

## Costing of Infrastructure Requirements

### Safer Roads Challenge Bid - A1303 Road Safety Improvements

Date: 27/04/2017

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Checked:

| RISK REGISTER |              |   |   |            |  |                                   |             |         |                 |                 |
|---------------|--------------|---|---|------------|--|-----------------------------------|-------------|---------|-----------------|-----------------|
| Ref           | Category     | Risk description  | Consequence   | Likelihood | Mitigation   | Post-mitigation Cost of Risk (£k) |             |         | P50             | P100            |
|               |              |   |   |            |  | Minimum                           | Most Likely | Maximum | Risk Value (£k) | Risk Value (£k) |
| 1             | Procurement  | Price Fluctuation   | Additional cost   | 10%        | ECl with term contractor, involvement from design stage                                | £0                                | £1,000      | £2,000  | £100            | £200            |
| 2             | Construction | Exceptionally adverse weather                                     | Delay to delivery   | 10%        | Review weather allowance in programme  | £250                              | £500        | £800    | £50             | £80             |
| 3             | Construction | Unforeseen ground conditions                                      | Redesign and rework                                       | 20%        | Undertake ground radar survey  | £100                              | £300        | £500    | £60             | £100            |
| 4             | Construction | Traffic Management causes significant delays to travelling public | Changes to TM - reduced working periods, additional costs | 20%        | Model proposed TM and ensure TM considered as early part of programme                  | £0                                | £2,000      | £4,000  | £400            | £800            |
| 5             | Construction | Availability of plant/labour/materials                            | Delay to delivery and potential additional costs          | 10%        | ECl with term contractor about delivery timescales and countermeasures to be delivered | £0                                | £100        | £200    | £10             | £20             |
|               |              |   |   |            |  | £350                              | £3,900      | £7,500  | <b>£620.000</b> | <b>£1,200</b>   |