



## Eastern Perimeter Road, Heathrow

### THE TASK

TPS was commissioned to design the new Eastern Perimeter Road at Heathrow Airport. This new road enables BAA to close the existing East Church Road, thereby providing enhanced road communications around and within the airport. The design works included geometrical alignment, junction layout, pavement design, drainage design, geotechnical design, service co-ordination, road signing and markings.

### THE DESIGN

The design has comprised approximately 2km of new highway including a large at-grade roundabout and traffic signal controlled junctions, together with sheet piled walling. We have included connections to various airport-related facilities as well as numerous pedestrian and cyclist facilities. All elements of the project were designed in accordance with the Highways Agency's current highway design standards.

Environmental benefits were achieved by innovative use of airfield drainage systems in a landside situation enabling existing airfield pavement materials to be retained as part of the new pavement foundation.

### THE SERVICE

The design services we provided included construction drawings, specification, Health and Safety planning, and design support during the construction of the works.

### THE RESULT

The successful design and completion of the Eastern Perimeter Road at Heathrow airport has provided enhanced road communication in and around the airport, contributing to the overall efficiency and ease of use of the airport, for airport users and workers. The design meets the needs of all road users, including car and freight drivers, pedestrians and cyclists

#### CLIENT:

BAA

#### PROJECT VALUE:

£9.5m

#### SERVICES:

○ Highway Design