



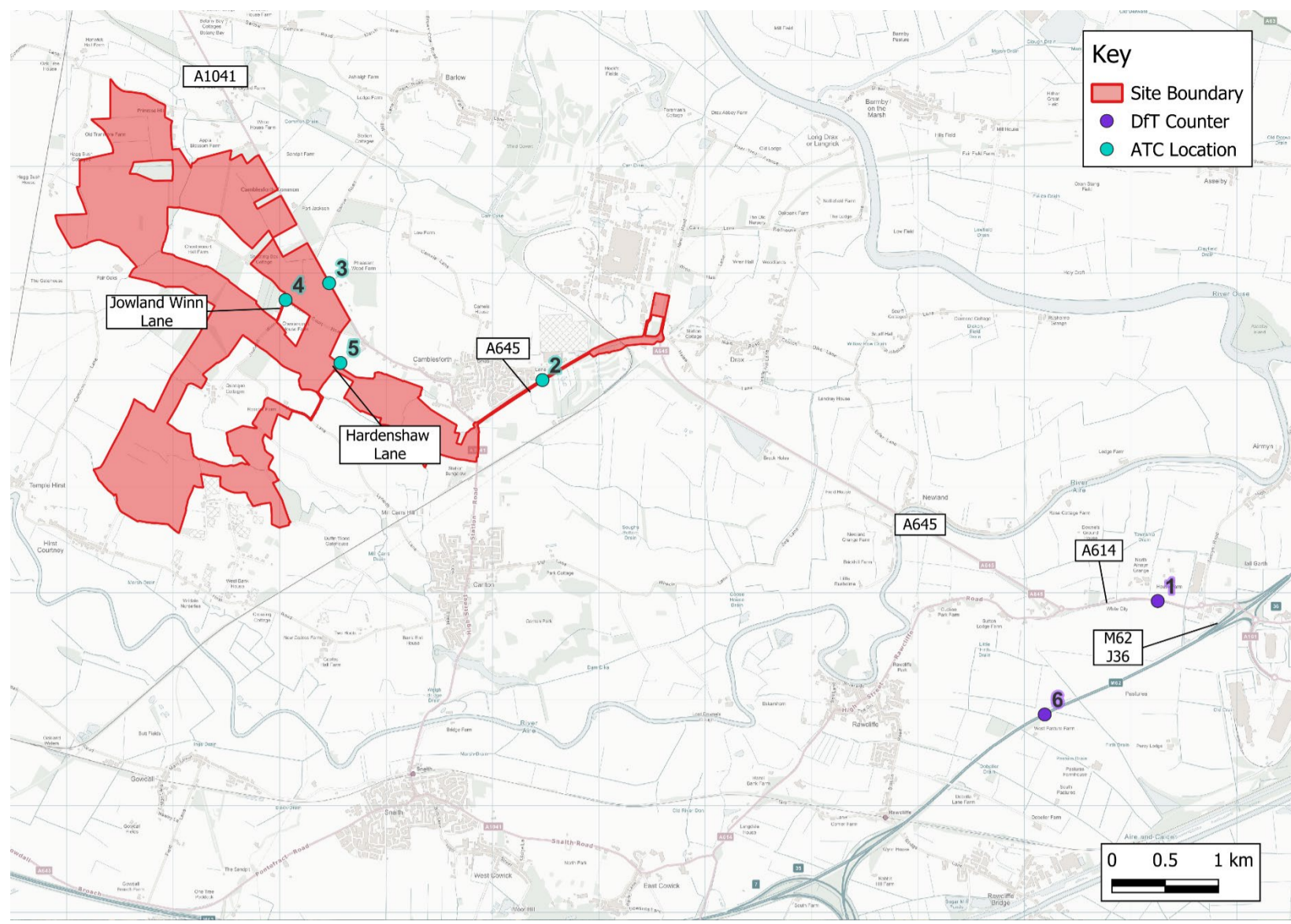
**HELIOS** RENEWABLE  
ENERGY  
PROJECT

**PINS Document Number:**  
EN010140/APP/6.3.12.1

**Pursuant to:**  
APFP Regulation 5(2)(a)

**Environmental Statement**  
**Appendix 12.1:**  
**Helios Traffic Flows**

June 2024



Counter	Location
1	A614
2	A645
3	A1041
4	Jowland Winn Lane
5	Hardenshaw Lane
6	M62

2022 Base Flows - AADT 24 Hr

Link	Base 2022				
	Total Vehicles	HGV	% HGV	Avg Speed	85th% Speed
A614*	12,171	1,018	8%	60mph	60mph
A645	7,382	586	8%	51mph	57mph
A1041	12,207	673	6%	52mph	58mph
Jowland Winn Lane	50	3	6%	30mph	40mph
Hardenshaw Lane	104	2	2%	30mph	38mph
M62*	52,000	12,325	24%	70mph	70mph

\*No ATC data, posted speed based on sign posted speed limit

Base 2027 plus Development - AADT 24 Hr

Link	Base 2027			Development		Base 2027 plus Development			Speeds		% Change (Total Vehicles)	% Change (HGV)
	Total Vehicles	HGV	% HGV	Total Vehicles	HGV	Total Vehicles	HGV	% HGV	Avg Speed	85th% Speed		
A614	12,598	1,054	8%	210	52	12,808	1,106	9%	60mph	60mph	2%	5%
A645	7,641	607	8%	210	52	7,851	659	8%	51mph	57mph	3%	9%
A1041	12,635	697	6%	182	38	12,817	735	6%	52mph	58mph	1%	5%
Jowland Winn Lane	51	3	6%	90	20	141	23	16%	30mph	40mph	175%	644%
Hardenshaw Lane	108	2	2%	46	10	154	12	8%	30mph	38mph	43%	576%
M62	53,825	12,758	24%	210	52	54,035	12,810	24%	70mph	70mph	0.4%	0.4%

	2022	2027	2027 + Dev
<b>Total</b>	83,913	86,858	87,806
<b>Total HGV</b>	14,607	15,120	15,344
<b>% HGV</b>	9%	9%	12%

<b>EFT</b>	
Uplift	210
% HGV	12%
Avg Speed	58.83
km / hr	94.6774722
Link Length	9.2

2022 Base Flows - AADT 24 Hr

Link	Base 2022				
	Total Vehicles	HGV	% HGV	Avg Speed	85th% Speed
A614*	12,171	1,018	8%	60mph	60mph
A645	7,382	586	8%	51mph	57mph
A1041	12,207	673	6%	52mph	58mph
Jowland Winn Lane	50	3	6%	30mph	40mph
Hardenshaw Lane	104	2	2%	30mph	38mph
M62*	52,000	12,325	24%	70mph	70mph

\*No ATC data, posted speed based on sign posted speed limit

Cumulative

Link	Total Vehicles	HGV	% HGV
A614	1,180	334	28%
A645	1,188	334	28%
A1041	412	0	0%
Jowland Winn Lane	0	0	0%
Hardenshaw Lane	0	0	0%
M62	1,180	334	28%

Base 2027 plus Development - AADT 24 Hr

Link	Base 2027			Development		Base 2027 plus Development			Base 2027 plus Development Plus Cumulative		Speeds		% Change (Total Vehicles)	% Change (HGV)
	Total Vehicles	HGV	% HGV	Total Vehicles	HGV	Total Vehicles	HGV	% HGV	Total Vehicles	HGV	Avg Speed	85th% Speed		
A614	12,598	1,054	8%	210	52	12,808	1,106	9%	13,988	1,440	60mph	60mph	9%	30%
A645	7,641	607	8%	210	52	7,851	659	8%	9,039	993	51mph	57mph	15%	51%
A1041	12,635	697	6%	182	38	12,817	735	6%	13,229	735	52mph	58mph	3%	0%
Jowland Winn Lane	51	3	6%	90	20	141	23	16%	141	23	30mph	40mph	0%	0%
Hardenshaw Lane	108	2	2%	46	10	154	12	8%	154	12	30mph	38mph	0%	0%
M62	53,825	12,758	27%	210	52	54,035	12,810	24%	55,215	13,144	70mph	70mph	2%	3%