

SOUND ADVICE FOR CROSSRAIL CONTRACTORS



southdowns
consultants in acoustics, noise and vibration

Tendering and appointed contractors are already encountering onerous construction noise and vibration constraints and obligations on the Crossrail project, and as a consequence timely specialist input has already become a pre-requisite for this project.

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On the Ground

Southdowns is already providing specialist advice and on-site support to a number of organisations with interests in the construction of the Crossrail project.



To date, we have been commissioned to undertake various studies for both tendering and awarded contractors at the following locations:

- Royal Oak Portal – Westminster
- Paddington Station – Westminster
- Bond Street Station – Westminster
- Tottenham Court Road Station – Westminster / Camden
- Farringdon Station – City of London, Islington, Camden
- Liverpool Street Station – City of London
- Plumstead Portal – Greenwich
- Stepney Green – Tower Hamlets
- Pudding Mill Lane Portal – Newham
- North Woolwich Portal – Newham
- Victoria Dock Portal – Newham
- Eastern Running Tunnels / Western Running Tunnels – All of Central Section
- Thames Tunnels – Newham / Greenwich



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Unrivalled Experience

Southdowns has unrivalled expertise in supporting contractors on projects such as Crossrail, and offers the following unique attributes which distinguish the company from its competitors:



- Historic and ongoing involvement in the Crossrail project working for the last 6 years with the client organisation, the local planning authorities and the site investigation and enabling works contractors;
- Major London project experience gained on other schemes which include: Bond Street Station Upgrade, Tottenham Court Road Station Upgrade, High Speed 1, Cooling the Tube, East London Line, St Pancras International Station;
- In depth knowledge of the legislative requirements of the Crossrail Act 2008, and the project specific noise and vibration commitments;
- Approved supplier to the Crossrail project, providing ongoing advice to contractors and previous advice to the client body;
- Existing working relationships and trust with most London Boroughs;
- Complete understanding of Local Authorities concerns, requirements and powers relating to Crossrail construction;
- Accredited under the Link-up, Constructionline and UVDB pre-qualification schemes, quality systems certified to BS EN ISO 9001:2008, PTS trained staff, and CSCS cardholders;
- Extensive expertise in the management of construction noise and vibration from major London construction projects;
- Unique experience in groundborne noise and vibration from tunnel construction including temporary construction railway operations;
- Experienced in designing and implementing innovative noise and vibration monitoring strategies and solutions for major construction projects;
- Client focused, flexible and experienced in understanding the needs of, and working as part of, a major contractor organisation and integrated project team;
- Staff sit on the BSi committee for BS 5228 'Code of practice for noise and vibration control on construction and open sites', responsible for the re-issue of the Standard in 2009;
- Staff sit on ANC Working Groups responsible for guideline publications on environmental noise and vibration;
- National and international expert witness experience on the subject area of noise and vibration from construction;
- Highly competitive pricing structures.

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How we can help you

Our services will provide your organisation with the right expertise and added value at every commercial stage of your involvement in the Crossrail project.

Project Stage	Typical Activities
Pre-qualification	<ul style="list-style-type: none"> ■ Assistance on project appreciation ■ Provision of suitably qualified named staff
Tender	<ul style="list-style-type: none"> ■ Risk appraisal of contract documentation ■ Provision of noise, vibration and groundborne noise appraisals ■ Task identification and pricing for compliant works ■ Advice on required tender queries ■ Recommendations for risk management and/or contingency
Pre-start	<ul style="list-style-type: none"> ■ Programming of noise and vibration activities ■ Baseline noise and vibration surveys ■ Detailed noise and vibration assessments ■ Schedules of eligible buildings under the Crossrail Mitigation Scheme (Noise Insulation / Temporary Re-housing) ■ Identification of mitigation packages for Special Cases ■ Strategic advice on, and preparation of, Section 61 consent applications ■ Negotiating Section 61 consent conditions ■ Input to Crossrail specific pre-start deliverables
On-site	<ul style="list-style-type: none"> ■ Design and implementation of site noise and vibration monitoring protocols ■ Preparation of Work Package Plan statements for monitoring and compliance ■ Sourcing, testing and installation of unattended noise and vibration monitoring equipment ■ Management of noise and vibration monitoring (unattended and attended) ■ Routine interpretative reports of all monitoring data and compliance assessments for Project Manager and local authority ■ Ongoing review and input to Section 61 applications, dispensations and / or variations ■ Ad-hoc advice throughout contract on strategy and contract / legislative compliance

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Contact us



Please see our [Construction Noise and Vibration Brochure](#) in the Downloads area of our web-site for more details on our specific technical services. We offer a free introductory meeting with any organisation with a commercial interest in our expertise and capability.

Contact us now, to find out how we can provide support to your pre-qualification, tendering, pre-start activities and ongoing on-site activities to ensure you meet the specific requirements of the Crossrail project whilst meeting your own objectives.

We look forward to hearing from you.

To learn more more about Southdowns noise and vibration services please contact us on +44 (0) 1273 488186

or by e-mail to enquiries@southdowns.eu.com

For further information on case studies, please visit our web-site.

www.southdowns.eu.com/projects

'Southdowns has provided a professional and highly responsive service throughout our enabling works contract with Crossrail, particularly in the gaining of prior consents under Section 61 of COPA 1974 at 10 different work-sites to date.'

J B Riney

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