





MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS

Environmental Statement

Volume 3, Annex 7.4: Base traffic flows









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Glossary

| Term | Meaning |
|------------------------------------|---|
| Annual Average Daily Traffic Flows | The total volume of vehicular traffic on a section of highway for a year divided by 365 days. |
| Growthed | The application of traffic growth rates to traffic flows |
| Heavy Vehicle | Any goods or passenger vehicle which has an operating weight exceeding 7.5 tonnes. |

Acronyms

| Acronym | Meaning |
|---------|------------------------------------|
| AADT | Annual Average Daily Traffic Flows |
| ATC | Automatic Traffic Counters |
| ES | Environmental Statement |
| HV | Heavy Vehicle |







1 Base traffic flows

- 1.1.1.1 This annex presents a summary of the base traffic flows for the Morgan and Morecambe Offshore Wind Farms: Transmission Assets (referred to hereafter as the Transmission Assets) which have been used to define a baseline transport position as set out in Volume 3, Chapter 7: Traffic and transport of the Environmental Statement (ES).
- 1.1.1.2 The observed traffic survey and traffic flow data is set out in Volume 3, Annex 7.2: Traffic survey data of the ES. A summary of these base traffic flows is set out in **Table 1.1** and have been used to define a baseline transport position as set out in Volume 3, Chapter 7: Traffic and transport of the ES. Some of the observed traffic flows are dated 2019, however, a comparison of these with adjacent traffic surveys that are dated 2022 shows that these validate well against one-another and that those 2019 traffic flows remain up to date and representative of current traffic conditions.
- 1.1.1.3 As set out in section 7.6.4 of Volume 3, Chapter 7: Traffic and transport of the ES, some of the base traffic flows will be impacted by the opening of the M55 Heyhouses Link Road. Some of the base traffic flows set out in **Table 1.1** have therefore been adjusted as set out in section 7.6.4 of Volume 3, Chapter 7: Traffic and transport of the ES. Details of these adjustments are set out in **Appendix A** and the resultant base traffic flows are summarised in **Table 1.2**.
- 1.1.1.4 **Figure 1.1** of this annex presents the location of the highway link references listed in **Table 1.1**, **Table 1.2**, **Table 1.3**, **Table 1.4** and **Table 1.5**.
- 1.1.1.5 Traffic growth rates obtained from TEMPro have been applied to the base traffic flows to determine 2027 future year traffic flows, presented in **Table**1.1. Details of the growth rates are attached at **Appendix B** and the 2027 growthed traffic flows are set out in **Table 1.3**. Committed development traffic flows are set out in **Table 1.4** and described in further detailed within section 7.6.6 of Volume 3, Chapter 7: Traffic and transport of the ES.
- 1.1.1.6 A future year baseline of 2027 has been calculated as this is the year in which the peak daily construction traffic flows of the Transmission Assets would be generated.
- 1.1.1.7 The 2027 baseline traffic flows are set out in **Table 1.5** and define a baseline transport position using the base traffic flows (with appropriate adjustments for the M55 Henhouses Link Road) growthed to 2027 plus the addition of the committed development traffic flows.
- 1.1.1.8 The base peak hour traffic flows used to assess driver delay within section 7.11.3 of Volume 3, Chapter 7: Traffic and transport of the ES are derived directly from the traffic survey data contained in Appendix F of Volume 3, Annex 7.2: Traffic survey data of the ES and are summarised in section 7.11.3 of Volume 3, Chapter 7: Traffic and transport of the ES.







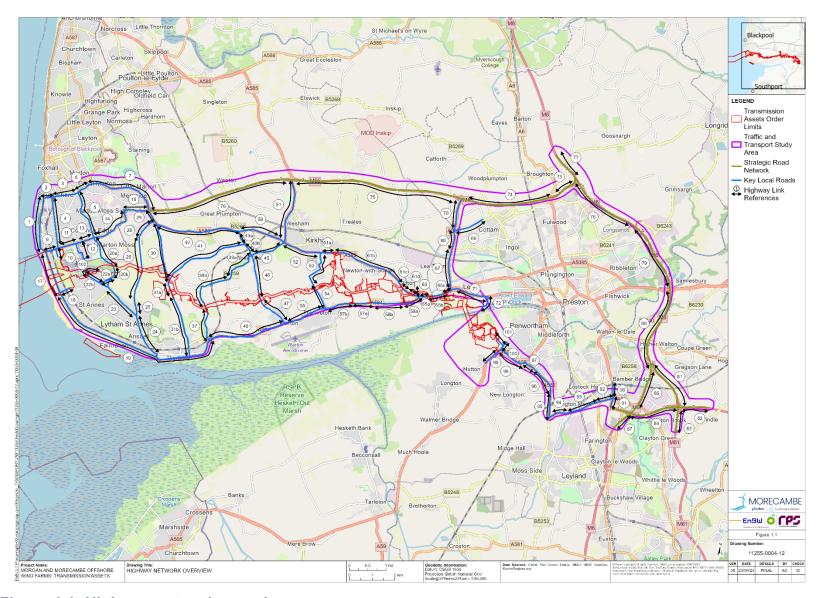


Figure 1.1: Highway network overview







Table 1.1 Observed traffic flows

| Link reference | Description | Observed survey year | Annual Aver Traffic Flows the observed | |
|-------------------|---|-------------------------|--|----------------------------|
| | | | Total Vehicles | Heavy Vehicles (HVs) |
| L1 | A584 between Waterloo Road and Squires Gate Lane | 2022 | 10,065 | 128 |
| L2 | Waterloo Road between A585 and B5262 roundabout | 2024 | 2,173 | 147 |
| L3 | A5073 Waterloo Road between B5262 roundabout and B5261 | 2022 | 10,207 | 55 |
| L4 | B5262 between A5073 Waterloo Road and A5230 Squires Gate Lane | 2024 | 7,859 | 31 |
| L5 | B5261 between A5073 Waterloo Road and A5230 Squires Gate Lane | 2019 | 8,635 | 82 |
| L6 | A5073 Waterloo Road between B5261 roundabout and Preston New Road | 2022 | 13,337 | 178 |
| L7 | A583 between B5390 and M55 J4 | 2022 | 23,109 | 502 |
| L9 | A5230 Squires Gate Lane between A584 Clifton Drive N and Westgate Road | 2024 | 13,979 | 372 |
| L10 | Westgate Road | 2024 | 902 | 0 |
| L11 | A5230 Squires Gate Lane between Westgate Road and Amy Johnson Way | 2024 | 15,757 | 277 |
| L12 | Amy Johnson Way | 2024 | 18,033 | 806 |
| L13 | A5230 Squires Gate Lane between Amy Johnson Way and B5261 | 2022 | 15,371 | 515 |
| L14 | A5230 Progress Way between B5261 and Ashworth Road Roundabout | 2024 | 17,787 | 1,035 |
| L16 | A5230 Progress Way between Ashworth Road roundabout and M55 J4 | 2022 | 31,702 | 1,188 |
| L17 | A584 Clifton Drive North between A5230 Squires Gate Lane and North Beach Car Park | 2019 | 19,010 | 234 |
| L18 | Highbury Road West between A584 and St Anne's Old Links Golf Club | 2022 | 5,063 | 31 |
| L19 | A584 Clifton Drive North between North Beach Car Park and Saltcotes Road | 2019 | 12,546 | 97 |







| Link reference | | Observed survey year | | erage Daily vs (AADT) for ed survey year |
|-------------------|--|-------------------------|-------------------|--|
| | | | Total Vehicles | Heavy Vehicles (HVs) |
| L20a | B5261 Queensway between A5230 Waterloo Road and accesses A7 / A8 | 2022 | 11,254* | 189* |
| L20b | B5261 Queensway between accesses A7 / A8 and Kilnhouse Lane | 2022 | 11,254* | 189* |
| L22a | Kilnhouse Lane from B5261 Queensway and Blackpool Road North junction. | 2022 | 7,528 | 165 |
| L22b | Blackpool Road North from Kilnhouse Lane junction and access A5 | 2024 | 1,701 | 6 |
| L23 | B5261 Heyhouses Lane between Blackpool Road North and B5410 junction | 2024 | 15,974 | 293 |
| L24 | B5261 Heyhouses Lane between B5410 junction and A584 Clifton Drive | 2019 | 18,465* | 155* |
| L25 | B5410 Lytham St Annes Way between B5261 Heyhouses Lane junction and Moss Hall Lane | 2022 | 9,439* | 79* |
| L26 | B5410 Lytham St Annes Way from Moss Hall Lane and roundabout with School Road | 2022 | 9,439* | 79* |
| L28 | B5410 Lytham St Annes Way between roundabout with School Road and Preston New Road roundabout | 2022 | 12,313* | 125* |
| L29 | A583 Preston New Road between B5410 Lytham St Annes Way roundabout and M55 J4 roundabout | 2022 | 25,007 | 312 |
| L30 | Peel Road between Ballam Road and Preston New Road | 2024 | 1,507* | 10* |
| L31a | Ballam Road between Peel Road and accesses A16 / A19 | 2024 | 3,131* | 11* |
| L31b | Ballam Road between accesses A16 / A19 and A584 East Beach | 2024 | 3,131* | 11* |
| L37 | Saltcotes Road between A584 Preston Road and accesses A25 / A28 | 2019 | 5,084 | 61 |
| L39a | B5259 Saltcotes Road between B5260 Station Road and Corka Lane Access | 2022 | 4,529 | 61 |







| Link reference | Description | Observed survey year | Traffic Flov | erage Daily ws (AADT) for ed survey year |
|-------------------|--|-------------------------|-------------------|--|
| | | | Total Vehicles | Heavy Vehicles (HVs) |
| L39b | B5259 Saltcotes Road between Corka Lane Access and accesses A25 / A26. | 2022 | 4,529 | 61 |
| L41 | Ballam Road between Peel Road and Fox Lane Ends | 2022 | 2,063 | 16 |
| L42 | A583 Preston New Road between B5410 Lytham St Annes Way roundabout and Fox Lane Ends | 2022 | 11,162 | 151 |
| L43a | B5260 Fox Lane Ends between A583 Preston New Road and Balham Road | 2022 | 5,709 | 55 |
| L43b | B526 Fox Lane Ends between Balham Road and B5259 Ribby Road roundabout | 2022 | 5,709 | 55 |
| L45 | B5259 Ribby Road between B5260 Station Road mini roundabout and A583 Blackpool Road | 2022 | 7,989 | 87 |
| L46 | Bryning Lane between B5260 Station Road roundabout and accesses A34 / A37 | 2019 | 7,146 | 102 |
| L47 | Bryning Lane between accesses A34 / A37 and A584 Lytham Road | 2022 | 5,090 | 98 |
| L49 | A584 Preston Road between Saltcotes Road and Church Road | 2022 | 14,297 | 292 |
| L50 | A583 Blackpool Road between Fox Lane Ends and A585 roundabout | 2022 | 10,514 | 294 |
| L51 | A585 between A583 Blackpool Road and J3 of M55 | 2024 | 15,880 | 344 |
| L52 | A583 Blackpool Road between A585 and Kirkham Road | 2024 | 13,351 | 266 |
| L53 | Kirkham Road between A583 Kirkham Bypass and accesses A42 / A43 | 2022 | 7,255 | 87 |
| L54 | Kirkham Road between accesses A52 / A53 and A584 Preston New Road | 2022 | 4,294 | 50 |
| L55 | A584 Preston New Road between Church Road and Kirkham Road | 2024 | 14,828 | 137 |
| L57a | A584 Preston New Road between accesses A48 / A49 | 2024 | 13,851 | 235 |







| Link reference | Description | Observed survey year | | erage Daily ws (AADT) for ed survey year |
|-------------------|--|-------------------------|-------------------|--|
| 1.575 | | | Total Vehicles | Heavy Vehicles (HVs) |
| L57b | A584 Preston New Road between Kirkham Road and access A48 | 2024 | 13,851 | 235 |
| L58a | A584 Preston New Road between A583 Blackpool Road and access A51 | 2024 | 14,123 | 408 |
| L58b | A584 Preston New Road between accesses A49 / A51 | 2024 | 14,123 | 408 |
| L61a | A583 Kirkham Bypass between Freckleton/Kirkham Road and access Morgan substation access. | 2024 | 11,032 | 113 |
| L61b | A583 Kirkham Bypass between Morgan substation access and access A50 | 2024 | 11,032 | 113 |
| L61c | A583 Kirkham Bypass between access A50 and accesses A52 / A53 | 2024 | 11,032 | 113 |
| L61d | A583 Kirkham Bypass between accesses A52 / A53 and Preston New Road | 2024 | 11,032 | 113 |
| L63 | Lodge Lane between accesses A65 / A66 and A583 | 2024 | 2,088 | 22 |
| L65a | A583 Blackpool Road between Preston New Road and access A56 | 2024 | 24,562 | 644 |
| L65b | A583 Blackpool Road between accesses A56 / A57 | 2024 | 24,562 | 644 |
| L65c | A583 Blackpool Road between access A57 and Preston Western Distributor | 2024 | 24,562 | 644 |
| L67 | Preston Western Distributor Road between A583 and Cottom Link Road | 2024 | 13,548 | 966 |
| L68 | Preston Western Distributor Road between Cottom Link Road and East- West Link Road | 2024 | 16,486 | 1,128 |
| L69 | William Young Way between A582 Edith Rigby Way and Sandy Lane | 2024 | 4,609 | 65 |
| L70 | Preston Western Distributor Road between East-West Link Road and M55 J2 | 2024 | 16,079 | 1,135 |
| L71 | A585 Riverways between Preston Western Distributor and Nelson Way | 2024 | 20,367 | 687 |







| Link reference | Description | Observed survey year | Annual Aver Traffic Flows the observed | |
|-------------------|---|-------------------------|--|----------------------------|
| | | | Total Vehicles | Heavy Vehicles (HVs) |
| L72 | Nelson Way from A583 Riversway to access A58 | 2024 | 3,917 | 200 |
| L73 | M55 between M6 J32 and M55 J1 | 2023/2024 | 67,200 | 4,469 |
| L74 | M55 between J1 (A6) and J2 (Preston Western Distributor) | 2023/2024 | 69,580 | 7,167 |
| L75 | M55 between J2 (Preston Western Distributor) and J3 (A585) | 2023/2024 | 63,037 | 4,160 |
| L76 | M55 between J3 (A585) and J4 (Preston New Road) | 2023/2024 | 44,513 | 2,448 |
| L77 | M6 (north of M55 junction) | 2023/2024 | 70,561 | 11,219 |
| L78 | M6 between J32 and J31A | 2023/2024 | 125,143 | 15,518 |
| L79 | M6 between J31A and J31 | 2023/2024 | 146,884 | 20,572 |
| L80 | M6 between J31 and J30 | 2023/2024 | 151,910 | 20,895 |
| L81 | M61 between M6 J30 and M61 J9 (M65 junction) | 2023/2024 | 71,728 | 7,850 |
| L82 | M65 east of J2 (M61 junction) | 2023/2024 | 62,477 | 7,016 |
| L83 | M61 south of M61 J9 (M65 junction) | 2023/2024 | 66,632 | 6,689 |
| L84 | M65 between M61 J9 and M6 J29 | 2023/2024 | 50,627 | 5,472 |
| L85 | M6 between M6 J30 (M61 junction) and A6 junction | 2023/2024 | 80,112 | 12,698 |
| L87 | M6 south of J29 (M65 junction) | 2023/2024 | 95,793 | 14,991 |
| L90 | A6 north of A582 roundabout | No construction | traffic along link. | |
| L91 | A6 between M65 roundabout and A582 roundabout | 2022 | 39,539 | 2,231 |
| L92 | A582 Lostock Lane between B5254 Watkin Lane roundabout and A6 roundabout | 2024 | 30,661 | 2,104 |
| L93 | A582 Farrington Road between B5254 Watkin Lane junction and Croston Road junction | 2024 | 24,917 | 1,151 |
| L94 | A582 Flensburg Way | 2024 | 21,558 | 785 |
| L95 | A582 Penwortham Way between Flensburg Way roundabout and Chain House Lane junction | 2024 | 22,391 | 546 |
| L96 | A582 Penwortham Way between Chain House Lane junction and Pope Lane | 2024 | 19,037 | 451 |







| Link reference | Description | Observed survey year | Annual Aver Traffic Flows the observed | |
|-------------------|---|-------------------------|--|----------------------------|
| | | | Total Vehicles | Heavy Vehicles (HVs) |
| L97 | A582 Penwortham Way between Pope Lane and A59 junction | 2024 | 18,041 | 647 |
| L98 | A59 John Horrocks Way between A582 roundabout and Liverpool Road junction | 2024 | 17,162 | 1,026 |
| L99 | A59 south west of Liverpool Road junction to Stanley Avenue roundabout | 2024 | 22,479 | 641 |
| L100 | Liverpool Road between A59 junction and Howick Cross Lane access | 2024 | 9,974 | 44 |
| L101 | Howick Cross Lane between Liverpool Road and Penwortham substation access | 2024 | 1,009 | 13 |

^{*}Observed traffic flows adjusted for M55 Heyhouses Link Road

Table 1.2 M55 Heyhouses Link Road adjustments

| Link reference | Description | Base Trat | | Changes to AADT | | Adjusted AADT | |
|-------------------|--|-------------------|-----|-------------------|-----|-------------------|-----|
| | | Total vehicles | | Total vehicles | HVs | Total Vehicles | HVs |
| L20a | B5261 Queensway between A5230 Waterloo Road and accesses A7 / A8 | 15,974 | 269 | -4,719 | -79 | 11,254 | 189 |
| L20b | B5261 Queensway between accesses A7 / A8 and Kilnhouse Lane | 15,974 | 269 | -4,719 | -79 | 11,254 | 189 |
| L24 | B5261 Heyhouses Lane between B5410 junction and A584 Clifton Drive | 13,950 | 117 | +4,515 | +38 | 18,465 | 155 |
| L25 | B5410 Lytham St Annes Way between B5261 Heyhouses Lane junction and Moss Hall Lane | 204 | N/A | +9,234 | +79 | 9,439 | 79 |
| L26 | B5410 Lytham St Annes Way from Moss Hall Lane and roundabout with School Road | 204 | N/A | +9,234 | +79 | 9,439 | 79 |
| L28 | B5410 Lytham St Annes Way between roundabout with School Road and Preston New Road roundabout | 7,798 | 79 | +4,515 | +46 | 12,313 | 125 |







| Link reference | Description | Base Traf flow | | Changes AADT | es to Adjusted AADT | | |
|-------------------|---|-------------------|----|-------------------|------------------------|-------------------|-----|
| | | Total vehicles | | Total vehicles | | Total Vehicles | HVs |
| L30 | Peel Road between Ballam Road and Preston New Road | 6,022 | 39 | -4,515 | -29 | 1,507 | 10 |
| L31a | Ballam Road between Peel Road and accesses A16 / A19 | 7,646 | 26 | -4,515 | -15 | 1,507 | 11 |
| L31b | Ballam Road between accesses A16 / A19 and A584 East Beach | 7,646 | 26 | -4,515 | -15 | 3,131 | 11 |

Table 1.3 2027 Growthed traffic flows.

| Link reference | Description | Annual Average Daily Traffic Flows (AADT) | |
|-------------------|--|--|-------------------------|
| | | Total Vehicles | Heavy Vehicles (HVs) |
| L1 | A584 between Waterloo Road and Squires Gate Lane | 10,410 | 132 |
| L2 | Waterloo Road between A585 and B5262 roundabout | 2,227 | 151 |
| L3 | A5073 Waterloo Road between B5262 roundabout and B5261 | 10,557 | 57 |
| L4 | B5262 between A5073 Waterloo Road and A5230 Squires Gate Lane | 8,056 | 32 |
| L5 | B5261 between A5073 Waterloo Road and A5230 Squires Gate Lane | 9,041 | 86 |
| L6 | A5073 Waterloo Road between B5261 roundabout and Preston New Road | 13,795 | 184 |
| L7 | A583 between B5390 and M55 J4 | 23,902 | 519 |
| L9 | A5230 Squires Gate Lane between A584 Clifton Drive N and Westgate Road | 14,321 | 381 |
| L10 | Westgate Road | 925 | 0 |
| L11 | A5230 Squires Gate Lane between Westgate Road and Amy Johnson Way | 16,143 | 284 |
| L12 | Amy Johnson Way | 18,484 | 826 |
| L13 | A5230 Squires Gate Lane between Amy Johnson Way and B5261 | 15,899 | 533 |
| L14 | A5230 Progress Way between B5261 and Ashworth Road Roundabout | 18,223 | 1,060 |
| L16 | A5230 Progress Way between Ashworth Road roundabout and M55 J4 | 32,790 | 1,229 |







| Link reference | Description | Annual Average Daily Traffic Flows (AADT) | |
|-------------------|---|--|-------------------------|
| | | Total Vehicles | Heavy Vehicles (HVs) |
| L17 | A584 Clifton Drive North between A5230 Squires Gate Lane and North Beach Car Park | 19,886 | 245 |
| L18 | Highbury Road West between A584 and St Anne's Old Links Golf Club | 5,240 | 32 |
| L19 | A584 Clifton Drive North between North Beach Car Park and Saltcotes Road | 13,124 | 101 |
| L20a | B5261 Queensway between A5230 Waterloo Road and accesses A7 / A8 | 11,649 | 196 |
| L20b | B5261 Queensway between accesses A7 / A8 and Kilnhouse Lane | 11,649 | 196 |
| L22a | Kilnhouse Lane from B5261 Queensway and Blackpool Road North junction. | 7,792 | 171 |
| L22b | Blackpool Road North from Kilnhouse Lane junction and access A5 | 1,744 | 6 |
| L23 | B5261 Heyhouses Lane between Blackpool Road North and B5410 junction | 16,374 | 300 |
| L24 | B5261 Heyhouses Lane between B5410 junction and A584 Clifton Drive | 19,334 | 162 |
| L25 | B5410 Lytham St Annes Way between B5261 Heyhouses Lane junction and Moss Hall Lane | 9,770 | 82 |
| L26 | B5410 Lytham St Annes Way from Moss Hall Lane and roundabout with School Road | 9,770 | 82 |
| L28 | B5410 Lytham St Annes Way between roundabout with School Road and Preston New Road roundabout | 12,744 | 129 |
| L29 | A583 Preston New Road between B5410 Lytham St Annes Way roundabout and M55 J4 roundabout | 25,865 | 323 |
| L30 | Peel Road between Ballam Road and Preston New Road | 1,545 | 10 |
| L31a | Ballam Road between Peel Road and accesses A16 / A19 | 3,209 | 11 |
| L31b | Ballam Road between accesses A16 / A19 and A584 East Beach | 3,209 | 11 |
| L37 | Saltcotes Road between A584 Preston Road and accesses A25 / A28 | 5,323 | 64 |
| L39a | B5259 Saltcotes Road between B5260 Station Road and Corka Lane Access | 4,687 | 63 |
| L39b | B5259 Saltcotes Road between Corka Lane Access and accesses A25 / A26. | 4,687 | 63 |
| L41 | Ballam Road between Peel Road and Fox Lane Ends | 2,135 | 16 |







| Link reference | Description | Annual Average Daily Traffic Flows (AADT) | |
|-------------------|--|--|-------------------------|
| | | Total Vehicles | Heavy Vehicles (HVs) |
| L42 | A583 Preston New Road between B5410 Lytham St Annes Way roundabout and Fox Lane Ends | 11,545 | 156 |
| L43a | B5260 Fox Lane Ends between A583 Preston New Road and Balham Road | 5,909 | 56 |
| L43b | B526 Fox Lane Ends between Balham Road and B5259 Ribby Road roundabout | 5,909 | 56 |
| L45 | B5259 Ribby Road between B5260 Station Road mini roundabout and A583 Blackpool Road | 8,268 | 90 |
| L46 | Bryning Lane between B5260 Station Road roundabout and accesses A34 / A37 | 7,482 | 107 |
| L47 | Bryning Lane between accesses A34 / A37 and A584 Lytham Road | 5,268 | 101 |
| L49 | A584 Preston Road between Saltcotes Road and Church Road | 14,788 | 302 |
| L50 | A583 Blackpool Road between Fox Lane Ends and A585 roundabout | 10,875 | 304 |
| L51 | A585 between A583 Blackpool Road and J3 of M55 | 16,269 | 352 |
| L52 | A583 Blackpool Road between A585 and Kirkham Road | 13,678 | 273 |
| L53 | Kirkham Road between A583 Kirkham Bypass and accesses A42 / A43 | 7,509 | 90 |
| L54 | Kirkham Road between accesses A52 / A53 and A584 Preston New Road | 4,444 | 52 |
| L55 | A584 Preston New Road between Church Road and Kirkham Road | 15,191 | 140 |
| L57a | A584 Preston New Road between accesses A48 / A49 | 14,190 | 241 |
| L57b | A584 Preston New Road between Kirkham Road and access A48 | 14,190 | 241 |
| L58a | A584 Preston New Road between A583 Blackpool Road and access A51 | 14,469 | 418 |
| L58b | A584 Preston New Road between accesses A49 / A51 | 14,469 | 418 |
| L61a | A583 Kirkham Bypass between Freckleton/Kirkham Road and access Morgan substation access. | 11,302 | 116 |
| L61b | A583 Kirkham Bypass between Morgan substation access and access A50 | 11,302 | 116 |
| L61c | A583 Kirkham Bypass between access A50 and accesses A52 / A53 | 11,302 | 116 |







| Link reference | Description | Annual Average Daily Traffic Flows (AADT) | |
|-------------------|---|--|-------------------------|
| | | Total Vehicles | Heavy Vehicles (HVs) |
| L61d | A583 Kirkham Bypass between accesses A52 / A53 and Preston New Road | 11,302 | 116 |
| L63 | Lodge Lane between accesses A65 / A66 and A583 | 2,140 | 23 |
| L65a | A583 Blackpool Road between Preston New Road and access A56 | 25,163 | 660 |
| L65b | A583 Blackpool Road between accesses A56 / A57 | 25,163 | 660 |
| L65c | A583 Blackpool Road between access A57 and Preston Western Distributor | 25,163 | 660 |
| L67 | Preston Western Distributor Road between A583 and Cottom Link Road | 13,880 | 990 |
| L68 | Preston Western Distributor Road between Cottom Link Road and East-West Link Road | 16,890 | 1,156 |
| L69 | William Young Way between A582 Edith Rigby Way and Sandy Lane | 4,724 | 67 |
| L70 | Preston Western Distributor Road between East- West Link Road and M55 J2 | 16,473 | 1,163 |
| L71 | A585 Riverways between Preston Western Distributor and Nelson Way | 20,866 | 704 |
| L72 | Nelson Way from A583 Riversway to access A58 | 4,015 | 205 |
| L73 | M55 between M6 J32 and M55 J1 | 70,425 | 4,683 |
| L74 | M55 between J1 (A6) and J2 (Preston Western Distributor) | 72,919 | 7,511 |
| L75 | M55 between J2 (Preston Western Distributor) and J3 (A585) | 66,062 | 4,360 |
| L76 | M55 between J3 (A585) and J4 (Preston New Road) | 46,650 | 2,566 |
| L77 | M6 (north of M55 junction) | 73,948 | 11,758 |
| L78 | M6 between J32 and J31A | 131,149 | 16,262 |
| L79 | M6 between J31A and J31 | 153,933 | 21,560 |
| L80 | M6 between J31 and J30 | 159,200 | 21,898 |
| L81 | M61 between M6 J30 and M61 J9 (M65 junction) | 75,170 | 8,227 |
| L82 | M65 east of J2 (M61 junction) | 65,476 | 7,353 |
| L83 | M61 south of M61 J9 (M65 junction) | 69,830 | 7,010 |
| L84 | M65 between M61 J9 and M6 J29 | 53,056 | 5,734 |
| L85 | M6 between M6 J30 (M61 junction) and A6 junction | 83,957 | 13,307 |







| Link reference | Description | Annual Average Daily Traffic Flows (AADT) | |
|-------------------|--|--|-------------------------|
| | | Total Vehicles | Heavy Vehicles (HVs) |
| L87 | M6 south of J29 (M65 junction) | 100,391 | 15,711 |
| L90 | A6 north of A582 roundabout | No construction | n traffic along link. |
| L91 | A6 between M65 roundabout and A582 roundabout | 40,896 | 2,308 |
| L92 | A582 Lostock Lane between B5254 Watkin Lane roundabout and A6 roundabout | 31,412 | 2,156 |
| L93 | A582 Farrington Road between B5254 Watkin Lane junction and Croston Road junction | 25,527 | 1,179 |
| L94 | A582 Flensburg Way | 22,086 | 804 |
| L95 | A582 Penwortham Way between Flensburg Way roundabout and Chain House Lane junction | 22,939 | 559 |
| L96 | A582 Penwortham Way between Chain House Lane junction and Pope Lane | 19,503 | 462 |
| L97 | A582 Penwortham Way between Pope Lane and A59 junction | 18,483 | 663 |
| L98 | A59 John Horrocks Way between A582 roundabout and Liverpool Road junction | 17,582 | 1,051 |
| L99 | A59 south west of Liverpool Road junction to Stanley Avenue roundabout | 23,029 | 657 |
| L100 | Liverpool Road between A59 junction and Howick Cross Lane access | 10,224 | 45 |
| L101 | Howick Cross Lane between Liverpool Road and Penwortham substation access | 1,034 | 13 |







Table 1.4 Committed development – Stanways of Lytham, A584 Preston Road, FY8 5BG (Application reference: 22/0593) traffic flows.

| Link reference | Description | Annual Average Daily Traffic Flows (AADT) | |
|-------------------|--|--|-------------------------|
| | | Total Vehicles | Heavy Vehicles (HVs) |
| L1 | A584 between Waterloo Road and Squires Gate Lane | 0 | 0 |
| L2 | Waterloo Road between A585 and B5262 roundabout | 0 | 0 |
| L3 | A5073 Waterloo Road between B5262 roundabout and B5261 | 0 | 0 |
| L4 | B5262 between A5073 Waterloo Road and A5230 Squires Gate Lane | 0 | 0 |
| L5 | B5261 between A5073 Waterloo Road and A5230 Squires Gate Lane | 0 | 0 |
| L6 | A5073 Waterloo Road between B5261 roundabout and Preston New Road | 0 | 0 |
| L7 | A583 between B5390 and M55 J4 | 0 | 0 |
| L9 | A5230 Squires Gate Lane between A584 Clifton Drive N and Westgate Road | 0 | 0 |
| L10 | Westgate Road | 0 | 0 |
| L11 | A5230 Squires Gate Lane between Westgate Road and Amy Johnson Way | 0 | 0 |
| L12 | Amy Johnson Way | 0 | 0 |
| L13 | A5230 Squires Gate Lane between Amy Johnson Way and B5261 | 0 | 0 |
| L14 | A5230 Progress Way between B5261 and Ashworth Road Roundabout | 0 | 0 |
| L16 | A5230 Progress Way between Ashworth Road roundabout and M55 J4 | 0 | 0 |
| L17 | A584 Clifton Drive North between A5230 Squires Gate Lane and North Beach Car Park | 0 | 0 |
| L18 | Highbury Road West between A584 and St Anne's Old Links Golf Club | 0 | 0 |
| L19 | A584 Clifton Drive North between North Beach Car Park and Saltcotes Road | 0 | 0 |
| L20a | B5261 Queensway between A5230 Waterloo Road and accesses A7 / A8 | 0 | 0 |
| L20b | B5261 Queensway between accesses A7 / A8 and Kilnhouse Lane | 0 | 0 |
| L22a | Kilnhouse Lane from B5261 Queensway and Blackpool Road North junction. | 0 | 0 |







| Link reference | Description | Annual Average Daily Traffic Flows (AADT) | |
|-------------------|---|--|-------------------------|
| | | Total Vehicles | Heavy Vehicles (HVs) |
| L22b | Blackpool Road North from Kilnhouse Lane junction and access A5 | 0 | 0 |
| L23 | B5261 Heyhouses Lane between Blackpool Road North and B5410 junction | 0 | 0 |
| L24 | B5261 Heyhouses Lane between B5410 junction and A584 Clifton Drive | 0 | 0 |
| L25 | B5410 Lytham St Annes Way between B5261 Heyhouses Lane junction and Moss Hall Lane | 0 | 0 |
| L26 | B5410 Lytham St Annes Way from Moss Hall Lane and roundabout with School Road | 0 | 0 |
| L28 | B5410 Lytham St Annes Way between roundabout with School Road and Preston New Road roundabout | 0 | 0 |
| L29 | A583 Preston New Road between B5410 Lytham St Annes Way roundabout and M55 J4 roundabout | 0 | 0 |
| L30 | Peel Road between Ballam Road and Preston New Road | 0 | 0 |
| L31a | Ballam Road between Peel Road and accesses A16 / A19 | 0 | 0 |
| L31b | Ballam Road between accesses A16 / A19 and A584 East Beach | 0 | 0 |
| L37 | Saltcotes Road between A584 Preston Road and accesses A25 / A28 | 0 | 0 |
| L39a | B5259 Saltcotes Road between B5260 Station Road and Corka Lane Access | 0 | 0 |
| L39b | B5259 Saltcotes Road between Corka Lane Access and accesses A25 / A26. | 0 | 0 |
| L41 | Ballam Road between Peel Road and Fox Lane Ends | 0 | 0 |
| L42 | A583 Preston New Road between B5410 Lytham St Annes Way roundabout and Fox Lane Ends | 0 | 0 |
| L43a | B5260 Fox Lane Ends between A583 Preston New Road and Balham Road | 0 | 0 |
| L43b | B526 Fox Lane Ends between Balham Road and B5259 Ribby Road roundabout | 0 | 0 |
| L45 | B5259 Ribby Road between B5260 Station Road mini roundabout and A583 Blackpool Road | 0 | 0 |
| L46 | Bryning Lane between B5260 Station Road roundabout and accesses A34 / A37 | 0 | 0 |
| L47 | Bryning Lane between accesses A34 / A37 and A584 Lytham Road | 0 | 0 |







| Link reference | Description | Annual Average Daily Traffic Flows (AADT) | |
|-------------------|--|--|-------------------------|
| | | Total Vehicles | Heavy Vehicles (HVs) |
| L49 | A584 Preston Road between Saltcotes Road and Church Road | 1,203 | 0 |
| L50 | A583 Blackpool Road between Fox Lane Ends and A585 roundabout | 0 | 0 |
| L51 | A585 between A583 Blackpool Road and J3 of M55 | 0 | 0 |
| L52 | A583 Blackpool Road between A585 and Kirkham Road | 0 | 0 |
| L53 | Kirkham Road between A583 Kirkham Bypass and accesses A42 / A43 | 0 | 0 |
| L54 | Kirkham Road between accesses A52 / A53 and A584 Preston New Road | 0 | 0 |
| L55 | A584 Preston New Road between Church Road and Kirkham Road | 0 | 0 |
| L57a | A584 Preston New Road between accesses A48 / A49 | 0 | 0 |
| L57b | A584 Preston New Road between Kirkham Road and access A48 | 0 | 0 |
| L58a | A584 Preston New Road between A583 Blackpool Road and access A51 | 0 | 0 |
| L58b | A584 Preston New Road between accesses A49 / A51 | 0 | 0 |
| L61a | A583 Kirkham Bypass between Freckleton/Kirkham Road and access Morgan substation access. | 0 | 0 |
| L61b | A583 Kirkham Bypass between Morgan substation access and access A50 | 0 | 0 |
| L61c | A583 Kirkham Bypass between access A50 and accesses A52 / A53 | 0 | 0 |
| L61d | A583 Kirkham Bypass between accesses A52 / A53 and Preston New Road | 0 | 0 |
| L63 | Lodge Lane between accesses A65 / A66 and A583 | 0 | 0 |
| L65a | A583 Blackpool Road between Preston New Road and access A56 | 0 | 0 |
| L65b | A583 Blackpool Road between accesses A56 / A57 | 0 | 0 |
| L65c | A583 Blackpool Road between access A57 and Preston Western Distributor | 0 | 0 |
| L67 | Preston Western Distributor Road between A583 and Cottom Link Road | 0 | 0 |







| Link reference | Description | Annual Ave Traffic Flow | |
|-------------------|--|----------------------------|-------------------------|
| | | Total Vehicles | Heavy Vehicles (HVs) |
| L68 | Preston Western Distributor Road between Cottom Link Road and East-West Link Road | 0 | 0 |
| L69 | William Young Way between A582 Edith Rigby Way and Sandy Lane | 0 | 0 |
| L70 | Preston Western Distributor Road between East- West Link Road and M55 J2 | 0 | 0 |
| L71 | A585 Riverways between Preston Western Distributor and Nelson Way | 0 | 0 |
| L72 | Nelson Way from A583 Riversway to access A58 | 0 | 0 |
| L73 | M55 between M6 J32 and M55 J1 | 0 | 0 |
| L74 | M55 between J1 (A6) and J2 (Preston Western Distributor) | 0 | 0 |
| L75 | M55 between J2 (Preston Western Distributor) and J3 (A585) | 0 | 0 |
| L76 | M55 between J3 (A585) and J4 (Preston New Road) | 0 | 0 |
| L77 | M6 (north of M55 junction) | 0 | 0 |
| L78 | M6 between J32 and J31A | 0 | 0 |
| L79 | M6 between J31A and J31 | 0 | 0 |
| L80 | M6 between J31 and J30 | 0 | 0 |
| L81 | M61 between M6 J30 and M61 J9 (M65 junction) | 0 | 0 |
| L82 | M65 east of J2 (M61 junction) | 0 | 0 |
| L83 | M61 south of M61 J9 (M65 junction) | 0 | 0 |
| L84 | M65 between M61 J9 and M6 J29 | 0 | 0 |
| L85 | M6 between M6 J30 (M61 junction) and A6 junction | 0 | 0 |
| L87 | M6 south of J29 (M65 junction) | 0 | 0 |
| L90 | A6 north of A582 roundabout | No construction | on traffic along link. |
| L91 | A6 between M65 roundabout and A582 roundabout | 0 | 0 |
| L92 | A582 Lostock Lane between B5254 Watkin Lane roundabout and A6 roundabout | 0 | 0 |
| L93 | A582 Farrington Road between B5254 Watkin Lane junction and Croston Road junction | 0 | 0 |
| L94 | A582 Flensburg Way | 0 | 0 |
| L95 | A582 Penwortham Way between Flensburg Way roundabout and Chain House Lane junction | 0 | 0 |







| Link reference | Description | Annual Average Daily Traffic Flows (AADT) | |
|-------------------|---|--|-------------------------|
| | | Total Vehicles | Heavy Vehicles (HVs) |
| L96 | A582 Penwortham Way between Chain House Lane junction and Pope Lane | 0 | 0 |
| L97 | A582 Penwortham Way between Pope Lane and A59 junction | 0 | 0 |
| L98 | A59 John Horrocks Way between A582 roundabout and Liverpool Road junction | 0 | 0 |
| L99 | A59 south west of Liverpool Road junction to Stanley Avenue roundabout | 0 | 0 |
| L100 | Liverpool Road between A59 junction and Howick Cross Lane access | 0 | 0 |
| L101 | Howick Cross Lane between Liverpool Road and Penwortham substation access | 0 | 0 |

Table 1.5 2027 Baseline traffic flows

| Link reference | Description | Annual Average Daily Traffic Flows (AADT) | |
|-------------------|--|--|-------------------------|
| | | Total Vehicles | Heavy Vehicles (HVs) |
| L1 | A584 between Waterloo Road and Squires Gate Lane | 10,410 | 132 |
| L2 | Waterloo Road between A585 and B5262 roundabout | 2,227 | 151 |
| L3 | A5073 Waterloo Road between B5262 roundabout and B5261 | 10,557 | 57 |
| L4 | B5262 between A5073 Waterloo Road and A5230 Squires Gate Lane | 8,056 | 32 |
| L5 | B5261 between A5073 Waterloo Road and A5230 Squires Gate Lane | 9,041 | 86 |
| L6 | A5073 Waterloo Road between B5261 roundabout and Preston New Road | 13,795 | 184 |
| L7 | A583 between B5390 and M55 J4 | 23,902 | 519 |
| L9 | A5230 Squires Gate Lane between A584 Clifton Drive N and Westgate Road | 14,321 | 381 |
| L10 | Westgate Road | 925 | 0 |
| L11 | A5230 Squires Gate Lane between Westgate Road and Amy Johnson Way | 16,143 | 284 |
| L12 | Amy Johnson Way | 18,484 | 826 |







| Link reference | Description | Annual Average Daily Traffic Flows (AADT) | |
|-------------------|---|--|-------------------------|
| | | Total Vehicles | Heavy Vehicles (HVs) |
| L13 | A5230 Squires Gate Lane between Amy Johnson Way and B5261 | 15,899 | 533 |
| L14 | A5230 Progress Way between B5261 and Ashworth Road Roundabout | 18,223 | 1,060 |
| L16 | A5230 Progress Way between Ashworth Road roundabout and M55 J4 | 32,790 | 1,229 |
| L17 | A584 Clifton Drive North between A5230 Squires Gate Lane and North Beach Car Park | 19,886 | 245 |
| L18 | Highbury Road West between A584 and St Anne's Old Links Golf Club | 5,240 | 32 |
| L19 | A584 Clifton Drive North between North Beach Car Park and Saltcotes Road | 13,124 | 101 |
| L20a | B5261 Queensway between A5230 Waterloo Road and accesses A7 / A8 | 11,649 | 196 |
| L20b | B5261 Queensway between accesses A7 / A8 and Kilnhouse Lane | 11,649 | 196 |
| L22a | Kilnhouse Lane from B5261 Queensway and Blackpool Road North junction. | 7,792 | 171 |
| L22b | Blackpool Road North from Kilnhouse Lane junction and access A5 | 1,744 | 6 |
| L23 | B5261 Heyhouses Lane between Blackpool Road North and B5410 junction | 16,374 | 300 |
| L24 | B5261 Heyhouses Lane between B5410 junction and A584 Clifton Drive | 19,334 | 162 |
| L25 | B5410 Lytham St Annes Way between B5261 Heyhouses Lane junction and Moss Hall Lane | 9,770 | 82 |
| L26 | B5410 Lytham St Annes Way from Moss Hall Lane and roundabout with School Road | 9,770 | 82 |
| L28 | B5410 Lytham St Annes Way between roundabout with School Road and Preston New Road roundabout | 12,744 | 129 |
| L29 | A583 Preston New Road between B5410 Lytham St Annes Way roundabout and M55 J4 roundabout | 25,865 | 323 |
| L30 | Peel Road between Ballam Road and Preston New Road | 1,545 | 10 |
| L31a | Ballam Road between Peel Road and accesses A16 / A19 | 3,209 | 11 |
| L31b | Ballam Road between accesses A16 / A19 and A584 East Beach | 3,209 | 11 |
| L37 | Saltcotes Road between A584 Preston Road and accesses A25 / A28 | 5,323 | 64 |







| Link reference | Description | Annual Average Daily Traffic Flows (AADT) | | |
|-------------------|--|--|-------------------------|--|
| | | Total Vehicles | Heavy Vehicles (HVs) | |
| L39a | B5259 Saltcotes Road between B5260 Station Road and Corka Lane Access | 4,687 | 63 | |
| L39b | B5259 Saltcotes Road between Corka Lane Access and accesses A25 / A26. | 4,687 | 63 | |
| L41 | Ballam Road between Peel Road and Fox Lane Ends | 2,135 | 16 | |
| L42 | A583 Preston New Road between B5410 Lytham St Annes Way roundabout and Fox Lane Ends | 11,545 | 156 | |
| L43a | B5260 Fox Lane Ends between A583 Preston New Road and Balham Road | 5,909 | 56 | |
| L43b | B526 Fox Lane Ends between Balham Road and B5259 Ribby Road roundabout | 5,909 | 56 | |
| L45 | B5259 Ribby Road between B5260 Station Road mini roundabout and A583 Blackpool Road | 8,268 | 90 | |
| L46 | Bryning Lane between B5260 Station Road roundabout and accesses A34 / A37 | 7,482 | 107 | |
| L47 | Bryning Lane between accesses A34 / A37 and A584 Lytham Road | 5,268 | 101 | |
| L49 | A584 Preston Road between Saltcotes Road and Church Road | 15,991 | 302 | |
| L50 | A583 Blackpool Road between Fox Lane Ends and A585 roundabout | 10,875 | 304 | |
| L51 | A585 between A583 Blackpool Road and J3 of M55 | 16,269 | 352 | |
| L52 | A583 Blackpool Road between A585 and Kirkham Road | 13,678 | 273 | |
| L53 | Kirkham Road between A583 Kirkham Bypass and accesses A42 / A43 | 7,509 | 90 | |
| L54 | Kirkham Road between accesses A52 / A53 and A584 Preston New Road | 4,444 | 52 | |
| L55 | A584 Preston New Road between Church Road and Kirkham Road | 15,191 | 140 | |
| L57a | A584 Preston New Road between accesses A48 / A49 | 14,190 | 241 | |
| L57b | A584 Preston New Road between Kirkham Road and access A48 | 14,190 | 241 | |
| L58a | A584 Preston New Road between A583 Blackpool Road and access A51 | 14,469 | 418 | |
| L58b | A584 Preston New Road between accesses A49 / A51 | 14,469 | 418 | |







| Link reference | Description | Annual Average Daily Traffic Flows (AADT) | | | |
|-------------------|--|--|-------------------------|--|--|
| | | Total Vehicles | Heavy Vehicles (HVs) | | |
| L61a | A583 Kirkham Bypass between Freckleton/Kirkham Road and access Morgan substation access. | 11,302 | 116 | | |
| L61b | A583 Kirkham Bypass between Morgan substation access and access A50 | 11,302 | 116 | | |
| L61c | A583 Kirkham Bypass between access A50 and accesses A52 / A53 | 11,302 | 116 | | |
| L61d | A583 Kirkham Bypass between accesses A52 / A53 and Preston New Road | 11,302 | 116 | | |
| L63 | Lodge Lane between accesses A65 / A66 and A583 | 2,140 | 23 | | |
| L65a | A583 Blackpool Road between Preston New Road and access A56 | 25,163 | 660 | | |
| L65b | A583 Blackpool Road between accesses A56 / A57 | 25,163 | 660 | | |
| L65c | A583 Blackpool Road between access A57 and Preston Western Distributor | 25,163 | 660 | | |
| L67 | Preston Western Distributor Road between A583 and Cottom Link Road | 13,880 | 990 | | |
| L68 | Preston Western Distributor Road between Cottom Link Road and East-West Link Road | 16,890 | 1,156 | | |
| L69 | William Young Way between A582 Edith Rigby Way and Sandy Lane | 4,724 | 67 | | |
| L70 | Preston Western Distributor Road between East- West Link Road and M55 J2 | 16,473 | 1,163 | | |
| L71 | A585 Riverways between Preston Western Distributor and Nelson Way | 20,866 | 704 | | |
| L72 | Nelson Way from A583 Riversway to access A58 | 4,015 | 205 | | |
| L73 | M55 between M6 J32 and M55 J1 | 70,425 | 4,683 | | |
| L74 | M55 between J1 (A6) and J2 (Preston Western Distributor) | 72,919 | 7,511 | | |
| L75 | M55 between J2 (Preston Western Distributor) and J3 (A585) | 66,062 | 4,360 | | |
| L76 | M55 between J3 (A585) and J4 (Preston New Road) | 46,650 | 2,566 | | |
| L77 | M6 (north of M55 junction) | 73,948 | 11,758 | | |
| L78 | M6 between J32 and J31A | 131,149 | 16,262 | | |
| L79 | M6 between J31A and J31 | 153,933 | 21,560 | | |
| L80 | M6 between J31 and J30 | 159,200 | 21,898 | | |







| Link reference | Description | Annual Average Daily Traffic Flows (AADT) | | |
|-------------------|--|--|-------------------------|--|
| | | Total Vehicles | Heavy Vehicles (HVs) | |
| L81 | M61 between M6 J30 and M61 J9 (M65 junction) | 75,170 | 8,227 | |
| L82 | M65 east of J2 (M61 junction) | 65,476 | 7,353 | |
| L83 | M61 south of M61 J9 (M65 junction) | 69,830 | 7,010 | |
| L84 | M65 between M61 J9 and M6 J29 | 53,056 | 5,734 | |
| L85 | M6 between M6 J30 (M61 junction) and A6 junction | 83,957 | 13,307 | |
| L87 | M6 south of J29 (M65 junction) | 100,391 | 15,711 | |
| L90 | A6 north of A582 roundabout | No construction | traffic along link. | |
| L91 | A6 between M65 roundabout and A582 roundabout | 40,896 | 2,308 | |
| L92 | A582 Lostock Lane between B5254 Watkin Lane roundabout and A6 roundabout | 31,412 | 2,156 | |
| L93 | A582 Farrington Road between B5254 Watkin Lane junction and Croston Road junction | 25,527 | 1,179 | |
| L94 | A582 Flensburg Way | 22,086 | 804 | |
| L95 | A582 Penwortham Way between Flensburg Way roundabout and Chain House Lane junction | 22,939 | 559 | |
| L96 | A582 Penwortham Way between Chain House Lane junction and Pope Lane | 19,503 | 462 | |
| L97 | A582 Penwortham Way between Pope Lane and A59 junction | 18,483 | 663 | |
| L98 | A59 John Horrocks Way between A582 roundabout and Liverpool Road junction | 17,582 | 1,051 | |
| L99 | A59 south west of Liverpool Road junction to Stanley Avenue roundabout | 23,029 | 657 | |
| L100 | Liverpool Road between A59 junction and Howick Cross Lane access | 10,224 | 45 | |
| L101 | Howick Cross Lane between Liverpool Road and Penwortham substation access | 1,034 | 13 | |
| L102 | Leach Lane N / Appealing Lane / The Hamlet | 750 | 1 | |

1.2 References

Jacobs (2019) M55 Heyhouses Link Road Traffic Modelling and Economic Appraisal Report. Available at:

April 2023.







Appendix A: M55 Heyhouses Link Road assumptions

| Calculations for percentage change for with and without scenario from M55 Heyhouses Link Road Modelling Report (Figure 4.3 and Figure 4.4) | | | | | | | |
|--|---------------|---------------|-------------------------|-------------------------|--------|-------------------|--|
| | | | Adjusted w/o Scheme for | | | | |
| | M55 Heyhouses | W Scheme 2019 | W/O Scheme 2019 | Blackpool traffic flows | Change | Percentage change | |
| | AM | 9 | 584 | 1947 | -575 | -30% | |
| B5261 Queensway | PM | 9 | 604 | 2013 | -595 | -30% | |
| | Total | 18 | 1188 | 3960 | -1170 | -30% | |
| | AM | 1,457 | 16 | No change | 1,441 | 9006% | |
| B5410 Lytham St Annes Way | PM | 1,283 | 21 | No change | 1,262 | 6010% | |
| | Total | 2,740 | 37 | No change | 2,703 | 7305% | |
| Peel Road | AM | 202 | 1,068 | No change | -866 | -81% | |
| | PM | 310 | 978 | No change | -668 | -68% | |
| | Total | 512 | 2,046 | No change | -1,534 | -75% | |

| Factors applied to modelling report data | | | | |
|---|------|--|--|--|
| Factor for Blackpool traffic from M55 Heyhouses Link Road | 0.30 | | | |
| Factor to apply to peak hour traffic flows to create daily traffic flow from traffic survey along Peel Road | 5.52 | | | |

| | Calculations of base or observed traffic flows to with scenario traffic flows | | | | | | | | | |
|------------------------|---|-----------------------|------------------------|---------------------------|---------------------|------------------------|----------------------|---|-----------------|---------|
| | | | Base or observed total | Percentage change from | | | Base or observed HVs | | | |
| | | Year of base or | vehicles AADT | with and without scenario | Total vehicles AADT | Updated total vehicles | AADT (without Link | HV % calculated from base or observed traffic | Updated HV AADT | HV AADT |
| Road Name | Link | observed traffic flow | (without Link Rd) | table above | change | AADT (with scenario) | Rd) | flows | (with scenario) | Change |
| Queensway B5261 | L20a and L20b | 2022 | 15974 | -30% | -4719.59 | 11254 | 269 | 1.7% | 189 | -79 |
| Blackpool Road B5261 | L24 | 2019 | 13,950 | Peel Rd AADT change | 4515.03 | 18465 | 117 | 0.8% | 155 | 38 |
| B5410 S (Construction) | L25 | 2019 | 204 | N/A | 9234.62 | 9439 | N/A | 0.8% | 79 | 79 |
| B5410 N (Construction) | L26 | 2019 | 204 | N/A | 9234.62 | 9439 | N/A | 0.8% | 79 | 79 |
| Lytham St Annes | L28 | 2022 | 7798 | Peel Rd AADT change | 4515.03 | 12313 | 79 | 1.0% | 125 | 46 |
| Peel Road | L30 | 2024 | 6,022 | -75% | -4515.03 | 1507 | 39 | 0.6% | 10 | -29 |
| Balham Road | L31a and L31b | 2024 | 7,646 | Peel Rd AADT Change | -4515.03 | 3131 | 26 | 0.3% | 11 | -15 |

Notes on assumptions and calculations

- 1. Information and data for adjustments to observed or base traffic flows have been taken from The traffic Modelling and Economic Appraisal Report.
- 2. Figure 4.1 of the modelling report presents the routes that will be affected by the M55 Heyhouses Link Road. This covers routes 1, 2, and 3, the links that have been adjusted are those that are covered by the routes presented on this figure.
 - 3. Initially for the three main routes we have taken the 2019 with and without scheme scenario from Figure 4.3 and Figure 4.4 of the modelling report and calculated the change in traffic flows.
- 4. For Queensway (route 1, link 20a and 20b), the modelling report sets out that modelled flows are only 30% of affected flows as this does not include Blackpool traffic. Therefore the without scheme scheme scenario has been divided by 0.30 to get 100% of flows. The change in traffic flows has then been calculated.
 - 5. The percentage change from the without scheme to with scheme has then been calculated for the three main routes.
 - 6. For links 20a, 20b, 24, 28, 30, 31a and 31b the total vehicles and HV base AADT has been taken from observed data. For links 20a, 20b, 31a, and 31b, the percentage change has been applied to the total vehicles AADT.
- 7. For link 24 (B5261 Blackpool Road) based on the routeing figure (Figure 4.1) from the modelling report it is presented that route 1 does not use link 24 and the only change to link 24 is the addition of Peel Road (L30) traffic flows.

 Similarly link 28 (B5410 Lytham St Annes) route 1 is already using L28 therefore the only change to L28 is the addition of Peel Road (L30) traffic flows.
- 8. For link 31 (Ballam Road), the modelling report change in traffic flows is based on Peel Road as set out in the modelling report (figure 4.3 and 4.4) therefore the change of traffic flows for Peel Road has been applied to link 31(Ballam Road).
- 9. For links 25 (B5410) and 26 (B5410), the total vehicles base traffic flow is taken from the without 2019 scenario flows, as the modelling report provides the traffic flows for the AM and PM peak hour only, a rate has been calculated from surrounding links from traffic survey data to apply to the AM and PM peak hour flows from the modelling report to create an AADT. The rate from Peel Road has been used which is is 5.52.
- 10. To calculate the change of total vehicles traffic flows for links 25 (85410) and 26 (85410) the change in total vehicles traffic flows from Peel Road and Queensway have been applied to this as these are the movements that will re route along the updated M55 link road. This has then created a base total vehicles AADT.
- 11. For HVs, the HV percentage from the observed traffic flows has been applied to the updated total vehicles AADT. For links 25 and 26 the HV percentage from the base traffic flows for L24 (Blackpool Road B5261) has been applied to the total vehicles AADT.







Appendix B: Growth Rates

| Growth rates | | | | | | |
|--------------|------------|---------------------|--|--|--|--|
| Core sce | | | | | | |
| Growth I | | | | | | |
| 2019 - 20 | 27 | | | | | |
| A Road | .—- | | | | | |
| Level | Area | Local Growth Figure | | | | |
| | Lancashire | | | | | |
| Minor | | | | | | |
| Level | Area | Local Growth Figure | | | | |
| | Lancashire | | | | | |
| 2022 - 20 |)27 | | | | | |
| A Road | | | | | | |
| | | Local Growth Figure | | | | |
| County | Lancashire | 1.034 | | | | |
| Minor | | | | | | |
| Level | Area | Local Growth Figure | | | | |
| County | Lancashire | 1.035 | | | | |
| 2023 - 20 | | | | | | |
| Motorwa | | | | | | |
| | | Local Growth Figure | | | | |
| County | Lancashire | 1.048 | | | | |
| A Road | | | | | | |
| | Area | Local Growth Figure | | | | |
| County | Lancashire | 1.029 | | | | |
| Minor Ro | oad | | | | | |
| Level | Area | Local Growth Figure | | | | |
| County | Lancashire | 1.030 | | | | |
| 2024-202 | 27 | | | | | |
| A Road | | | | | | |
| | | | | | | |

Local Growth Figure

Local Growth Figure 1.025

1.024

Level

County

Minor

Level

County

Area

Lancashire

Lancashire

Area

| | Growth Rate for links | | |
|--------------|---|------------------------|----------------|
| Link | | | |
| Reference | Description | Date | Growth Rate |
| L1 L2 | A584 between Waterloo Road and Squires Gate Lane Waterloo Road between A585 and B5262 roundabout | 2022 2024 | 1.034 1.025 |
| L3 | A5073 Waterloo Road between B5262 roundabout and B5261 | 2022 | 1.034 |
| L4 | B5262 between A5073 Waterloo Road and A5230 Squires Gate Lane | 2024 | 1.025 |
| L5 L6 | B5261 between A5073 Waterloo Road and A5230 Squires Gate Lane A5073 Waterloo Road between B5261 roundabout and Preston New Road | 2019 2022 | 1.047 |
| L7 | A5073 Waterioo koad between B5261 roundabout and Preston New Koad A583 between B5390 and M55 J4 | 2022 | 1.034 |
| L9 | A5230 Squires Gate Lane between A584 Clifton Drive N and Westgate Road | 2024 | 1.024 |
| L10 | Westgate Road | 2024 | 1.025 |
| L11 | A5230 Squires Gate Lane between Westgate Road and Amy Johnson Way | 2024 | 1.024 |
| L12 L13 | Amy Johnson Way A5230 Squires Gate Lane between Amy Johnson Way and B5261 | 2024 2022 | 1.025 1.034 |
| L14 | A5230 Progress Way between B5261 and Ashworth Road Roundabout | 2024 | 1.024 |
| L16 | A5230 Progress Way between Ashworth Road roundabout and M55 J4 | 2022 | 1.034 |
| L17 | A584 Clifton Drive North between A5230 Squires Gate Lane and North Beach Car Park | 2019 | 1.046 |
| L18 L19 | Highbury Road West between A584 and St Anne's Old Links Golf Club | 2022 2019 | 1.035 1.046 |
| L20a | A584 Clifton Drive North between North Beach Car Park and Saltcotes Road B5261 Queensway between A5230 Waterloo Road and accesses A7 / A8 | 2022 | 1.046 |
| L20b | B5261 Queensway between accesses A7 / A8 and Kilnhouse Lane | 2022 | 1.035 |
| L22a | Kilnhouse Lane from B5261 Queensway and Blackpool Road North junction. | 2022 | 1.035 |
| L22b | Blackpool Road North from Kilnhouse Lane junction and access A5 | 2024 | 1.025 |
| L23 L24 | B5261 Heyhouses Lane between Blackpool Road North and B5410 junction B5261 Heyhouses Lane between B5410 junction and A584 Clifton Drive | 2024 2019 | 1.025 1.047 |
| L25 | B5410 Lytham St Annes Way between B5261 Heyhouses Lane junction and Moss Hall Lane | 2022 | 1.035 |
| L26 | B5410 Lytham St Annes Way from Moss Hall Lane and roundabout with School Road | 2022 | 1.035 |
| L28 | B5410 Lytham St Annes Way between roundabout with School Road and Preston New Road roundabout | 2022 | 1.035 |
| L29 | A583 Preston New Road between B5410 Lytham St Annes Way roundabout and M55 J4 roundabout | 2022 | 1.034 |
| L30 L31a | Peel Road between Ballam Road and Preston New Road Ballam Road between Peel Road and accesses A16 / A19 | 2024 2024 | 1.025 1.025 |
| L31b | Ballam Road between accesses A16 / A19 and A584 East Beach | 2024 | 1.025 |
| L37 | Saltcotes Road between A584 Preston Road and accesses A25 / A28 | 2019 | 1.047 |
| L39a | B5259 Saltcotes Road between B5260 Station Road and Corka Lane Access | 2022 | 1.035 |
| L39b L41 | B5259 Saltcotes Road between Corka Lane Access and accesses A25 / A26. Ballam Road between Peel Road and Fox Lane Ends | 2022 2022 | 1.035 1.035 |
| L41 L42 | A583 Preston New Road between B5410 Lytham St Annes Way roundabout and Fox Lane Ends | 2022 | 1.033 |
| L43a | B5260 Fox Lane Ends between A583 Preston New Road and Balham Road | 2022 | 1.035 |
| L43b | B526 Fox Lane Ends between Balham Road and B5259 Ribby Road roundabout | 2022 | 1.035 |
| L45 | B5259 Ribby Road between B5260 Station Road mini roundabout and A583 Blackpool Road | 2022 | 1.035 |
| L46 L47 | Bryning Lane between B5260 Station Road roundabout and accesses A34 / A37 Bryning Lane between accesses A34 / A37 and A584 Lytham Road | 2019 2022 | 1.047 1.035 |
| L49 | A584 Preston Road between Saltcotes Road and Church Road | 2022 | 1.034 |
| L50 | A583 Blackpool Road between Fox Lane Ends and A585 roundabout | 2022 | 1.034 |
| L51 | A585 between A583 Blackpool Road and J3 of M55 | 2024 | 1.024 |
| L52 | A583 Blackpool Road between A585 and Kirkham Road | 2024 | 1.024 |
| L53 L54 | Kirkham Road between A583 Kirkham Bypass and accesses A42 / A43 Kirkham Road between accesses A52 / A53 and A584 Preston New Road | 2022 2022 | 1.035 1.035 |
| L55 | A584 Preston New Road between Church Road and Kirkham Road | 2024 | 1.024 |
| L57a | A584 Preston New Road between accesses A48 / A49 | 2024 | 1.024 |
| L57b | A584 Preston New Road between Kirkham Road and access A48 | 2024 | 1.024 |
| L58a L58b | A584 Preston New Road between A583 Blackpool Road and access A51 A584 Preston New Road between accesses A49 / A51 | 2024 2024 | 1.024 1.024 |
| L61a | A583 Kirkham Bypass between Freskleton/Kirkham Road and access Morgan substation access. | 2024 | 1.024 |
| L61b | A583 Kirkham Bypass between Morgan substation access and access A50 | 2024 | 1.024 |
| L61c | A583 Kirkham Bypass between access A50 and accesses A52 / A53 | 2024 | 1.024 |
| L61d L63 | A583 Kirkham Bypass between accesses A52 / A53 and Preston New Road | 2024 2024 | 1.024 1.025 |
| L65a | Lodge Lane between accesses A65 / A66 and A583 A583 Blackpool Road between Preston New Road and access A56 | 2024 | 1.025 |
| L65b | A583 Blackpool Road between accesses A56 / A57 | 2024 | 1.024 |
| L65c | A583 Blackpool Road between access A57 and Preston Western Distributor | 2024 | 1.024 |
| L67 | Preston Western Distributor Road between A583 and Cottom Link Road | 2024 | 1.024 |
| L68 L69 | Preston Western Distributor Road between Cottom Link Road and East-West Link Road William Young Way between A582 Edith Rigby Way and Sandy Lane | 2024 2024 | 1.024 1.025 |
| L70 | Preston Western Distributor Road between East-West Link Road and M55 J2 | 2024 | 1.023 |
| L71 | A585 Riverways between Preston Western Distributor and Nelson Way | 2024 | 1.024 |
| L72 | Nelson Way from A583 Riversway to access A58 | 2024 | 1.025 |
| L73 L74 | M55 between M6 J32 and M55 J1 | 2023/2024 2023/2024 | 1.048 |
| L74 L75 | M55 between J1 (A6) and J2 (Preston Western Distributor) M55 between J2 (Preston Western Distributor) and J3 (A585) | 2023/2024 | 1.048 |
| L76 | M55 between J3 (A585) and J4 (Preston New Road) | 2023/2024 | 1.048 |
| L77 | M6 (north of M55 junction) | 2023/2024 | 1.048 |
| L78 | M6 between J32 and J31A | 2023/2024 | 1.048 |
| L79 L80 | M6 between J31A and J31 M6 between J31 and J30 | 2023/2024 2023/2024 | 1.048 |
| L80 L81 | M6 between J31 and J30 M61 between M6 J30 and M61 J9 (M65 junction) | 2023/2024 | 1.048 |
| L82 | M65 east of J2 (M61 junction) | 2023/2024 | 1.048 |
| L83 | M61 south of M61 J9 (M65 junction) | 2023/2024 | 1.048 |
| L84 | M65 between M61 J9 and M6 J29 | 2023/2024 | 1.048 |
| L85 L87 | M6 between M6 J30 (M61 junction) and A6 junction M6 south of J29 (M65 junction) | 2023/2024 2023/2024 | 1.048 |
| L90 | A6 north of A582 roundabout | No construction trai | |
| L91 | A6 between M65 roundabout and A582 roundabout | 2022 | 1.034 |
| L92 | A582 Lostock Lane between B5254 Watkin Lane roundabout and A6 roundabout | 2024 | 1.024 |
| L93 | A582 Farrington Road between B5254 Watkin Lane junction and Croston Road junction | 2024 | 1.024 |
| L94 L95 | A582 Flensburg Way A582 Penwortham Way between Flensburg Way roundabout and Chain House Lane junction | 2024 2024 | 1.024 1.024 |
| L96 | A582 Penwortham Way between Chain House Lane junction and Pope Lane | 2024 | 1.024 |
| L97 | A582 Penwortham Way between Pope Lane and A59 junction | 2024 | 1.024 |
| L98 | A59 John Horrocks Way between A582 roundabout and Liverpool Road junction | 2024 | 1.024 |
| L99 | A59 south west of Liverpool Road junction to Stanley Avenue roundabout | 2024 | 1.024 |
| L100 L101 | Liverpool Road between A59 junction and Howick Cross Lane access Howick Cross Lane between Liverpool Road and Penwortham substation access | 2024 2024 | 1.025 1.025 |
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