SECTION 9

Sensitivity Tests

9.1 Introduction

A proportionate approach was adopted when defining sensitivity test to be undertaken for comparison with the Core Scenario reported in the previous Chapters of this report. A single sensitivity test was formulated, which was focused on demonstrating the economic case of Travel WEST if the transport impacts from the proposed schemes were reduced by 25%.

The details of the changes to the modelling associated with these scenarios are set out in the accompanying Forecasting Report.

9.2 Sensitivity test results

Table 9-1 summarises the results of the sensitivity tests and compares them against the Central Case. Full sets of results are available in Annex B.

Table 9-1: Results of sensitivity test

<table>
<thead>
<tr>
<th></th>
<th>PVB</th>
<th>PVC</th>
<th>NPV</th>
<th>BCR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core scenario</td>
<td>£152.1m</td>
<td>£24.2m</td>
<td>£127.9m</td>
<td>6.29</td>
</tr>
<tr>
<td>Reduced scheme impacts</td>
<td>£118.5m</td>
<td>£24.2m</td>
<td>£94.3m</td>
<td>4.90</td>
</tr>
</tbody>
</table>

PVB = Present Value of Benefits
PVC = Present Value of Costs
NPV = Net Present Value
BCR = Benefit Cost Ratio

The Sensitivity tests show that the BCR remains good with reduced impacts from the proposed schemes.