



Client: Lincolnshire County Council

Sector: Public realm

### Challenge

The client was keen to provide a high level of aesthetic and inclusivity to this redevelopment of one of Boston's oldest medieval streets, to increase footfall and provide a conducive environment for the local traders and consumers. There were challenges around shallow services, levels and drainage that made it difficult to design for the required use.

### Solution

- A full evaluation of the project to identify the required trafficking needs and inspection of core samples to understand the likely depths of sub ground services
- A bespoke pavement engineering design that delivered a cost-effective solution above that achievable by an equivalent British Standard design and which worked with the shallow construction depths on site
- Detailed support with the construction detailing and placement of movement joints

### Outcome

- A workable construction detail that allowed for the aesthetics, trafficking and shallow services present
- Project support and engagement from design stage through to construction and completion
- A great improvement to the aesthetics and accessibility for all, delivered on target for both time and costs

*"The support provided by the Marshalls team throughout the project was of a really high standard. They were quick to respond and supported me throughout both the design and construction phases, reviewing proposals and evaluating risks, helping us to deliver a scheme that met the challenging requirements of this project."*

Lead Design Engineer, Technical Services Partnership, Highways, Lincolnshire County Council.

### Cost Saving



Over £3,500 in comparison to a BS7533 design

### Carbon saving



16% reduction in comparison to a BS7533 design



Design & Engineering – **Case study**

**Dolphin Lane, Boston.**

