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Western Regional Group

M2 Junction 5 Improvements: Geotechnical Challenges

Ed Taylor
Senior Engineer, Sweco

Tuesday 18th November 2025

Online Only Talk: Starts at 6:30pm (Zoom room open from 6:15pm, see below for details)

The Western Regional Group is pleased to welcome Ed Taylor who will discuss some of the geotechnical challenges, and their solutions on the M2 Junction 5 Improvements project.

Edward's presentation provides an overview on the M2 Junction 5 Improvement Scheme, a junction upgrade scheme with aims to enhance journey times, reliability, and safety of the strategically important road network. The scheme presents a unique set of geotechnical challenges, including managing variable ground conditions and ensuring stability in compressible deposits and weathered chalk. The project involves constructing a flyover, reinforced soil walls, major earthworks, and several bridges while ensuring sustainable design practices.

Join us as Edward shares insights into innovative geotechnical solutions, extensive ground investigations, and collaborative design efforts that address these challenges. Learn how geotechnical engineering helped contribute to the successful and sustainable delivery of this National Highways infrastructure project.



Edward is a Senior Geotechnical Engineer based in Sweco's London office. He holds an MSc in Engineering Geology and a BSc Hons in Geological Sciences from the University of Leeds. Edward joined Sweco in 2019 and has since been involved in several major infrastructure projects, including the M25 Junction 28 Improvements and M2 Junction 5 Improvements for National Highways, as well as smaller projects across the UK.

Online Only Event; When: 18th November 2025 at 6:30 PM. **Non-members welcome. Zoom Details:** Zoom "room" opens from 6:15pm. Zoom Link: <https://us02web.zoom.us/j/86864096151?pwd=GBZ4U6NfUw6hysq7CxdJ8QSjbPsBma.1>

e-mail

Get in touch

westernregionalgroup@gmail.com

www

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