

### Bridge Refurbishment – Carnoustie

#### Survey, Design, Manufacture & Installation

The foot bridge, built out of old bullhead rail sections with bolted connections, was suffering from heavy corrosion and rotting wood.

MSD Design Ltd carried out a full laser survey and engineering examination of the structure. The design and fabrication of steel stiffening members with lightweight GRP infill panels produced a high-tech 21st Century finish to complement the original structure. DDA handrails and non-slip GRP treads were installed bringing the bridge up to date with the latest standards.

After



Before



GRP Replica Columns

### Personnel Bridge – Maybole

#### Survey, Design, Manufacture & Installation

This bridge is a unique cast iron structure which was in dire need of some care and attention.

MSD Design Ltd proposed the refurbishment programme after survey and progressed the works to the satisfaction of the client.

We produced GRP replica columns, column heads, banisters and non-slip walkways & stair treads.



Before



After



Both sides of the bridge were refurbished.

### Motherwell – Road Bridge

#### Survey, Design, Manufacture & Installation

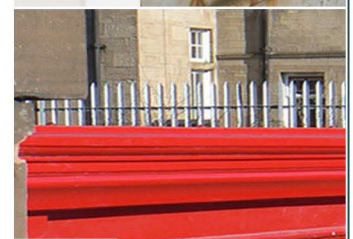
The parapets on the bridge were of cast iron and were badly corroded with parts missing.

MSD Design Ltd surveyed the bridge and proposed solutions which involved replacement of the cast cope with a GRP replica.

The works were completed to the satisfaction of the client.



Before



After