



## Case Study

### Hertford General Hospital, Hertford

#### Background

Cole Easdon Consultants were the Civil and Transportation Engineers on this project which involved a redevelopment of the Hospital layout including a safer and more efficient access arrangement. The extension to the Hospital included a new car park arrangement in order that adjacent land could be redeveloped for housing.

#### Client

Initially the client was the local NHS Trust. Subsequent instruction relating to detailed design was in the form of a *'design and build'* contract under Rydon Construction who were engaged by the NHS Trust.

#### CEC Input

- Preparation of comprehensive Transport Assessment that accompanied planning submission/approval.
- Detailed design of new priority junction access arrangement on the public highway (North Road), together with new internal road including large roundabout serving the Hospital buildings, the car park, as well as the proposed housing development land.
- The Hospital car park was designed to ensure efficient and safe access for pedestrians between it and the Hospital building. The layout also ensured an efficient 'Search and Seek' route for car drivers searching for a car parking space within the Hospital car park.
- Detailed design of Hospital car park.
- Road Safety Audits Stages 1,2 and 3.

- The revised internal road alignment including the new roundabout had to be carefully designed in order to take account of the topography of the site which had a significant gradient across it.

#### Benefits of Our Involvement

- The experience of CEC Engineers with respect to design of highways and car parking works ensured that the client was provided with an efficient and cost effective solution.
- Experience of CEC working as part of a multi-disciplinary consultant team ensured that a sustainable and innovative solution for the Hospital operation was achieved.
- CEC was able to focus on delivery and client care.
- Construction details and layouts designed by CEC took account of buildability, sustainability of materials as well as mitigating impact of existing utility services where possible.

Before



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