

## Matter 17 Appendix 2

(extract from ORD5, Page 70 and 71 of the AECOM Technical Note, North Herts, Preferred Local Plan Model Testing – Problem Locations, dated 22/9/2016, the Graveley Road/ North Road junction)

|                  |                                             |
|------------------|---------------------------------------------|
| <b>Location</b>  | B197 Graveley Rd / B197 High St / North Rd. |
| <b>Reference</b> | HM20                                        |

### Description of Problem

The B197 is the main road linking Stevenage, A1(M) junction 8 and Baldock. The priority junction has been identified as problematic in the AM peak as large queues and delays occur on the junction approaches and North Road traffic is opposed by large volumes of traffic using the A197.

### Mitigation Proposal Details

To provide sufficient network capacity to accommodate the future year level of demand, it is proposed that the junction be converted to a roundabout with 2 lane flared entry on all arms to help traffic exit North Road.

Access to a proposed development north of Stevenage may be located near to this junction. This mitigation scheme may therefore be superseded by / addressed by access arrangements for any future development scheme.



### Outline Cost Analysis

Please note the pre-tender designs are not fully detailed, that they will need to be developed, revised and refined during the detailed design phase, and therefore, any quantity derived from such pre-designs will be indicative only.

The costs estimates are based on outline design drawings and any quantities shown are indicative only. Further scheme development is required to refine the cost estimate. The cost estimate for delivery excludes the following:

- Third party land acquisition costs and accommodation works costs
- Dedication of Land, Land to be passed over to the council as highway.
- Legal costs
- Landscaping design
- Statutory Undertakers design fees
- Statutory Undertakers diversion and or protection costs
- Ground Investigation cost

- Traffic Regulation Orders & any associated TRO consultation
- Contract documentation for appointment of the preferred contractor
- Tendering of the work

Initial costs for implementing this junction were based on a construction year of 2021 accounting for inflation, with the breakdown of the costs outlined in more detail.

| <b>Works Element</b>                            | <b>Estimated Cost</b> | <b>Notes</b>                   |
|-------------------------------------------------|-----------------------|--------------------------------|
| Construction Items                              | £340,000.00           |                                |
| Allowances for Design Fees                      | £68,000.00            | 20% of the construction items  |
| Allowances for Preliminaries                    | £51,000.00            | 15% of the construction items  |
| Allowances for Traffic Management               | £68,000.00            | 20% of the construction items  |
| Allowances for Supervision                      | £34,000.00            | 10% of the construction items. |
| Allowances for Utilities/Electricals            | £68,000.00            | 20% of the construction items. |
| Sub-Total for allowances and construction items | £629,000.00           |                                |
| Optimism Bias                                   | £277,000.00           | 44% of sub-total               |
|                                                 |                       |                                |
| <b>Cost for Delivery</b>                        | <b>£906,000.00</b>    | 2021 Construction Year         |