



- > A-ONE+
- > HULL CITY COUNCIL
- > OCTOBER - DECEMBER 2016

# A63 Castle Street Hull Innovative Event Crossing

When Hull was made the UK City of Culture for 2017, it needed to prepare for increased footfall from thousands of international visitors to a year-long series of events.

For Hull City Council, that created some potential challenges with traffic and pedestrian flow around the city and to key event venues. Colas were appointed to provide a smooth and safe crossing over a major arterial route.

## The Need

The A63 is a main arterial route through Hull which links the M62 to the busy Humber docks area and the ferry and cargo port. With City of Culture event venues both sides of this major road, the number of pedestrians needing to cross the A63 at the Castle Street junction was set to rise all year – and peak for some particularly large events.

Hull City Council recognised that the existing pedestrian crossing was not

sufficient for this increased footfall. It asked Highways England to find a way of ensuring public safety, without causing too much disruption to road traffic. In particular, it wanted the ability to flex the system to help manage the largest events where pedestrian numbers would be highest. In turn, Highways England turned to A-One+, the joint venture established by Colas and key partners, to devise a solution.



“This was a great achievement that could only have happened by the team working collectively and showing that you are very much a dedicated, talented and creative team.”

**Mark Ramsden**  
Highways England, Area 12  
Service Delivery Team Leader,  
Operations Directorate



## Our Approach

### Providing an innovative solution

A-One+, including members of the Colas team, designed a flexible solution built around a traffic signal controlled Puffin crossing. This primarily operates as a staggered crossing, similar to the original layout, so traffic is stopped in one direction only, at any given time.

However, when events take place, it can be readily converted into a 10 metre wide crossing, allowing many more pedestrians across safely at the same time.

The innovative solution was built around a ‘plug and play’ system that means the crossing can be switched to event mode (and back) with minimal on-site work. The system was linked to both Hull City Council’s Urban Traffic Management and Control (UTMC) system and Highways England’s Remote Monitoring System (RMS).

### Delivering at speed

With the solution agreed, we were able to utilise our expertise and fully deliver the project. From the civil engineering, road surfacing, road markings and traffic management, through to the supply and installation of the traffic signals and associated detections system, on time, before the end of December 2016.

- > Highways England / A-One+ (Area 12)
- > Value Size £100m - £250m
- > Temporary crossings for major national event
- > Public Safety top priority
- > Minimal disruption to busy A-road
- > Permanent solution to long-term challenge
- > Delivered on time

“ I know the delivery timescale and urban location of this scheme provided some challenges but it’s to everyone’s credit that we can work closely together to deliver these types of schemes when needed. ”

**Stuart Allanson**  
**A-one+**  
 Integrated Delivery Team  
 Project Manager



### Associated Benefits

As well as providing a safe, flexible and successful solution for major events during 2017 and beyond, we ensured the new crossing was fit for the future, replacing the existing tungsten halogen traffic signals heads with more efficient Light Emitting Diode (LED) traffic signal aspects and detection system.

### Minimal disruption

The full project took 6 weeks to complete, our ability to deliver and manage all aspects ensured minimal disruption and a smooth concurrent installation and build process.