Network Rail Research Update  
BoF meeting - 13 Jan 2009

Recent publications
- Nil

Publications expected soon
- CIRIA Tunnels guide
- CIRIA Dry stone wall guide

Recent finishes
- Bath University – Lime mortar project
- Edinburgh University – Radar on arches
  *PhD awarded with 5 minor corrections*

Recent starts
- EU Coal and Steel Research Fund - BriFag
- Surrey University – Corrosion in elderly metallic bridges
  *PhD student now recruited*
- Innovative Multi–Materials Jointing Integrity Engineering (IMAJINE)
  *TSB funded, lead partners NPL and ESR technology NR & HA invited to join IAG*

About to start
- Marie Curie Initial Training Network 2008 call - Smart Management for Sustainable Human Environment (Cyprus Technical University)
  *Funding confirmation received December 2008 – final negotiations with EU awaited, probable start spring 2009*

On going
- Bath University – Dry stone retaining walls
- Leeds University – FRP on metallic structures
- Surrey University – Risk based inspections
  *Final meeting to be held in Feb 2009, thesis under preparation*
- UWE –Fatigue behaviour and remaining service life of masonry arch bridges
- CIRIA – Culvert design and operation guide
- CIRIA – Whole life asset management
  *Final review under way*
- CIRIA – Noise and vibration

Participation in on going work by others
- Highways Agency – FRP decking on pre stressed concrete beams
- BOF bridge inspection process and inspector competence
  *Final PSG meeting to be held on 28th January 2009*

Under evaluation
- EU 7th Framework Programme - Effective bridges
  *Initial evaluation challenged, new evaluation result expected in March*
- European Science Foundation Research Networking Programmes, 2008 - Masonry arch bridges (University College, Dublin)
  *Accepted as eligible, undergoing evaluation, final decision expected June 2009 for start in early 2010.*
New submissions
- Nil

Under discussion
- Surrey University – Risk based inspections
  *TFL appear interested in a follow on project*
- CIRIA – Risk & value management
- CIRIA – Update to guide for building in vicinity of old mine workings
- Edinburgh University and Parsons Brinckerhoff – Footbridge dynamics
- European Commission lead market initiative
- Construction procurement (International Construction Client Forum)

Previously reported developments not proceeding
- Marie Curie Initial Training Network 2008 call - Disruption and Damage to Critical Transport and Power Infrastructure (Birmingham University)
- European Commission Security Call - Extreme events on critical infrastructure (Bath University)

Other activities
- Invited paper on use of FRPs in railway civil engineering accepted by ICE Journal Engineering and Computational Mechanics
- Invited keynote speaker at ACIC 2009, Edinburgh