

# Capability Statement

Hoy & Dorman Consulting Engineers  
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**Hoy & Dorman Consulting Engineers provide visionary, innovative and professional engineering solutions for clients across the UK and Ireland.**

We offer genuine expertise in engineering planning, design, and construction administration. We have the experience, versatility and the professional approach to handle any sized project with personalised attention, timely response, and most importantly, cost-effective solutions.

## Civil Engineering

We provide our clients with a complete civil and transportation engineering service. Our key services include:

- Contract and project management
- Development planning and infrastructure design
- Drainage design
- Flood risk studies
- Geotechnical engineering
- Highway engineering
- Traffic and transportation

## Traffic Engineering

Hoy & Dorman is extremely experienced in providing clients with innovative solutions to facilitate existing or proposed sites with infrastructure capable of safely accommodating both vulnerable road users (pedestrians, cyclists, motorcyclists, equestrians) and motor vehicles. We provide the following services:

- Transportation Schemes
- Road Safety Audits
- User Audits
- Road Safety Engineering AIP
- Travel Plans
- Transport Assessments

## Highway Engineering

Hoy & Dorman offers a complete traffic engineering and highway engineering design service. Where required, we provide a supervision service through to project completion. We use advanced design and project management techniques to ensure the scheme design allows for the financial, time and physical restrictions involved in respect of:

- Junction Design

- Roundabout Design
- Highway and Junction Realignment
- Highway Improvement Schemes
- Car Park Design
- Drainage Design
- Highway Signing Schemes
- Traffic Signal Design
- Public Transport Facilities
- Traffic Management Schemes

## Transportation Planning

We have extensive experience in providing a range of services in transportation planning including:

- Intelligent Transportation Systems
- Network Modelling
- Transport Planning and Economics

## Environmental Consultancy

Environmental Impact Assessments (EIAs) are an essential component of any major project. Our environmental partners provide a wide range of technical skills and our experienced environmental planners co-ordinate robust environmental impact assessments that support practical development or design solutions leading to successful and sustainable outcomes.

## Geotechnical Engineering

Hoy & Dorman's geotechnical services include the planning and overview of geotechnical site investigations, designing foundations, assessing and upgrading slope stability, pavement design and hazard studies. These services can be employed in the early stages of a project to help determine cost impacts and conceptual design. Our areas of expertise include:

- Procurement and supervision of ground investigations
- Geotechnical site appraisal
- Landslide assessments
- Earthworks acceptability and re-use assessment
- Shallow and pile foundation design
- Geotechnical instrumentation, monitoring and reporting
- Ground improvement/stabilisation design
- Value engineering, alternative solutions

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## Water and Wastewater

Hoy & Dorman specialises in drainage design for the domestic, commercial and industrial markets. We create cost-effective solutions for drainage issues, including outfall problems, surface water control, flood protection and calculation of 'green field' runoff and associated buffer storage. We also carry out flood risk assessments, in support of planning applications.

## Project Management

Successful delivery of projects requires the ability to foresee difficulties, provide advice on the options available, recommend a course of action and have the depth of resource to follow through with the decisions made. Our key services are:

- Capital cost estimating
- Preparing schedules and bills of quantities
- Strategic procurement advice
- Contract preparation and administration
- Cost management
- Value management
- Whole life costing
- Risk management

## CDM Co-ordination

Our primary objective is to avoid risk in the design, construction and maintenance of a project. We believe the role of an effective CDM Co-ordinator requires sound knowledge of:

- Design – insight into the design and procurement process
- Construction – comprehension of techniques and activities
- Health and safety – good understanding of current legislation and best practice

All our CDM Co-ordinators are formally qualified, many of them in more than one discipline, and all have extensive experience in the essential elements of the construction process. The combination of our construction and safety engineering experience is ideal for undertaking the CDM Co-ordinator role.

## Expert Witness Services

We provide a comprehensive range of expert witness services covering engineering and environmental disciplines. We can serve as both advisor and expert witness and also assist our clients in many ways, including:

- Undertaking thorough examinations of all documentation

- Preparation and submission of preliminary reports
- Assistance in the disclosure and assessment of the opposing party's documents
- Liaison with the opposing side's expert in order to identify areas of agreement
- Acting as party or court-appointed expert witness
- Acting as the client's expert advisor on technical matters

## Lands Agent Services

Hoy & Dorman are highly experienced in all matters relating to major roads, land vesting, third party claims or formulation objections to proposed road alignments. We have a balanced understanding of constraints and opportunities for all affected landowners or objectors. Our services include:

- Advice prior to start of proposed scheme
- Formal opposition to proposed road schemes
- Accommodation works, early entry and general supervision
- Blight /purchase notices
- Compensation assessment and negotiation
- Compulsory purchase – vesting orders and notices
- Disturbance, injurious affection and severance
- Land valuation
- Public inquiry representations/expert witness
- Reinstatement issues

## Specialist Services

Hoy and Dorman Consulting Engineers provide specialised services offering creative and effective solutions to a wide range of projects. These services include:

- Transportation
- PFI/PPP/DBFO
- Training
- Secondment and Outsourcing
- 3D Visualisation
- Graphics and Media

We lead the way in sustainability and our reputation for an innovative approach, backed up with strong delivery, underpins our ability to create long-standing relationships with our clients.

For more information on any of our services please visit our website [www.hoy-dorman.com](http://www.hoy-dorman.com).