

Permanent Way and Signalling

Crossrail Signalling

OSBORNE



Embracing collaboration for Crossrail West signalling enabling works

From the outset we recognised that successful completion of the Crossrail West Outer Signalling Renewal would require end-to-end teamwork to mitigate the risks associated with providing new cable routes, location cases, REB foundations, PSP foundations, UTX's, DNOs, signal structures, substructures, and ancillary works in association with migration of the existing signalling equipment over 17 miles of operational railway.

We opted to take on a wholly collaborative and open relationship with our customer and principal supply partners to ensure the timely, efficient and compliant delivery of every element of these highly inter-linked and complex works.



Creating innovative and sharing behaviours

The project to design and construct the civils works as part of the integration of Crossrail with existing operational railway infrastructure at its western extremity covered a 17 mile section of four track main line railway and several associated branch lines, between Hayes and Harlington Station and Twyford Station. This self-contained package of signalling works was required to migrate the existing signalling equipment for control by TVSC.

Recognising the importance of identifying and collaborating with our chosen supply partners was key to ensure the right skills and minds were working together to create opportunities and mitigate risks for our customer. By developing a fully collaborative relationship with our supply partner we created an environment for innovation and sharing of best practice to ensure the signalling scheme could progress as planned.



Joint teambuilding and workshop sessions were used to help embed the collaborative ethos, as well as aid the development of an agreed "Behaviours Charter." Our collaborative team worked together to set out required standards and behaviours to share knowledge and skills and create an environment for innovation and best practice to flourish.

Permanent Way Work Manual

Y Pai



Permanent Way Work Manual:

Decoding **Permanent Way Work Manual**: Revealing the Captivating Potential of Verbal Expression

In a period characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its capability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Permanent Way Work Manual**," a mesmerizing literary creation penned with a celebrated wordsmith, readers set about an enlightening odyssey, unraveling the intricate significance of language and its enduring impact on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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