

Viking CCS Pipeline

**Environmental  
Statement Volume IV –  
Appendix 12-1:  
Transport Baseline  
Survey Data**

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## Table of Contents

1	Introduction.....	1
2	Survey Dates.....	1
3	ATC Traffic Data .....	1
4	24hr AADT Baseline Traffic Flow .....	4
5	Future Baseline .....	6
	Appendix A – ATC Locations .....	9

## Tables

Table 1: ATC Survey Locations.....	1
Table 2: 24hr AADT All Vehicles and HGVS .....	4
Table 3: TEMPRO Growth Factor.....	6
Table 4: Future Baseline 24hr AADT All Vehicles and HGVS .....	6

# 1 Introduction

1.1.1 The Appendix provides a detail of the Automatic Traffic Count (ATC) data that has been collected to inform *ES Volume II Chapter 12: Traffic and Transport (Application Document 6.2.12)*., and will include the following information:

- ATC survey dates;
- ATC locations;
- Baseline ATC Traffic Data, and
- Future Baseline.

# 2 Survey Dates

2.1.1 ATCs were undertaken on the following dates to provide one week’s worth of traffic data:

- Week commencing 13 July 2022;
- Week commencing 23<sup>rd</sup> November 2022, and
- Week commencing 21<sup>st</sup> June 2023

The surveys undertaken in July 2022 were used to inform the PEIR, with the surveys undertaken in November 2022 and June 2023 undertaken to include additional highway links that were identified post PEIR as the design of the Proposed Development evolved.

# 3 ATC Traffic Data

3.1.1 **Table 1** provides an overview of the Automatic Traffic Counts (ATCs), with the ID number relating to the locations as shown on **Figure 1** and **Figure 2** above. The ATC locations are included within **Appendix A**.

**Table 1: ATC Survey Locations**

ID	Road Name	Date
1	B1210	July 2022
2	A1173	July 2022
3	A160	June 2023
4	Healing Road	July 2022
5	Wells Road	July 2022
6	A18	July 2022
7	Waltham Road 1	July 2022
8	Waltham Road 2	July 2022
9	A16	July 2022
10	Thoroughfare	July 2022
11	White Road	July 2022

ID	Road Name	Date
12	A18	July 2022
13	A16	July 2022
14	A46	July 2022
15	A46 - Grimsby Road	July 2022
16	Washingdales Lane	July 2022
17	Nooking Lane	July 2022
18	A1173	July 2022
19	A18 - Barton Street North	July 2022
20	A18 - Barton Street South	July 2022
21	A16 Peaks Parkway	July 2022
22	Pear Tree Lane	July 2022
23	Ings Lane	July 2022
24	Alvingham Road	July 2022
25	Yarburgh Road	July 2022
26	Westfield Road	July 2022
27	A18	July 2022
28	A16	July 2022
29	Louth Bypass	July 2022
30	B1200 Manby Middlegate	July 2022
31	A157	July 2022
32	A157	July 2022
33	Saltfleet Road	July 2022
34	A1031	July 2022
35	Thacker Bank	July 2022
36	Thacker Bank	July 2022
37	Alford Road	July 2022
38	Three Bridge Lane	July 2022
39	Mill Road	July 2022
40	Station Road	July 2022
41	Habrough Road	July 2022
42	A1173	July 2022
43	Mill Lane	July 2022
44	A160	July 2022
45	Killingholme Road	July 2022
46	Lock Road	July 2022
47	A16	July 2022
48	B1219 - Station Road	July 2022
49	A180 - Westgate	July 2022
50	Grimsby Road	November 2022

<b>ID</b>	<b>Road Name</b>	<b>Date</b>
51	A1031	November 2022
52	Thoresby Road	November 2022
53	A1031 Main Road	November 2022
54	Warren Road	November 2022
55	Walk Lane	June 2023
56	A1173	June 2023
57	Roxton Road	June 2023
58	Old Man Road	June 2023
59	Little Grimsby Lane	June 2023
60	Brackenborough Road	June 2023
61	Brackenborough Road 2	June 2023
62	North Holme Road	June 2023
63	Keddington Road	June 2023
64	Louth Road 1	June 2023
65	Mill Hill Way	June 2023
66	Red Leas Lane	June 2023
67	Pick Hill Lane	June 2023
68	Marsh Lane	June 2023
69	Louth Road 2	June 2023
70	Main Road	June 2023
71	Kings Street	June 2023
72	Weelsby Road	June 2023
73	A46 Laceby Road	June 2023
74	A16	June 2023
75	A1173 Manby Road	June 2023
76	Keelby Road	July 2022
77	A180 - East of A1173	WEBTRIS
78	A180 - Between A1173 and A160	WEBTRIS
79	Mablethorpe Road	November 2022

## 4 24hr AADT Baseline Traffic Flow

4.1.1 **Table 2** below presents the 24hr Average Annual Daily Traffic (AADT) for each of the surveyed sites included within *ES Volume II Chapter 12: Traffic and Transport (Application Document 6.2.12)*.

**Table 2: 24hr AADT All Vehicles and HGVS**

ID	Road Name	All Traffic AADT	HGVs AADT	HGV%
1	B1210	9198	602	7%
2	A1173	5755	631	11%
3	A160	10637	4287	40%
4	Healing Road	5546	443	8%
5	Wells Road	812	92	11%
6	A18	5973	926	16%
7	Waltham Road 1	4776	380	8%
8	Waltham Road 2	2572	203	8%
9	A16	10797	1287	12%
10	Thoroughfare	229	18	8%
11	White Road	1687	263	16%
12	A18	5259	895	17%
13	A16	11384	1421	12%
14	A46	7229	817	11%
15	A46 - Grimsby Road	14885	1449	10%
16	Washingdales lane	111	5	5%
17	Nooking Lane	1347	127	9%
18	A1173	3292	531	16%
19	A18 - Barton Street North	12318	1744	14%
20	A18 - Barton Street South	9892	1304	13%
21	A16 Peaks Parkway	15485	1396	9%
22	Pear Tree Lane	2098	248	12%
23	Ings Lane	274	30	11%
24	Alvingham Road	791	63	8%
25	Yarburgh Road	577	67	12%
26	Westfield Road	536	44	8%
27	A18	3666	640	17%
28	A16	15211	1810	12%
29	Louth Bypass	13812	801	6%
30	B1200 Manby Middlegate	3856	411	11%
31	A157	3799	384	10%
32	A157	2451	239	10%

ID	Road Name	All Traffic AADT	HGVs AADT	HGV%
33	Saltfleet Road	3159	327	10%
34	A1031	4172	385	9%
35	Thacker Bank	181	23	13%
36	Thacker Bank	2044	164	8%
37	Alford Road	6280	570	9%
38	Three Bridge Lane	1892	983	52%
39	Mill Road	2131	198	9%
40	Station Road	169	48	28%
41	Habrough Road	4054	308	8%
42	A1173	7027	1846	26%
43	Mill Lane	102	3	3%
44	A160	12990	5235	40%
45	Killingholme Road	4109	372	9%
46	Lock Road	656	81	12%
47	A16	9355	1292	14%
48	B1219 - Station Road	12351	725	6%
49	A180 - Westgate	28737	1437	5%
50	Grimsby Road	12764	178	1%
51	A1031	4312	56	1%
52	Thoresby Road	2795	35	1%
53	A1031 Main Road	2604	58	2%
54	Warren Road	3033	59	2%
55	Walk Lane	27	2	7%
56	A1173	6468	1271	20%
57	Roxton Road	158	5	3%
58	Old Man Road	149	13	9%
59	Little Grimsby Lane	351	37	11%
60	Brackenborough Road	565	36	6%
61	Brackenborough Road 2	1086	68	6%
62	North Holme Road	13839	952	7%
63	Keddington Road	2880	201	7%
64	Louth Road 1	2087	143	7%
65	Mill Hill Way	2284	191	8%
66	Red Leas Lane	82	8	10%
67	Pick Hill Lane	179	17	9%
68	Marsh Lane	1595	195	12%
69	Louth Road 2	1258	96	8%
70	Main Road	967	83	9%
71	Kings Street	678	48	7%



ID	Road Name	All Traffic AADT	HGVs AADT	HGV%
72	Weelsby Road	20382	1105	5%
73	A46 Laceby Road	17283	1087	6%
74	A16	14927	1242	8%
75	A1173 Manby Road	4689	1244	27%
76	Keelby Road	2146	122	6%
77	A180 - East of A1173	23041	3686	16%
78	A180 - Between A1173 and A160	32013	3067	10%
79	Mablethorpe Road	3033	59	2%

## 5 Future Baseline

5.1.1 Based upon the above Baseline ATC data from **Table 2**, the future baseline traffic data has been predicted using an average daily traffic growth factor as set out below in **Table 3**.

**Table 3: TEMPRO Growth Factor**

Local Authority	Daily Traffic Flow Growth Factor
East Lyndsey	1.0571
North East Lincolnshire	1.0559
North Lincolnshire	1.0627
<b>Daily Average</b>	<b>1.0585</b>

5.1.2 Therefore, taking the baseline traffic data from **Table 2** and the TEMPRO growth factors from **Table 3** the future baseline traffic can be set out as follows in **Table 4**.

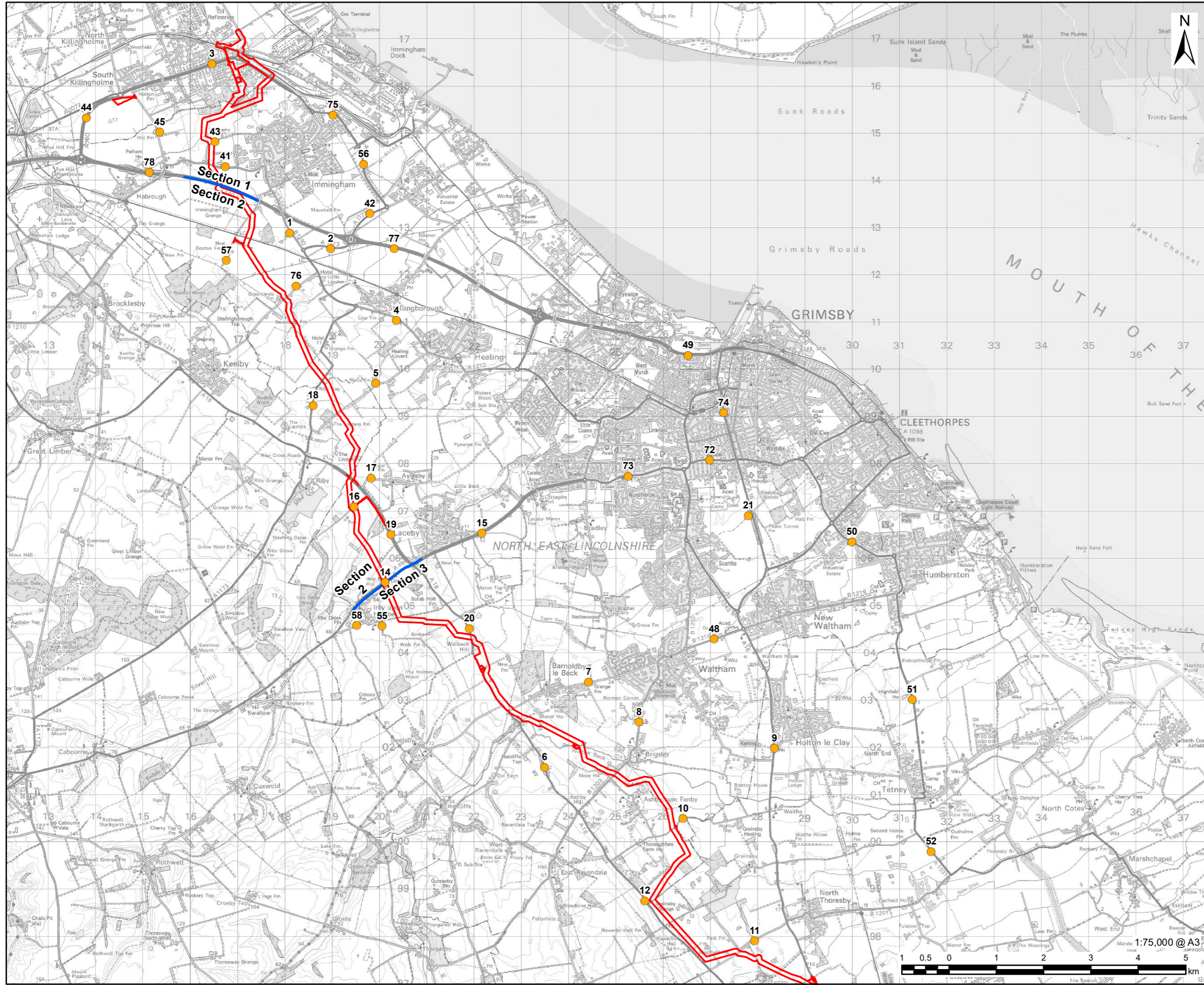
**Table 4: Future Baseline 24hr AADT All Vehicles and HGVs**

ID	Road Name	All Traffic AADT	HGVs AADT	HGV%
1	B1210	9737	637	7%
2	A1173	6092	668	11%
3	A160	11260	4538	40%
4	Healing Road	5871	469	8%
5	Wells Road	860	97	11%
6	A18	6323	980	16%
7	Waltham Road 1	5056	402	8%
8	Waltham Road 2	2723	215	8%
9	A16	11429	1362	12%
10	Thoroughfare	242	19	8%
11	White Road	1786	278	16%
12	A18	5567	947	17%
13	A16	12051	1504	12%
14	A46	7652	865	11%
15	A46 - Grimsby Road	15757	1534	10%

ID	Road Name	All Traffic AADT	HGVs AADT	HGV%
16	Washingdales lane	118	5	5%
17	Nooking Lane	1426	134	9%
18	A1173	3485	562	16%
19	A18 - Barton Street North	13039	1846	14%
20	A18 - Barton Street South	10471	1380	13%
21	A16 Peaks Parkway	16392	1478	9%
22	Pear Tree Lane	2221	263	12%
23	Ings Lane	290	32	11%
24	Alvingham Road	837	67	8%
25	Yarburgh Road	611	71	12%
26	Westfield Road	567	47	8%
27	A18	3881	677	17%
28	A16	16102	1916	12%
29	Louth Bypass	14621	848	6%
30	B1200 Manby Middlegate	4082	435	11%
31	A157	4021	406	10%
32	A157	2595	253	10%
33	Saltfleet Road	3344	346	10%
34	A1031	4416	408	9%
35	Thacker Bank	192	24	13%
36	Thacker Bank	2164	174	8%
37	Alford Road	6648	603	9%
38	Three Bridge Lane	2003	1041	52%
39	Mill Road	2256	210	9%
40	Station Road	179	51	28%
41	Habrough Road	4291	326	8%
42	A1173	7439	1954	26%
43	Mill Lane	108	3	3%
44	A160	13751	5542	40%
45	Killingholme Road	4350	394	9%
46	Lock Road	694	86	12%
47	A16	9903	1368	14%
48	B1219 - Station Road	13074	767	6%
49	A180 - Westgate	30420	1521	5%
50	Grimsby Road	13512	188	1%
51	A1031	4565	59	1%
52	Thoresby Road	2959	37	1%
53	A1031 Main Road	2757	61	2%
54	Warren Road	3211	62	2%

ID	Road Name	All Traffic AADT	HGVs AADT	HGV%
55	Walk Lane	29	2	7%
56	A1173	6847	1345	20%
57	Roxton Road	167	5	3%
58	Old Man Road	158	14	9%
59	Little Grimsby Lane	372	39	11%
60	Brackenborough Road	598	38	6%
61	Brackenborough Road 2	1150	72	6%
62	North Holme Road	14650	1008	7%
63	Keddington Road	3049	213	7%
64	Louth Road 1	2209	151	7%
65	Mill Hill Way	2418	202	8%
66	Red Leas Lane	87	8	10%
67	Pick Hill Lane	189	18	9%
68	Marsh Lane	1688	206	12%
69	Louth Road 2	1332	102	8%
70	Main Road	1024	88	9%
71	Kings Street	718	51	7%
72	Weelsby Road	21576	1170	5%
73	A46 Laceby Road	18295	1151	6%
74	A16	15801	1315	8%
75	A1173 Manby Road	4964	1317	27%
76	Keelby Road	2272	129	6%
77	A180 - East of A1173	24390	3902	16%
78	A180 - Between A1173 and A160	33888	3247	10%
79	Mablethorpe Road	3211	62	2%

# Appendix A – ATC Locations

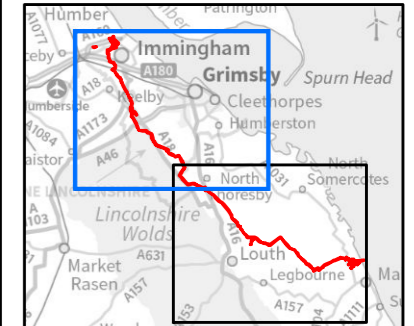


LEGEND

- DCO Site Boundary
- Route Section Break
- ATC Location

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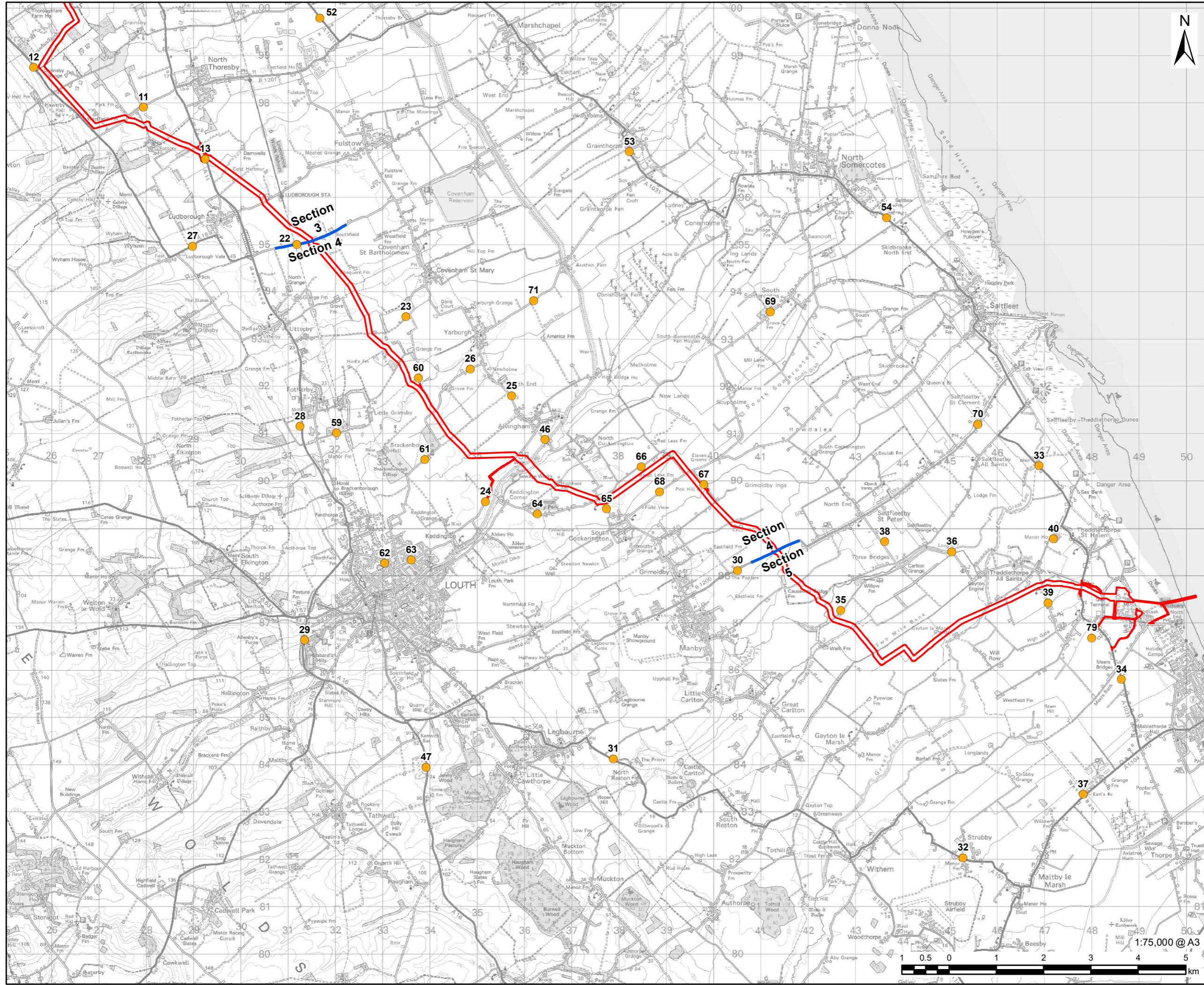


**FIGURE TITLE**

**Figure 1 (1 of 2)**

**ATC Locations**

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LEGEND

- DCO Site Boundary
- Route Section Break
- ATC Location

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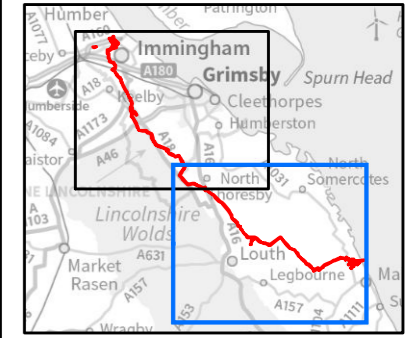


FIGURE TITLE

**Figure 1 (2 of 2)**

**ATC Locations**

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