



Project Title:	Highfield Road Bridge
Client:	Highways England
Date of Work:	Oct 2015

Project description

Liaised with landowners and local authorities and obtained consent for access, any permits required and lane closures etc.
 Established traffic management facilitating and safe access as required.
 Cleared all vegetation from structure and adjacent to wingwalls (approximately 2m) and with the Engineer, surveyed the existing substructure to undertake repairs.
 Excavated trial trench against each parapet to confirm detail between base rail and edge girder.
 Established access scaffold to undertake the works ensuring metalwork was fully accessible and gas pipe was fully protected.
 Removed existing handrail carefully removing the existing connections.
 Mechanically cleaned all metalwork to St.3: Very thorough hand and power tool cleaning, immediately applied blast primer.
 Attached new handrail cap to parapet handrail using an epoxy resin adhesive.
 Cleaned and repointed jack arches.
 Installed new coping stones.
 Painted all metalwork with final two coats of paint.
 Constructed new timber post and rail fence line across old formation.

Project Constraints

Ecology.
 Listed Building Consents.
 Public Interface.
 Poor condition of structure.
 3rd party negotiations (landowners).
 High Level access.
 Traffic Management.