Option 3 (previously option 3b): Provide a viaduct behind the Duke of Edinburgh pub, to replace the existing highway, retaining the existing highway with maintenance for a reasonable period of time (minimum 20 years). Will include community adaptations (44 years)

<table>
<thead>
<tr>
<th></th>
<th>Undiscouted (£'000s)</th>
<th>Net Present Cost (£'000s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opening value</td>
<td>9.151</td>
<td>9.151</td>
</tr>
<tr>
<td>Construction Capital</td>
<td>14.165</td>
<td>12.027</td>
</tr>
<tr>
<td>Coastal adaptations</td>
<td>2.207</td>
<td>1.140</td>
</tr>
<tr>
<td>Lifecycle Costs</td>
<td>3.207</td>
<td>1.140</td>
</tr>
<tr>
<td>Revenue/Current Cost</td>
<td>1.390</td>
<td>690</td>
</tr>
<tr>
<td>Risk Retained</td>
<td>3.170</td>
<td>2.789</td>
</tr>
<tr>
<td>Optimum Basis</td>
<td>4.136</td>
<td>3.643</td>
</tr>
<tr>
<td>Total costs</td>
<td>28.891</td>
<td>31.220</td>
</tr>
<tr>
<td>Plus (land purchase less capital (multiplic)</td>
<td>531</td>
<td>493</td>
</tr>
<tr>
<td>Costs net cash savings</td>
<td>35.332</td>
<td>31.059</td>
</tr>
<tr>
<td>Total</td>
<td>35.832</td>
<td>31.091</td>
</tr>
</tbody>
</table>

**Advantages**
- Shortest constructed route, with less environmental impact.
- Proposed solution close to the existing route control.
- Maintains the use of the existing A447.
- Very strong public support.
- Will ensure the safety and continuity of the highway.
- Will provide connectivity with the St David’s Peninsula.
- Will ensure continuity for local businesses and combat house values in the Newgale area.
- Community adaptations will ensure car parking and linkages to beach and village.

**Disadvantages**
- Large capital investment required.
- Would require a major structure to carry the road above the Brandy Brook flood plain.
- Would require the demarcation of the commercial/residential properties at the northern end of the route.
- Visual impact would be potentially adverse because of the prominent position.
- New structure would be located through the popular Newgale camping site.
- Fewer improvements to the A447 with NOVs still having to use the steep Newgale Hill.

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

*Please refer to the hazard/risks detailed in this drawing, note the following:

**CONSTRUCTION**
- All works will be carried out by a competent contractor with a valid work permit.
- Works will not commence until 3 weeks prior to the commencement.

**MAINTENANCE/CLEANING**
- Regular maintenance will be carried out to ensure the safety and continuity of the highway.

**DECOMMISSIONING/DEMOLITION**
- All materials will be recycled or disposed of in accordance with environmental regulations.

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OPTION 3B
PLAN AND PROFILE DRAWING

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DO NOT SCALE

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NEWGALE BEACH ROAD