke	3.2
Advice Note on Joining Bridges	TRL	3.5
Shear Tests on Infill Decks	TRL	14.0
Deteriorated RC Bridge Structures Involving Bond Tests	W S Atkins	7.5
Models for Specification for Durability	Taywood Engineering	1.6
Assessment of Concrete Bridges	Prof G Somerville	3.0
Use of Sacrificial Anodes	Various	2.0
Use of High Strength Concrete in Bridges	BRE (N Waleed)	3.5
) / chodg		con@rete











- · quality control and evaluation of adhesives
- υ Durability of lightweight concrete elements in bridge structures
- υ Structural integrity of repaired concrete bridge elements
- $\upsilon~$ Effect of confinement on anchorage and lap bonding
- $\upsilon~$ Design of novel lightweight and demountable bridges
- $\upsilon~$ FRP / concrete composite piles and bridge piers

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Current Load Response Research

- υ Fibre optic monitoring of road bridge performance
- υ Vulnerability of bridges to terrorist attack
 - · response of concrete elements to blast loading
 - · direct impact loading
- $\upsilon~$ Bridge resonant dynamics and its use to monitor component integrity

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