### RCT Strategic Sites Reference

- **Site 1**: Former Maerdy Colliery Site
- **Site 2**: Fernhill Colliery Site, Blaenrhondda
- **Site 3**: Former Phurnacite Plant, Ambercwmboi
- **Site 4**: Roberstown/ Abernant
- **Site 5**: Land South of Hirwaun/ Penywaun
- **Site 6**: Cwn Colliery and Coking Works, Beddau
- **Site 7**: Mwyndy/ Talbot Green Area
- **Site 8**: Llanilid, Llanharan

### Traffic Count Location and Total Traffic Flow

- **A465(T)**
- **A4059**
- **A4061**

### RCT Strategic Highway Network

- **A465(T)**
- **A4061**
- **A4058**
- **A4059**
- **A42**
- **A4232**
- **A4119**
- **A473**
- **A470(T)**
- **A4093**
- **M4**

### Figure 5.1 All sites - Background Traffic (2025) - AM (0800-0900)
Site 1 - Forecast Development Traffic Distribution - PM (1600-1700)

Figure 6.2
RCT Strategic Sites Reference

- Site 1: Former Maerdy Colliery Site
- Site 2: Fernhill Colliery Site, Blaenrhondda
- Site 3: Former Phurnacite Plant, Ambercwmboi
- Site 4: Roberstown/ Abernant
- Site 5: Land South of Hirwaun/ Penywaun
- Site 6: Cwn Colliery and Coking Works, Beddau
- Site 7: Mwyndy/ Talbot Green Area
- Site 8: Llanilid, Llanharan

Traffic Count Location and Total Traffic Flow

Inbound

Outbound

Strategic Site Ref and Forecast Development Traffic Flows

Figure 6.5 Site 1 - Forecast development traffic - Percentage Increase - AM (0800-0900)
Figure 6.8 Site 2 - Forecast Development Traffic Distribution - PM (1600-1700)
Figure 6.12 Site 2 - Forecast development traffic - Percentage Increase - PM (1600-1700)

Development Impact* on Highway Network

*Note: development traffic impact based on 2025 background traffic flows.
RCT Strategic Sites Reference

- Site 1: Former Maerdy Colliery Site
- Site 2: Fernhill Colliery Site, Blaenrhondda
- Site 3: Former Phurnacite Plant, Ambercwmboi
- Site 4: Roberstown/ Abernant
- Site 5: Land South of Hirwaun/ Penywaun
- Site 6: Cwn Colliery and Coking Works, Beddau
- Site 7: Mwyndy/ Talbot Green Area
- Site 8: Llanilid, Llanharan

Traffic Count Location and Total Traffic Flow

Figure 6.13 Site 3 - Forecast Development Traffic Distribution - AM (0800-0900)
Figure 6.14 Site 3 - Forecast Development Traffic Distribution - PM (1600-1700)
### RCT Strategic Sites Reference

<table>
<thead>
<tr>
<th>Site</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Former Maerdy Colliery Site</td>
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<td>2</td>
<td>Fernhill Colliery Site, Blaenrhondda</td>
</tr>
<tr>
<td>3</td>
<td>Former Phurnacite Plant, Ambercwmboi</td>
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<td>4</td>
<td>Roberstown/ Abernant</td>
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<tr>
<td>5</td>
<td>Land South of Hirwaun/ Penywaun</td>
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<tr>
<td>6</td>
<td>Cwm Colliery and Coking Works, Beddau</td>
</tr>
<tr>
<td>7</td>
<td>Mwyndy/ Talbot Green Area</td>
</tr>
<tr>
<td>8</td>
<td>Llanilid, Llanharan</td>
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</tbody>
</table>

### Traffic Count Location and Total Traffic Flow

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<th>Site</th>
<th>Traffic Count Location</th>
<th>Total Traffic Flow</th>
</tr>
</thead>
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<td></td>
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<td>8</td>
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</tr>
</tbody>
</table>

**Figure 6.15** Base + site 3 development traffic - AM (0800-0900)
RCT Strategic Sites Reference

- Site 1: Former Maerdy Colliery Site
- Site 2: Fernhill Colliery Site, Blaenrhondda
- Site 3: Former Phurnacite Plant, Porthcawl
- Site 4: Roberstown / Abernant
- Site 5: Land South of Hirwaun / Penywaun
- Site 6: Cwm Colliery and Coking Works, Beddau
- Site 7: Mwyndy / Talbot Green Area
- Site 8: Llantwit, Llantrisant

Traffic Count Location and Total Traffic Flow

Figure 6.16 Base + site 3 development traffic - PM (1600-1700)
RCT Strategic Sites Reference
Site 1
Former Maerdy Colliery Site
Site 2
Fernhill Colliery Site, Blaenrhondda
Site 3
Former Phurnacite Plant, Pwllheli
Site 4
Roberstown/ Abernant
Site 5
Land South of Hirwaun/ Penywaun
Site 6
Cwn Colliery and Coking Works, Beddau
Site 7
Mwyndy/ Talbot Green Area
Site 8
Llanilid, Llanharan

Development Impact* on Highway Network

Enter development traffic impact based on 2025 background traffic flows

*Note development traffic impact based on 2025 background traffic flows

Figure 6.18 Site 3 - Forecast development traffic - Percentage Increase - PM (1600-1700)
RCT Strategic Sites Reference

- Site 1: Former Maerdy Colliery Site
- Site 2: Fernhill Colliery Site, Blaenrhondda
- Site 3: Former Phurnacite Plant, Ambercwnboi
- Site 4: Roberstown/ Abernant
- Site 5: Land South of Hirwaun/ Penywaun
- Site 6: Cwn Colliery and Coking Works, Beddau
- Site 7: Mwyndy/ Talbot Green Area
- Site 8: Llanilid, Llanharan

Figure 6.20 Site 4 - Forecast Development Traffic Distribution - PM (1600-1700)
Figure 6.21 Base + site 4 development traffic - AM (0800-0900)
Figure 6.22 Base + site development 4 traffic - PM (1600-1700)
RCT Strategic Sites Reference

Site 1
Former Maerdy Colliery Site
Site 2
Fernhill Colliery Site, Blaenrhondda
Site 3
Former Phurnacite Plant, Ambercwmboi
Site 4
Roberstown/Abernant
Site 5
Land South of Hirwaun/Penywaun
Site 6
Cwn Colliery and Coking Works, Beddau
Site 7
Mwyndy/Talbot Green Area
Site 8
Llanilid, Llanharan

Note development traffic impact based on 2025 background traffic flows.

Development Impact* on Highway Network

*Note development traffic impact based on 2050 background traffic flow.
RCT Strategic Sites Reference

Site 1
Former Maerdy Colliery Site

Site 2
Fernhill Colliery Site, Blaenrhondda

Site 3
Former Phurnacite Plant, Pwllheli

Site 4
Roberstown/ Abernant

Site 5
Land South of Hirwaun/ Penywaun

Site 6
Cwn Colliery and Coking Works, Beddau

Site 7
Mwyndy/ Talbot Green Area

Site 8
Llanilid, Llanharan

Traffic Count Location and Total Traffic Flow

- Development Traffic Flows
- Traffic Count Location
- Total Traffic Flow

Development Impact* on Highway Network

*Note development traffic impact based on 2025 background traffic flows
RCT Strategic Sites Reference

- Site 1: Former Maerdy Colliery Site
- Site 2: Fernhill Colliery Site, Blaenrhondda
- Site 3: Former Phurnacite Plant, Ambercwmboi
- Site 4: Roberstown/ Abernant
- Site 5: Land South of Hirwaun/ Penywaun
- Site 6: Cwn Colliery and Coking Works, Beddau
- Site 7: Mwyndy/ Talbot Green Area
- Site 8: Llanilid, Llanharan

Traffic Count Location and Total Traffic Flow

- Site 4: 221
- Site 5: 0.31633
- Site 6: 0.07779
- Site 7: 0.07779
- Site 8: 0.1128

Figure 6.25 Site 5 - Forecast Development Traffic Distribution - AM (0800-0900)
Figure 6.26 Site 5 - Forecast Development Traffic Distribution - PM (1600-1700)
<table>
<thead>
<tr>
<th>Site</th>
<th>Description</th>
<th>Traffic Flow</th>
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<td>6</td>
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<td>7</td>
<td>Mwyndy/ Talbot Green Area</td>
<td>584</td>
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<td>8</td>
<td>Llanilid, Llanharan</td>
<td>565</td>
</tr>
</tbody>
</table>

**Figure 6.27 Base + site 5 development traffic - AM (0800-0900)**
RCT Strategic Sites Reference

1. Former Maerdy Colliery Site
2. Fernhill Colliery Site, Blaenrhondda
3. Former Phurnacite Plant, Porthcawl
4. Roberstown/ Abernant
5. Land South of Hirwaun/ Penywaun
6. Cwm Colliery and Coking Works, Beddau
7. Mwyndy/ Talbot Green Area
8. Llanilid, Llanharan

Figure 6.28 Base + site 5 development traffic - PM (1600-1700)
RCT Strategic Sites Reference

1. Former Maerdy Colliery Site
2. Fernhill Colliery Site, Blaenrhondda
3. Former Phurnacite Plant, Ambercwmboi
4. Land South of Hirwaun/ Penywaun
5. Cwn Colliery and Coking Works, Beddau
6. Mwyndy/ Talbot Green Area
7. Llanilid, Llanharan
8. Llanelly, Llanelly

Development Impact* on Highway Network

*Note development traffic impact based on 2025 background traffic flows

Site 5 - Forecast development traffic - Percentage Increase - AM (0800-0900)

Figure 6.29
RCT Strategic Sites Reference

Site 1
Former Maerdy Colliery Site

Site 2
Fernhill Colliery Site, Blaenrhondda

Site 3
Former Phurnacite Plant, Pllbercwnc

Site 4
Roberstown/ Abernant

Site 5
Land South of Hirwaun/ Penywaun

Site 6
Cwn Colliery and Coking Works, Beddau

Site 7
Mwyndy/ Talbot Green Area

Site 8
Llanilid, Llanharan

*Note development traffic impact based on 2025 background traffic flows

Figure 6.30 Site 5 - Forecast development traffic - Percentage Increase - PM (1600-1700)
Key
1. Strategic Site Ref and Forecast Development Traffic Flows
2. Traffic Count Location and Total Traffic Flow
3. RCT Strategic Highway Network

RCT Strategic Sites Reference
- Site 1: Former Maerdy Colliery Site
- Site 2: Fernhill Colliery Site, Blaenrhondda
- Site 3: Former Phurnacite Plant, Ambercwmboi
- Site 4: Roberstown/Abernant
- Site 5: Land South of Hirwaun/ Penywaun
- Site 6: Cwn Colliery and Coking Works, Beddau
- Site 7: Mwyndy/Talbot Green Area
- Site 8: Llantylli, Llanharan

Site 6 - Forecast Development Traffic Distribution - PM (1600-1700)
RCT Strategic Sites Reference

Site 6
Former Maerdy Colliery Site

Site 2
Fernhill Colliery Site, Blaenrhondda

Site 3
Former Phurnacite Plant, Ambercwmboi

Site 5
Land South of Hirwaun/ Penywaun

Site 6
Cwn Colliery and Coking Works, Beddau

Site 7
Mwyndy/ Talbot Green Area

Site 8
Llanilid, Llanharan

Traffic Count Location and
Total Traffic Flow

Base + site 6 development traffic - AM (0800-0900)

Figure 6.33
RCT Strategic Sites Reference

1. Former Maerdy Colliery Site
2. Fernhill Colliery Site, Blaenrhondda
3. Former Phurnacite Plant, Pilbrowston
4. Abernant
5. Land South of Hirwaun/ Penywaun
6. Cwm Colliery and Coking Works, Beddau
7. Land South of Hirwaun/ Penywaun
8. Merthyr/ Talbot Green Area
9. Llantrisant
10. Llantwit, Llantrisant

Figure 6.34 Base + site 6 development traffic - PM (1600-1700)
RCT Strategic Sites Reference

- Site 1: Former Maerdy Colliery Site
- Site 2: Fernhill Colliery Site, Blaenrhondda
- Site 3: Former Phurnacite Plant, Ambercwmboi
- Site 4: Roberstown/ Abernant
- Site 5: Land South of Hirwaun/ Penywaun
- Site 6: Cwn Colliery and Coking Works, Beddau
- Site 7: Mwyndy/ Talbot Green Area
- Site 8: Llanilid, Llanharan

Development Impact* on Highway Network

*Note: Development traffic based on 2025 background traffic flows.
RCT Strategic Sites Reference

1. Former Maerdy Colliery Site
2. Fernhill Colliery Site, Blaenrhondda
3. Former Phurnacite Plant, Pilmbrook
4. Roberstown/ Abernant

Development Impact* on Highway Network

*Note development traffic impact based on 2025 background traffic flows
Site 7 - Forecast Development Traffic Distribution - AM (0800-0900)
RCT Strategic Sites Reference

- Site 1: Former Maerdy Colliery Site
- Site 2: Fernhill Colliery Site, Blaenrhondda
- Site 3: Former Phurnacite Plant, Ambercwmboi
- Site 4: Roberstown/ Abernant
- Site 5: Land South of Hirwaun/ Penywaun
- Site 6: Cwn Colliery and Coking Works, Beddau
- Site 7: Mwyndy/ Talbot Green Area
- Site 8: Llanilid, Llanharan

Traffic Count Location and Total Traffic Flow

Figure 6.38 Site 7 - Forecast Development Traffic Distribution - PM (1600-1700)
RCT Strategic Sites Reference

Site 1
Former Maerdy Colliery Site

Site 2
Fernhill Colliery Site, Blaenrhondda

Site 3
Former Phurnacite Plant, Ambercwmboi

Site 4
Roberstown/ Abernant

Site 5
Land South of Hirwaun/ Penywaun

Site 6
Cwn Colliery and Coking Works, Beddau

Site 7
Mwyndy/ Talbot Green Area

Site 8
Llanilid, Llanharan

Figure 6.39 Base + site 7 development traffic - AM (0800-0900)
### Key

1. RCT Strategic Sites Reference
2. Former Maerdy Colliery Site
3. Fernhill Colliery Site, Blaenrhondda
4. Former Phurnacite Plant, Porthcawl
5. Roberstown/Abernant
6. Land South of Hirwaun/Penysau
7. Cwm Colliery and Coke Works, Beddau
8. Merthyr/Talbot Green Area
9. Llereid, Llanharan

### RCT Strategic Sites Sites

<table>
<thead>
<tr>
<th>Site</th>
<th>Location</th>
<th>Traffic Count Location and Total Traffic Flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site 1</td>
<td>Former Maerdy Colliery Site</td>
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</tr>
<tr>
<td>Site 2</td>
<td>Fernhill Colliery Site, Blaenrhondda</td>
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<tr>
<td>Site 3</td>
<td>Former Phurnacite Plant, Porthcawl</td>
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</tr>
<tr>
<td>Site 4</td>
<td>Roberstown/Abernant</td>
<td></td>
</tr>
<tr>
<td>Site 5</td>
<td>Land South of Hirwaun/Penysau</td>
<td></td>
</tr>
<tr>
<td>Site 6</td>
<td>Cwm Colliery and Coke Works, Beddau</td>
<td></td>
</tr>
<tr>
<td>Site 7</td>
<td>Merthyr/Talbot Green Area</td>
<td></td>
</tr>
<tr>
<td>Site 8</td>
<td>Llereid, Llanharan</td>
<td></td>
</tr>
</tbody>
</table>

### Base + site 7 development traffic - PM (1600-1700)

- **Figure 6.40**

- **Tonypandy**
- **Treorchy**
- **Hirwaun**
- **Mountain Ash**
- **Mountain Ash**
- **Pontypridd**
- **Talbot Green**
- **Llantwit**
- **Penywaun**

The map illustrates key sites and their strategic reference with traffic count locations and total traffic flows, providing a comprehensive view of the development traffic flows for the specified period.
RCT Strategic Sites Reference

- Site 1: Former Maerdy Colliery Site
- Site 2: Fernhill Colliery Site, Blaenrhondda
- Site 3: Former Phurnacite Plant, Ambercwmboi
- Site 4: Roberstown/ Abernant
- Site 5: Land South of Hirwaun/ Penywaun
- Site 6: Cwn Colliery and Coking Works, Beddau
- Site 7: Mwyndy/ Talbot Green Area
- Site 8: Llanilid, Llanharan

Development Impact* on Highway Network

*Note development traffic impact based on 2025 background traffic flows.

Site 7 - Forecast development traffic - Percentage Increase - AM (0800-0900)

Figure 6.41
### RCT Strategic Sites Reference

- **Site 1**: Former Maerdy Colliery Site
- **Site 2**: Fernhill Colliery Site, Blaenrhondda
- **Site 3**: Former Phurnacite Plant, Pyllebercwnboi
- **Site 4**: Roberstown/ Abernant
- **Site 5**: Land South of Hirwaun/ Penywaun
- **Site 6**: Cwn Colliery and Coking Works, Beddau
- **Site 7**: Mwyndy/ Talbot Green Area
- **Site 8**: Llanilid, Llanharan

### Development Impact* on Highway Network

*Note development traffic impact based on 2025 background traffic flows

### Figure 6.42 Site 7 - Forecast development traffic - Percentage Increase - PM (1600-1700)
Site 8 - Forecast Development Traffic Distribution - PM (1600-1700)

Figure 6.44

RCT Strategic Sites Reference

0 Site 1
Former Maerdy Colliery Site

0 Site 2
Ferndale Colliery Site, Blaenrhondda

0 Site 3
Former Phurnacite Plant, Ambercwnboi

0 Site 4
Roberstown/ Abernant

0 Site 5
Land South of Hirwaun/ Penywaun

0 Site 6
Cwn Colliery and Coking Works, Beddau

0 Site 7
Mwyndy/ Talbot Green Area

0 Site 8
Llanilid, Llanharan

Key

Traffic Count Location and Total Traffic Flow

RCT Strategic Highway Network

Strategic Site Ref and Forecast Development Traffic Flows
Figure 6.45 Base + site 8 development traffic - AM (0800-0900)
RCT Strategic Sites Reference

- Site 1: Former Maerdy Colliery Site
- Site 2: Fernhill Colliery Site, Blaenrhondda
- Site 3: Former Phurnacite Plant, Porthcawl
- Site 4: Roberstown/ Abernant
- Site 5: Land South of Hirwaun/ Penywaun
- Site 6: Cwm Colliery and Coking Works, Beddau
- Site 7: Mountain Talbot Green Area
- Site 8: Llantrisant, Llanharan

Figure 6.46 Base + site 8 development traffic - PM (1600-1700)
## RCT Strategic Sites Reference

1. **Former Maerdy Colliery Site**
2. **Fernhill Colliery Site, Blaenrhondda**
3. **Former Phurnacite Plant, Ambercwmboi**
4. **Roberstown/Abernant**
5. **Land South of Hirwaun/Penywaun**
6. **Cwn Colliery and Coking Works, Beddau**
7. **Mwyndy/Talbot Green Area**
8. **Llanilid, Llanharan**

*Note: Development traffic based on 2025 background traffic flows.*

## Development Impact* on Highway Network

- **0.5%**
- **6% - 25%**
- **>25%**

*Note: Development traffic impact based on 2025 background traffic flows.*

---

**Figure 6.47**

Site 8 - Forecast development traffic - Percentage Increase - AM (0800-0900)
Site 8 - Forecast development traffic - Percentage Increase - PM (1600-1700)

**Figure 6.48**

**RCT Strategic Sites Reference**
- Site 1: Former Maerdy Colliery Site
- Site 2: Fernhill Colliery Site, Blaenrhondda
- Site 3: Former Phurnacite Plant, Porthcawl
- Site 4: Roberstown/Abernant
- Site 5: Land South of Hirwaun/Penywlan
- Site 6: Cwm Colliery and Coking Works, Beddau
- Site 7: Mwyndy/Talbot Green Area
- Site 8: Llanilid, Llanharan

**Development Impact** on Highway Network

*Note: development traffic based on 2025 background traffic flows*
RCT Strategic Sites Reference

Site 1
Former Maerdy Colliery Site

Site 2
Fernhill Colliery Site, Blaenrhondda

Site 3
Former Phurnacite Plant, Ambercwnboi

Site 4
Roberstown/ Abernant

Site 5
Land South of Hirwaun/ Penywaun

Site 6
Cwn Colliery and Coking Works, Beddau

Site 7
Mwyndy/ Talbot Green Area

Site 8
Llanilid, Llanharan

Traffic Count Location and Total Traffic Flow

A465(T) 266 Site 6
A4059

272 Site 4

A465(T) 127
A4061

480

A42 33

A4058

500

A470(T)

6 549 541

359 587 671

685 785

1125

848 246 228

A4232

1696

332

A4232

A4222

A4222

A4222

Figure 7.1 All sites - Forecast development traffic distribution - AM (0800-0900)
Figure 7.2 All sites - Forecast development traffic distribution - PM (1600-1700)
RCT Strategic Sites Reference

1. Former Maerdy Colliery Site
2. Fernhill Colliery Site, Blaenrhondda
3. Former Phurnacite Plant, Ambercwmboi
4. Roberstown/ Abernant
5. Land South of Hirwaun/ Penywaun
6. Cwn Colliery and Coking Works, Beddau
7. Mwyndy/ Talbot Green Area
8. Llanilid, Llanharan

All sites - Background + development traffic (2025) - AM (0800-0900)
RCT Strategic Sites Reference

<table>
<thead>
<tr>
<th>Site</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>Site 1</td>
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<tr>
<td>Site 2</td>
<td>Fernhill Colliery Site, Blaenrhondda</td>
</tr>
<tr>
<td>Site 3</td>
<td>Former Phurnacite Plant, Porthcawl</td>
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<tr>
<td>Site 4</td>
<td>Roberstown/ Abernant</td>
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<tr>
<td>Site 5</td>
<td>Land South of Hirwaun/ Penywaun</td>
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<tr>
<td>Site 6</td>
<td>Cwm Colliery and Coking Works, Beddau</td>
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<tr>
<td>Site 7</td>
<td>Mwyndy/ Talbot Green Area</td>
</tr>
<tr>
<td>Site 8</td>
<td>Llanilid, Llanharan</td>
</tr>
</tbody>
</table>

Traffic Count Location and Total Traffic Flow

A465(T)  A4059  RCT Strategic Highway Network

Figure 7.4 All sites - Background + development traffic (2025) - PM (1600-1700)
RCT Strategic Sites Reference

Site 1: Former Maerdy Colliery Site
Site 2: Fernhill Colliery Site, Blaenrhondda
Site 3: Former Phurnacite Plant, Ambercwmboi
Site 4: Roberstown/ Abernant
Site 5: Land South of Hirwaun/ Penywaun
Site 6: Cwn Colliery and Coking Works, Beddau
Site 7: Mwyndy/ Talbot Green Area
Site 8: Llanilid, Llanharan

Development Impact* on Highway Network

*Note development traffic impact based on 2025 background traffic flows

All sites - Forecast development traffic - Percentage Increase - AM (0800-0900)