

curriculum vitae

Rik Miall BEng (Hons) CEng MICE Director



Rik Hugh Miall, Chartered Civil Engineer, practices as a Director with Richard Jackson Ltd, consulting civil and structural engineers. He has an Honours Degree in Civil Engineering and was elected a corporate member of the Institution of Civil Engineers in 1999. He joined the firm in 2000 having previously worked for Suffolk County Council Highways and Transportation department since graduating in 1992.

He has had responsibility for structural works undertaken on numerous bridges and other structures owned by county councils, Railtrack, The Highways Agency, as well as private developers and individuals. This includes the design of new structures (including new bridges and retaining walls), the design of bridge strengthening and remedial works (both

permanent and temporary), slope stabilisation and embankment support designs and numerous structural assessments and inspections. This work encompasses numerous forms of construction including reinforced and pre-stressed concrete beam and slab decks, steel beam decks, cast and wrought iron beam decks, brickwork arches and viaducts and box culvert unit structures for both single and multi-span structures.

His other structural experience includes the design and assessment of both water towers and piers; foundation design for new housing, concrete batching plants and multi-storey car parks and the design of blast containers for oil rigs, all for private developers.

Preliminary design experience includes feasibility studies and Public Consultation for the development of numerous highway and structural schemes including A14 (T) Levington Link Road, B1115 Relief Road in Stowmarket and advising on the development and design of new pedestrian tunnelling in central London. Works incorporated preliminary design of both highway and structural elements and included liaison / consultation with all the appropriate Statutory Bodies including the Highways Agency, the Environment Agency, Railtrack, Environmental Consultants and both Local and County Councils.

He has been responsible for the design of Highway schemes on both trunk and county roads as well as for

private developers. These works include, link road design, alignment improvements, new junction designs and improvements, major highway maintenance schemes, drainage improvements and both traffic safety and management schemes.

Rik was Resident Engineer on major bridge reconstructions including the A1101 Lackford Bridge and the A11 (T) Fiveways Bridges in Suffolk. Resident Engineer on highway reconstruction and improvement schemes (including structural maintenance, highway improvement and traffic management / safety schemes). Assistant Resident Engineer on landfill and earthwork schemes.

- Collapse of highways structures, bridges and retaining walls
- Foundation failures due to settlement on made ground and underground features
- Erosion of riparian owner structures due to river diversions
- Rotational failure of embankments in clay
- Failure of underpinning schemes during construction
- Drainage problems / failures and flooding
- Highway pavement inspections and failures

Expert Witness

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