

# DERRIFORD HOSPITAL INTERCHANGE

Water Management

  
**Marshall's**  
Creating Better Spaces



**Contractor:** Ryearch

**Engineer:** Amey

**Products Used:** Pave Drain,  
Bus stop kerb, Kerbs, Tactile,  
Conservation Paving Charcoal,  
Beany, Street Furniture

## Background

The road outside Derriford Hospital has been widened to allow buses to travel in both directions, helping to reduce congestion outside the main entrance and making bus journeys to and from the hospital quicker and more reliable. The scheme will provide better waiting areas for bus and taxi passengers and those getting dropped off or picked up by car, four additional bus stops will be installed, and footpaths widened to provide more space for waiting passengers.

Developed in partnership with Plymouth Hospitals NHS Trust, the scheme cost just over £2 million and was part funded through the Heart-of-the-South-West Local Enterprise Partnership (LEP).

The Derriford Hospital Interchange scheme is part of a master plan of highway improvements on and around the city's 'northern corridor',

connecting with the new Marjon Link Road and complementing other schemes such as the Derriford Transport Scheme, where construction has just got under way.

## Approach

A cost effective lifetime cost was the key aspect of the project, along with a robust system which would never need to be replaced as there is a high level of trafficking within the area; Derriford hospital is Plymouth's 2nd busiest bus interchange, and the constant bus overrun meant a high loading drainage solution was crucial.

Pave Drain was chosen as it provides a cost-effective solution, which is robust enough to withstand frequent heavy vehicle overrun. Even with the heavy trafficking, the system will never need to be replaced keeping the lifetime costs extremely low.

Through Marshall's concrete expertise and heritage in natural stone, Pave Drain was developed to complement our most popular paving products. By having a coordinating top unit, the drainage can blend seamlessly with the surrounding paving, with no need to break up the overall aesthetic with a traditional grated solution, whilst also retaining an excellent inlet and loading capacity.

Amey utilised Marshall's complimentary design service for the drainage packaging of the scheme which ensured a fast turnaround. This was important as the scheme was delayed by 3-4 months before construction works could proceed, which affected travel in the surrounding area, so speed of construction was essential.



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## Outcome

Marshalls was ultimately able to deliver a drainage solution which met all the necessary requirements outlined by the client, and which is tough enough to withstand the heavy trafficking throughout its lifetime.

