### Summary of Key Impacts

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
<th>Quantitative</th>
<th>Assessment</th>
<th>Monetary</th>
<th>Distributional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impacts</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Business users &amp; transport providers</td>
<td>The scheme provides significant level of business user benefits. There are broken down into £68.4m travel time benefits and £0.3m vehicle operating cost benefits.</td>
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<tr>
<td>Reliability</td>
<td>The scheme has a journey time reliability value of 0.993. As stated in WebTAG Unit 3.5.6, this score is assessed as Neutral. Journey time reliability for the scheme may be underestimated because the stress based methodology excludes the effects of junctions.</td>
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<tr>
<td>Regeneration</td>
<td>The scheme is unlikely to have any significant impact on unregistered or Levels in Regeneration Areas.</td>
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<tr>
<td>Other impacts</td>
<td>Other impacts are not included within the appraisal of the scheme.</td>
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</tbody>
</table>

### Economic

- **Monetary Distributional:** £7.5m
- **Role:** National
- **Region:** East Midlands

#### Impacts

<table>
<thead>
<tr>
<th>Impact</th>
<th>Description</th>
<th>Value of journey time changes (£)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business users</td>
<td>£96.5m</td>
<td></td>
</tr>
<tr>
<td>Transport providers</td>
<td>£1m</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>£10.5m</td>
<td></td>
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</tbody>
</table>

### Environment

#### Air Quality

- **PM10:** -11
- **NO2:** -95
- **Air quality:** Improvement: 174 properties; No change: 0 properties; Deterioration: 0 properties

#### Noise

- **Decrease in perceptible noise at a number of properties within the scheme area:** One perceptible increase in noise level versus 91 perceptible decreases in noise level in year of opening. Improvements are attributed to the scheme. 44 properties exposed to noise levels in year of opening and 154 people with scheme. Net change in population: -198.

#### Biodiversity

- **Slight Adverse:** 1 animal species
- **Moderate Beneficial:** 1 group historic buildings

#### Urban design

- **Increased number of parks and play areas:** 12 regionally important archaeological sites including Bronze Age activity, Iron Age and Roman settlements, 1 arch. site, 1 group historic buildings

#### Social and Distributional Impact

- **Income quintile:** 1, 2, 4 & 5 = Moderate
- **Income quintile 1, 2, 4 & 5 = Neutral, 3 = Large Beneficial

### Summary

- **Estimated 168 people likely to be adversely affected by traffic noise in the longer term without scheme and 154 people with scheme.**
- **Net change in population:** 14
- **Estimated 46 properties exposed to noise levels in the long term.**
- **NO2:** £0.008m
- **PM10:** -11

### Accidents

- **Personal Injury Accident Saving:** 194
- **Casualty Savings:** Fatal 14, Serious 68, Slight 242

### Security

- **The scheme is designed to modern standards and there is no significant change to the existing situation.**

### Local Government Funding

- **Amount:** £0.0m

### Indirect Tax Revenues

- **Amount:** £68.4million

### Public Option values

- **Transport availability:** Unaffected by the scheme.

### Notes

- **SDI as a proportion of £25m:** N/A
- **Income quintile:** 1, 2, 4 & 5 = Moderate Beneficial, 3 = Large Beneficial

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**Value of journey time changes (including non-motorised journey time changes):**

- **0 to 2min:** £10.5m
- **2 to 5min:** £12.6m
- **> 5min:** £38.1m

**SDI as a proportion of £25m:** N/A

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**Notes:**

- **Regional Emissions:** NOx.
- **Regional income quintile:** 3 receives a score of Large Beneficial. All other income groups receive a Moderate Beneficial impact. 3 = Large Beneficial

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**Contact:**

- **Date produced:** 18-Nov-13
- **Location:** Port of Immingham Improvement
- **Name of scheme:** A160/A180 Port of Immingham Improvement
- **Promoter/Official:** South Killingholme and provision of a new gyratory system between Manby Road Roundabout, Rosper Road Junction and the Port of Immingham
- **Role:** National

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**Public Option values:**

- **Transport availability:** Unaffected by the scheme.