



Project Title:	Shoreham Platform Strengthening
Client:	Network Rail
Date of Work:	March 2016

Project description

Part of the existing platform spans over a public highway. The existing construction was a ribbed precast concrete deck, the deck however was in poor condition and spalling badly.

The initial scheme remit was to install Mountbridge frp platform™ (Patent no 2515519) to the bridge area. However it was found that both platforms contained large amounts of power cables embedded within the platform.

A revised remit was compiled by Hammond this proposed the installation of compound frp beams, inserted into the voids between the ribs.

During the works it was also found the top flange of the steel bridge girders were badly corroded where they were in contact with the concrete ribs. Further strengthening works were designed and undertaken by Hammond along with other minor landscaping issues.

Project Constraints

- Ecology
- Planning
- Public Interface
- Working at Height
- Agreeing with local authority positioning of scaffolding over public highway
- Pedestrian management