

SPaTS2 Home Safe & Well – Eliminating Risk from the Outset

What was the task? The task looked at early-stage highway scheme development and focus on the eliminate element of the principles of prevention.

Each deliverable should provide a tangible product that enables National Highways and the supply chain to eliminate risk collectively and systematically from the outset of every scheme.



ARUP AECOM



Specialist Professional and Technical Services 2 (SPaTS2)
Framework Lot 1 (Technical Consultancy, Engineering Advice,
Research and Innovation for roads, vehicles, highway infrastructure
and operations)
Work Order Ref: T0196

Home Safe & Well | Eliminating Risk from the Outset

Submitted by:
Arup AECOM Consortium

What work was done?

- **Work Package 2:** The outcome of this work package has provided a detailed review of National Highways current systems, processes and procedures that are in place for health and safety requirements at each PCF stage. Following this review, the next PCF Product update will include amendment of the Design Management section of the Stage 1 Supplier Quality Plan to include a *Safety by Design* plan which sets out how the Principal Designer is going to manage and monitor the design process and co-ordinate matters relating to health and safety during the pre-construction phase. ‘Safety by Design’ supports National Highways vision for Eliminating Risk From The Outset by allowing Designers to create new and innovative methods of road design and construction that eliminates risk to those constructing, maintaining or travelling on the network.
- **Work Package 3:** The outcome of this work package focused on a thorough review of Lessons Learned at Stage 1 paired with continued learning of lessons throughout Stages 2 to 6 and recommending increased usage of the Major Projects Knowledge Management Sharepoint platform.
- **Work Package 4:** The outcome of this work package was to amend the Pre Construction Design Report in the next PCF update to include a Design Strategy Record (DSR). The DSR acts as a signposting document, or direct record, of the design decisions that have been made, including those relating to health and safety. This is especially relevant where design decisions have been made to eliminate risk from the outset of projects.

What were the benefits to National Highways?

- Clear plan of how Principal Designers will manage and monitor the design process and co-ordinate matters relating to health and safety during projects.
- The ability to influence and implement meaningful changes on their schemes. It will ensure that all project teams are working towards delivering better HS&W outcomes earlier in the project lifecycle at lower cost and impact too.
- Ability to more accurately measure designer’s performance on highways schemes.
- Assists National Highways with assessment of compliance of H&S in design for Major Projects