

# Structures - Crossing Rail Infrastructure As 'Outside Party'

OSBORNE

Northern Road Bridge, Portsmouth City Council – an integral bridge design constructed on-line with no abnormal rail possessions

“Very good news indeed, and this all down to the professional manner that Osborne’s have conducted themselves, it has been a very good working relationship between Network Rail and Osborne’s and long may it continue.”

| Project Manager | Wessex Route Control



# Issue

Whether it's a crossing over the railway or under the railway, for local authorities and developers alike, constructing near rail infrastructure can be inherently risky.

How can you achieve an efficient time/cost solution that reduces the risk of working as a Network Rail 'outside party'?

# Solution

Engage a designer and contractor with proven Network Rail 'outside parties' capability as soon as practical. Ideally under a 'design and build' arrangement which stimulates innovative collaboration.

Our Infrastructure business understands the complexities of the rail/road interface and the processes for protecting Network Rail assets which increases project surety.

We can 'design out' risk and incorporate specific Network Rail requirements from the very outset. That means the rail approval process runs smoothly providing surety of programme milestones.

We can provide advice at any stage of design to ensure the right solution is developed for the conditions. That could be constraints around rail possessions, limited space, time or budget. Here are some of our solutions for crossing under or over the railway:



Figure 1 - Chalvey Bridge – built off-line and jacked in open cut during weekend rail possession.



Figure 2 - Lakeside Underpass – temporary heading with reinforced concrete box built inside.



Figure 3 – Broadstreet Bridge – built off-line and moved with SPMT's into position in rail possession



Figure 4 - Leigh Road Bridge, SEGRO – built off-line and launched during overnight rail possession

# Outcome

Delivering road/rail crossings is at the heart of our Infrastructure business and we collaborate smartly to produce quality Customer focussed solutions which successfully manage risk.