

PROPOSED ANAEROBIC DIGESTION PLANT

LAND WEST OF RANGELL GATE, SPALDING, LINCOLNSHIRE

TRANSPORT STATEMENT

August 2024 jgv/24016/TS/v1

Northern Transport Planning Ltd

Tel: 01924 367460 Email: mail@ntpconsultants.co.uk Internet: www.ntpconsultants.co.uk



LAND WEST OF RANGELL GATE, SPALDING, LINCOLNSHIRE

Document Status - Final

Produced by:	 John Vernon	Date:	05 August 2024
Checked by:	 Andy Kirby	Date:	05 August 2024
Approved by:	 John Vernon	Date:	05 August 2024

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1 TRANSPORT STATEMENT

1.1 Introduction

- 1.1.1 Northern Transport Planning Ltd has been appointed to provide advice on the transport implications of proposals for an Anaerobic Digestion (AD) renewable energy plant on land west of Rangell Gate in Spalding, Lincolnshire.
- 1.1.2 This report provides a Transport Statement to support a planning application for the proposed development.

1.2 Development Site and Location

1.2.1 The proposed development site is located west of Rangell Gate, approximately 2.0km southeast of the centre of Spalding. The geographical location of the site is identified on **Plan 01**, **Plan 02** and **Plan 03**. The site is bounded to the east by Rangell Gate, to the south by agricultural land, to the west by the A16 and to the north by a recently constructed factory. The site is currently used for agriculture.

1.3 Development Proposals

- 1.3.1 The proposed development comprises an AD renewable energy plant as shown on the drawing provided as **Appendix A**. Imported food waste is converted into biogas, liquid biofertiliser, solid biofertiliser and carbon dioxide (CO2). The biogas is injected into the local National Grid gas network. The liquid and solid biofertiliser is transported off-site and used by local farmers on their fields. The CO2 gas produced as a by-product of the process is processed into liquid CO2 which is transported for use off-site.
- 1.3.2 The site has been selected due to its proximity to the gas network, good highway connections and appropriate distance from sensitive receptors. Access to the proposed development site would be provided via a new simple priority junction with Rangell Gate.



1.4 Accessibility by Sustainable Modes of Transport

By using the journey to work 2011 census data for people who work in the area surrounding the proposed development site (the workplace zone is E02005471: South Holland 007 – data provided within Appendix B) the following modal split for trips to the proposed development are estimated:

Mode Type	Modal Split
Walking	9.9%
Cycling	6.1%
Public Transport and Taxi	2.5%
PTW	0.7%
Passenger in a Car or Van	10.3%
Driver of a Car or Van	70.5%
Total	100.0%

Table 1.01: National Census Weekday Modal Split

- 1.4.2 It is generally accepted that walking is the most important mode of travel at the local level and offers the greatest potential to replace short car trips, particularly under 2.0km, and that cycling has the potential to substitute for short car trips, particularly those under 5.0km, and to form part of a longer journey by public transport. It is recognised that for public transport to be an attractive alternative mode of transport to the private car it needs to be easily accessible on foot ideally bus users should not have to walk more than 400m to their nearest bus stop
- 1.4.3 Within the site, footways, footpaths and areas of shared surface will be available providing links between the buildings, tanks and other elements of the facility and the car park, as shown on the site layout plan.
- 1.4.4 Covered and secure cycle parking spaces will be provided close to the entrance to the facility as part of the proposed development. Shower and changing facilities will be available.



- 1.4.5 Rangell Gate does not benefit from footways or footpaths and street lighting is not available. No specific facilities are apparent in the vicinity of the site to assist pedestrians to cross any of the major roads, although there are dropped kerbs on the footways and splitter islands to assist crossing at the nearby roundabout junction with the A16. It is therefore anticipated that few trips to the site would be made on foot.
- 1.4.6 Notwithstanding the above, a 2.0km walking radius, representing approximately a 25 minute walking distance (walking at 5kph/3mph), is identified on **Plan 04**. Having regard to the availability of pedestrian infrastructure and the alignment of links for walking and barriers to movement, a reasonable residential built-up area where future members of staff might live lies within a 2.0km walk from the site.
- 1.4.7 No facilities to assist cyclists are evident in the area close to the site, but on-site observations reveal cycling to be a relatively popular mode of transport for commuting. A 5.0km cycling radius, representing approximately a 15 minute cycle distance (cycling at 20kph/12mph), is identified on **Plan 05**. Having regard to the alignment of the links for cyclists and barriers to movement, a good built-up area where future staff members might live lies within a 5.0km cycle ride from the site, including the whole of Spalding.
- 1.4.8The nearest bus stops to the site are located on Halmer Gate, approximately an
1,200m walk from the site, which is somewhat further than ideal.

1.5 Travel Plan

- 1.5.1 Although it is not intended to operate a formal Travel Plan as part of the proposed development, the site operator will implement measures to assist staff to travel to and from the site without having to rely on the use of a single occupancy private car. Measures which will be considered include:
 - Encourage cycling as a mode of transport;
 - Encourage car sharing;
 - Encourage the use of Electric Vehicles (EVs); and
 - The use of a minibus to collect/drop-off staff at locations within nearby conurbations such as Spalding, Holbeach, Moulton and Weston the precise locations would be dependent on demand.



1.6 Site Access

1.6.1 Access to the proposed development site would be via a simple priority junction with Rangell Gate at the northern end of the site as shown on the site layout plan. Suitable visibility splays of 2.4m x 120m would be provided in accordance with the 40mph speed limit on Rangell Gate. The satisfactory manoeuvre of Heavy Goods Vehicles (HGVs) at the site access junction is identified on the drawing provided as Appendix C.

1.7 The Local Highway Network

- 1.7.1 The local highway network consists of Rangell Gate and the site access road. The local highway network is identified on **Plan 03**.
- 1.7.2 Rangell Gate is a 'B' classified road (the B1165) which is an adopted highway. The road is roughly aligned north-south and provides a connection between the A16 (and onwards to the centre of Spalding) to the northwest of the site, and the commercial premises, houses, farms and fields to the east and southeast of the site.
- 1.7.3 Rangell Gate has a single carriageway approximately 6.0m in width and is subject to a 40mph speed limit. In the vicinity of the site access there are no footways and the road is flanked by verges. The road does not benefit from street lighting.
- 1.7.4 Rangell Gate provides direct access to a number of industrial units, private dwellings, farms, fields and a School of Dance.
- 1.7.5 In the vicinity of the proposed development site access, on-street parking is permitted on both sides of Rangell Gate, but on-site observations indicate this does not occur.



1.8 Highway Safety

- 1.8.1 Personal Injury Accident (PIA) data provided on the 'Crashmap' website for the five year period 01/01/18 to 31/12/22 in the vicinity of the proposed development site (see Appendix D) reveals:
 - No PIAs recorded along the Rangell Gate site frontage.
 - A PIA, recorded as 'slight', occurred at the junction of Rangell Gate/Fulney Lane South on 19/09/2018. The PIA involved a car turning right impacting with a car driving straight ahead in daylight hours with fine weather and dry surface.
 - A PIA, recorded as 'slight', occurred at the junction of Rangell Gate/Fulney Lane South on 10/02/2021. The PIA involved a single car impacting with a tree in daylight hours during snowing weather and snowy road surface.
 - A PIA, recorded as 'slight', occurred on Rangell Gate west of Fulney Lane South on 30/09/2020. The PIA involved an HGV impacting the rear of an LGV in daylight hours during raining weather and wet surface.
 - A PIA, recorded as 'slight', occurred on Rangell Gate west of Fulney Lane South on 14/01/2019. The PIA involved a car impacting the rear of a pedal cycle in hours of darkness with fine weather and a dry surface.
- 1.8.2 There is nothing revealed by the PIA data to suggest that the local highway network has any particular safety issues relating to highway design, junction design or traffic volumes.

1.9 Existing Traffic Flows

1.9.1 The level of existing weekday peak period traffic using the local highway network has been determined from a manual classified traffic survey undertaken at the junction of Rangell Gate/Fulney Lane South on Tuesday 2nd July 2024 from 07:00 to 09:00 hours. The traffic flow data is provided as **Appendix E**. A consideration of the data reveals the observed AM peak to be 07:30 to 08:30 hours.



1.9.2	The peak observed traffic flows at Rangell Gate/Fulney Lane South are summarised
	in the table below:

Highway Link	Traffic Flow 07:30 - 08:30 hours							
	Car/ LGV	HGV	Bus/ Coach	M/C	P/C	Total	%HGV	
Fulney Lane South	93	19	0	0	8	120	15.8	
Rangell Gate north of Fulney Lane South	694	30	3	0	9	736	4.5	
Rangell Gate south of Fulney Lane South	609	11	3	0	1	624	2.2	

1.9.3 It can be seen that a two-way traffic flow of up to 736 vehicles per hour (vph) was observed on Rangell Gate, with around 5% of these being classified as HGVs or buses.

1.10 Carriageway Widths and Highway Capacity

- 1.10.1 The existing capacity of Rangell Gate has been assessed by making reference to advice provided by TA 79/99 Amendment No.1 Traffic Capacity of Urban Roads.
- 1.10.2 By reference to Table 2 of TA 79/99, for a 6.1m carriageway UAP4 (the lowest standard of highway) the two-way capacity is 1,250vph (i.e. 750vph = 60%, 500vph = 40%). This capacity assumes an HGV percentage of up to 15%.
- 1.10.3 The estimated capacity of Rangell Gate of 1,250vph can be compared with the existing observed peak flow of up to 736vph, i.e. the highway link is currently operating well within capacity.

1.11 Committed Highways Schemes and Traffic Management Schemes

1.11.1 We are not aware of any committed highways schemes or traffic management schemes which will significantly affect traffic conditions in the vicinity of the site and need to be considered as part of this Transport Statement.



1.12 Committed Development

1.12.1 Committed development which needs to be considered as part of this Transport Statement consists of the permitted food processing factory (Naylor Nutrition) on Rangell Gate located immediately north of the proposed development site. From onsite observations the factory appears to be almost complete, but is not yet operational. The Transport Statement submitted with the planning application for the proposed factory forecast traffic generation associated with the site, using TRICS data, of up to 17vph during the peak periods, and up to 169 vehicles per day (vpd).

1.13 Traffic Associated with Existing Development

1.13.1 The proposed development site is currently used for agriculture and generates an insignificant level of traffic.

1.14 Proposed Development Traffic Generation

- 1.14.1 The proposed development comprises the construction of an AD plant. The AD plant will convert food waste into biogas, liquid biofertiliser, solid biofertiliser and CO2.
- 1.14.2 The traffic generation of the proposed development has been calculated from first principles by considering the traffic associated with the different elements of the production process under the following sub-headings:
 - Staff Trips;
 - Servicing and Maintenance Trips;
 - Input Material Trips; and
 - Output Material Trips.
- 1.14.3 The calculations for traffic generation use specific information which has been provided by the future operator of the AD plant.

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<u>Staff Trips</u>

1.14.4 52 members of staff would typically work on-site on a weekday. Jobs undertaken by staff include operation of the AD plant itself (4 members of staff working 2 x 12 hour shifts), unpacking the food waste feedstock (10 members of staff, 2 x 8 hour shifts), processing the outputs (10 members of staff, 2 x 8 hour shifts) and working on the weighbridge (2 members of staff, 2 x 8 hour shifts). The operator of the site will have full control of shift patterns, which will be timed to ensure the efficient use of the car park in terms of vehicle movements and parking accumulation.

Time Period		Staff		Staff	Staff	
			Arrive	Depart	Accumulation	Movements
24.00	to	01.00		10	4	10
01.00	to	2.00			4	0
2.00	to	3.00			4	0
3.00	to	4.00			4	0
4.00	to	5.00			4	0
5.00	to	6.00	12		16	12
6.00	to	7.00	4		20	4
7.00	to	8.00	10	4	26	14
8.00	to	9.00			26	0
9.00	to	10.00			26	0
10.00	to	11.00			26	0
11.00	to	12.00			26	0
12.00	to	13.00			26	0
13.00	to	14.00	12		38	12
14.00	to	15.00		12	26	12
15.00	to	16.00	10		36	10
16.00	to	17.00		10	26	10
17.00	to	18.00			26	0
18.00	to	19.00	4		30	4
19.00	to	20.00		4	26	4
20.00	to	21.00			26	0
21.00	to	22.00			26	0
22.00	to	23.00		12	14	12
23.00	to	24.00			14	0
Totals:		Totals: 52 52		52		104

1.14.5 An estimate of a typical daily shift pattern is provided below:

Table 1.03: Typical Weekday Shift Pattern



1.14.6 By applying the national census car/van driver factor from **Table 1.01** (i.e. 0.7054) to the staff movements the daily traffic generation associated with staff movements is calculated as follows:

Time Devied		Staff V	ehicles	Staff Vehicle	Staff Vehicle		
I			Arrive	Depart	Accumulation	Movements	
24.00	to	01.00		7	4	7	
01.00	to	2.00			4	0	
2.00	to	3.00			4	0	
3.00	to	4.00			4	0	
4.00	to	5.00			4	0	
5.00	to	6.00	8		12	8	
6.00	to	7.00	3		15	3	
7.00	to	8.00	7	3	20	10	
8.00	to	9.00			20	0	
9.00	to	10.00			20	0	
10.00	to	11.00			20	0	
11.00	to	12.00			20	0	
12.00	to	13.00			20	0	
13.00	to	14.00	8		28	8	
14.00	to	15.00		8	20	8	
15.00	to	16.00	7		27	7	
16.00	to	17.00		7	20	7	
17.00	to	18.00			20	0	
18.00	to	19.00	3		22	3	
19.00	to	20.00		3	20	3	
20.00	to	21.00			20	0	
21.00	to	22.00			20	0	
22.00	to	23.00		8	11	8	
23.00	to	24.00			11	0	
Totals:		37	37		74		

1.14.7 It can be seen that the staff associated with the proposed development would generate up to 10vph and 74vpd. There would be a car park accumulation of up to 28 vehicles which would occur between 13:00 and 14:00 hours at the change of shift.



Servicing and Maintenance Trips

1.14.8 We understand that the vast majority of servicing and maintenance of the AD plant would be carried out by the permanent members of staff. There would inevitably be occasional trips to the site by specialists associated with servicing and maintenance, but this element of site operation will not consistently generate a significant level of traffic.

Input Material Trips

1.14.9 The AD plant will consume approximately 80,000t of food waste feedstock per year. The food waste will be delivered with an amount of packaging, which is estimated to weigh an additional 3,000t per annum. The 83,000t of food waste with packaging will be delivered to the AD plant 365 days per year using HGVs carrying 28t loads from sources within a 50 mile radius of the site. The delivery of feedstock will therefore generate a 2-way HGV traffic flow of 16.2vpd ((83,000/28)/365)*2 throughout the year.

Output Material Trips

- 1.14.10 The AD plant produces gas which will be injected into the local National Grid gas network; this element of the process therefore generates no traffic.
- 1.14.11 The AD plant would produce around 11,300t per year of carbon dioxide which will be liquified and removed off-site using tankers carrying 20t loads. The removal of CO2 will therefore generate a 2-way HGV traffic flow of 3.1vpd ((11,300/20)/365)*2 throughout the year.
- 1.14.12 The AD plant will produce approximately 51,600t of liquid biofertiliser per year, which will be removed off-site using HGVs carrying 28t loads. The removal of liquid biofertiliser will therefore generate a 2-way HGV traffic flow of 10.1vpd ((51,600/28)/365)*2 throughout the year.



- 1.14.13 The AD plant will produce approximately 16,600t of solid biofertiliser per year, which will be removed off-site using HGVs carrying 28t loads. The removal of solid biofertiliser will therefore generate a 2-way HGV traffic flow of 3.2vpd ((16,600/28)/365)*2 throughout the year.
- 1.14.14 Finally, the 3,000t of packaging material which is delivered with the feedstock each year will be removed off-site using HGVs carrying 28t loads. The removal of packaging material will therefore generate a 2-way HGV traffic flow of 0.6vpd ((3,000/28)/365)*2 throughout the year.
- 1.14.15 It should be noted that there is the potential for backhauling some material, i.e. using the same HGV which delivers feedstock to the AD plant to subsequently remove biofertiliser off-site, however the practicality of this is currently unknown and therefore the traffic generation estimates presented above represent a 'worst case scenario'.

Activity	2-Way	/ Traffic
Activity	Car/van	HGV
Staff	73	0
Servicing and Maintenance	0	0
Feedstock and Packaging Delivery	0	16.2
Carbon Dioxide Removal	0	3.1
Liquid Biofertiliser Removal	0	10.1
Solid Biofertiliser Removal	0	3.2
Packaging Removal	0	0.6
Totals	73	33.2

1.14.16 The proposed development traffic generation is summarised in the table below:

 Table 1.05: Daily Two-Way Vehicle Trips Associated with the Proposed

 Development

1.14.17 It can be seen, therefore, that the proposed development would generate up to 73 car/van movements and 33 HGV movements per day. In the peak hour there would be around 10 car/van movements (from **Table 1.04**) and around 3 HGV movements (assuming a 12 hour working day).



1.15 Traffic Distribution and Assignment

- 1.15.1 All HGV movements associated with the site would be via Rangell Gate to/from the roundabout junction with Low Road/A16. It is likely that the majority of HGV movements would subsequently be via the A16. The developer would be willing to agree with the Local Highway Authority on the route used via a Delivery Management Plan, which could be Conditioned.
- 1.15.2 The majority of car/LGV movements associated with the site are also likely to be via Rangell Gate to/from the roundabout junction with Low Road/A16, though any staff who live locally would travel via Rangell Gate south of the site.

1.16 Car Parking

1.16.1 A total of 40 car parking spaces are proposed. Based on the traffic generation forecasts this will be sufficient to cater for the proposed demand by staff including over shift-change times, and to accommodate a number of visitors to the site.

1.17 Traffic Impact

- 1.17.1 It is generally accepted that an increase of over 30 vehicles per hour, i.e. one vehicle every two minutes, is a useful 'rule of thumb' for considering materiality and triggering a requirement for a formal assessment.
- 1.17.2 The proposed development would generate up to 10 car/van movements and 3 HGV movements per hour in the peak periods. Having regard to the suitable design of the site access junction, the low levels of traffic generation and the modest levels of traffic currently using Rangell Gate, there is no reason to consider that the site access arrangements will not operate safely or within capacity.
- 1.17.3 There is no reason to consider that such an increase in traffic would have any implications for highway capacity or road safety on the local highway network beyond the site access junction, even allowing for the traffic associated with committed development in the area.



1.18 National Planning Policy Framework

1.18.1 Paragraph 111 of the NPPF states:

"Development should only be prevented or refused on highways grounds if there would be an unacceptable impact on highway safety, or the residual cumulative impacts on the road network would be severe."

1.18.2 The following comment is relevant in relation to the above:

 Impact of development – the analysis provided within this Transport Statement demonstrates that the traffic generated by the proposed development would not have a severe impact on the operation of the local highway network.

1.19 Overall Conclusion

1.19.1 Having regard to the above it is concluded that the proposed development is satisfactory from a transport policy, traffic and highways viewpoint.



PLANS

LAND WEST OF RANGELL GATE, SPALDING, LINCOLNSHIRE







APPENDIX A

LAND WEST OF RANGELL GATE, SPALDING, LINCOLNSHIRE

NOTES

TheLodge

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Red Line Boundary - 56,534sqm Area inside Bund - 28,382sqm Area including Bund - 36,274sqm

В 02/08/24

Red line ammended

Tank

A Access widened in accordace with highways consultant comments

Tank

SCALE 1:1000

Project PROPOSED AD PLANT

NAYLOR FARMS RANGELL GATE, SPALDING LINCOLNSHIRE Client

NAYLOR FARMS Drawing PROPOSED

SITE PLAN - VISIBILITY SPLAY

Scale 1:1000 @ A1 - 1:2000 @ A3 FEB 2024 Project No. 3899B Drawing No. Revision B

APPENDIX B

LAND WEST OF RANGELL GATE, SPALDING, LINCOLNSHIRE

WP703EW - Method of travel to work (2001 specification) (Workplace population)

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population units	All usual residents aged 16 to 74 in employment in the area the week before the census Persons
area type	2011 super output areas - middle layer
area name	E02005471 : South Holland 007

Method of travel to work	2011
All categories: Method of travel to work (2001 specification)	4,328
Work mainly at or from home	362
Underground, metro, light rail or tram	2
Train	11
Bus, minibus or coach	79
Taxi	5
Motorcycle, scooter or moped	27
Driving a car or van	2,789
Passenger in a car or van	408
Bicycle	242
On foot	391
Other method of travel to work	12

Walking	391	9.89%
Cycling	242	6.12%
Public Transport and Taxi	97	2.45%
PTW	27	0.68%
Passenger in a Car or Van	408	10.32%
Driving a Car or Van	2,789	70.54%
-	3,954	100.00%

APPENDIX C

LAND WEST OF RANGELL GATE, SPALDING, LINCOLNSHIRE

F 02/08/24	Red line ar	nmended		
E 25/07/24	Access wid	dened in accordace with	highways con	onsultant comments
D 11/07/24	'visibility s	splay' ommited from dra	awing name.	
C 11/06/24	General ar	rangement changes		Red Line Boundary - 57,124sqm
B 15/05/24	Decanter	added		Area inside Bund - 28,382sqm Area including Bund - 36,274sqm
A 07/03/24	Tree and Site entr	attentuation pond revi ance now on Rangell Ga	sed te	
0		25		50 N
SCALE 1:5	00			
Project PROPO	SED AD F	PLANT		
Address NAYLOI RANGE LINCOL Client NAYLOI Drawing PROPO SITE PL	R FARMS LL GATE, NSHIRE R FARMS SED _AN	SPALDING		PSAR ARCHITECTS
Date FEB 202	24	^{Scale} 1:500 @ A1 - 1:10	00 @ A3	193 Lincoln Road, Peterborough PE1 2PL T. 01733 568116. E. p-r@portessarchitect.com
Project No. 3899B		Drawing No. P01	Revision	www.portessarchitect.com

APPENDIX D

LAND WEST OF RANGELL GATE, SPALDING, LINCOLNSHIRE

Crashinap.co.ur					Validated Data		
Highest Injury Severity:	Slight	Road Number:	B1165		Casualties:	1	
Highway Authority:	Lincolnshire				Vehicles:	2	
Local Authority:	South Holland				OS Grid Reference:	526441	322746
Weather Description:	Fine without high winds					-2	
Road Surface Description:	Dry						
Speed Limit:	40			B115.			
Light Conditions:	Daylight: regardless of presence of stree	etlights		03			Fulney Ln S
Carriageway Hazards:	None				B1165 Rep.		
Junction Detail:	T or staggered junction			7	Adell Gate		
Junction Pedestrian Crossing:	No physical crossing facility within 50 m	etres			B1165		
Road Type:	Single carriageway						
Junction Control:	Give way or uncontrolled			ලංගුය			Map data ©2024

Validated Data

Vehicles Involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Maneouvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Car (excluding private hire)	15	Male	56 - 65	Vehicle is in the act of turning right	Front	Unknown	None	None
2	Car (excluding private hire)	6	Female	46 - 55	Vehicle proceeding normally along the carriageway, not on a bend	Offside	Unknown	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
2	1	Slight	Driver or rider	Female	46 - 55	Unknown or other	Unknown or other

For more information about the data please visit: www.crashmap.co.uk/home/faq

To subscribe to unlimited reports using CrashMap Pro visit: www.crashmap.co.uk/home/premium_services

Validated Data

Crash Date:	Monday, January 14, 2019	Tin
Highest Injury Severity:	Slight	Roa
Highway Authority:	Lincolnshire	
Local Authority:	South Holland	
Weather Description:	Fine without high winds	
Road Surface Description:	Dry	
Speed Limit:	40	
Light Conditions:	Darkness: no street lighting	
Carriageway Hazards:	None	
Junction Detail:	Not at or within 20 metres of junction	
Junction Pedestrian Crossing:	No physical crossing facility within 50 m	etres
Road Type:	Single carriageway	
Junction Control:	Not Applicable	

For more information about the data please visit: www.crashmap.co.uk/home/faq

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agilysis

Vehicles Involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Maneouvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Car (excluding private hire)	16	Male	56 - 65	Vehicle proceeding normally along the carriageway, on a left hand bend	Front	Unknown	None	None
2	Pedal cycle	-1	Male	16 - 20	Vehicle proceeding normally along the carriageway, not on a bend	Back	Journey as part of work	None	Entered ditch

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
2	1	Slight	Driver or rider	Male	16 - 20	Unknown or other	Unknown or other

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				Validated Data					
Slight	Road Number:	B1165		Cas	sualties:	1			
Lincolnshire				v	ehicles:	2			
South Holland				OS Grid Re	ference:	526398	322764		
Raining without high winds									
Wet or Damp									
30			*						
Daylight: regardless of presence of stree	etlights			B1165			1		
None					Bra				
Not at or within 20 metres of junction					1165	Pang			
No physical crossing facility within 50 m	etres					all Gate			
Single carriageway						B1165			
Not Applicable			Coogle				Map data ©2024		
	Slight Lincolnshire South Holland Raining without high winds Wet or Damp 30 Daylight: regardless of presence of street None Not at or within 20 metres of junction No physical crossing facility within 50 m Single carriageway Not Applicable	SlightRoad Number:LincolnshireSouth HollandRaining without high windsWet or Damp30Daylight: regardless of presence of streetlightsNoneNot at or within 20 metres of junctionNo physical crossing facility within 50 metresSingle carriagewayNot Applicable	Slight Road Number: B1165 Lincolnshire South Holland South Holland Raining without high winds Yet or Damp Yet or Damp 30 Daylight: regardless of presence of streetlights Yet or Damp None Yot at or within 20 metres of junction Yet or physical crossing facility within 50 metres Single carriageway Yot Applicable Yet or physical crossing facility within 50 metres	Slight Road Number: B1165 Lincolnshire South Holland South Holland South Holland Raining without high winds South Holland Wet or Damp South Holland 30 South Holland Daylight: regardless of presence of streetlights South Holland None South Holland Not at or within 20 metres of junction South Holland No physical crossing facility within 50 metres Single carriageway Not Applicable South Holland	Slight Road Number: B1165 Case Lincolnshire V South Holland OS Grid Re Raining without high winds V Wet or Damp V 30 Paylight: regardless of presence of streetlights None Not at or within 20 metres of junction No physical crossing facility within 50 metres Single carriageway Not Applicable	Slight Road Number: B1165 Casualties: Lincolnshire Vehicles: South Holland OS Grid Reference: Raining without high winds OS Grid Reference: Wet or Damp 30 Daylight: regardless of presence of streetlights Image: Construction for the soft junction None Not at or within 20 metres of junction No physical crossing facility within 50 metres Single carriageway Not Applicable Image: Construction	Validated Data Slight Road Number: B1165 Casualties: 1 Lincolnshire Vehicles: 2 South Holland OS Grid Reference: 526398 Raining without high winds South Holland South Holland 526398 Raining without high winds South Holland South Holland 526398 Not or Damp South Holland South Holland South Holland None South Holland South Holland South Holland None South Holland South Holland South Holland None South at or within 20 metres of junction South Holland South Holland South Holland No physical crossing facility within 50 metres South Holland South Holland South Holland South Holland Not Applicable South Holland South Holland South Holland South Holland South Holland		

For more information about the data please visit: www.crashmap.co.uk/home/faq

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Validated Data

Vehicles Involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Maneouvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Goods vehicle 7.5 tonnes mgw and over	1	Male	46 - 55	Vehicle proceeding normally along the carriageway, not on a bend	Front	Journey as part of work	None	None
2	Goods vehicle over 3.5 tonnes and under 7.5 tonnes mgw	-1	Male	36 - 45	Vehicle proceeding normally along the carriageway, not on a bend	Back	Journey as part of work	None	None

Casualties

Vehicle Ref	Casualty Ref	f Injury Casualty Class Severity		Gender	Age Band	Pedestrian Location	Pedestrian Movement
2	1	Slight	Driver or rider	Male	36 - 45	Unknown or other	Unknown or other

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Validated	Data
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Highest Injury Severity:	Slight	Road Number:	U0		Casualties:	1	
Highway Authority:	Lincolnshire				Vehicles:	1	
Local Authority:	South Holland				OS Grid Reference:	526439	322759
Weather Description:	Snowing without high winds					5	
Road Surface Description:	Snow						
Speed Limit:	40						
Light Conditions:	Daylight: regardless of presence of stree	tlights		81165			Fulney Ln
Carriageway Hazards:	None				B1165		
Junction Detail:	T or staggered junction				Reinigellic		
Junction Pedestrian Crossing:	No physical crossing facility within 50 me	etres			j _j ate Bi		
Road Type:	Single carriageway				100		
Junction Control:	Give way or uncontrolled			Coogle			Map data ©2024

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Validated Data

Vehicles Involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Maneouvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Car (excluding private hire)	8	Male	26 - 35	Vehicle proceeding normally along the carriageway, not on a bend	Front	Journey as part of work	None	Tree

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender Age		Pedestrian Location	Pedestrian Movement
1	1	Slight	Driver or rider	Male	26 - 35	Unknown or other	Unknown or other

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APPENDIX E

LAND WEST OF RANGELL GATE, SPALDING, LINCOLNSHIRE

		Traffic s	urvey at Fulne	ey Lane	South jw Ra	angell Gate	1				Traffic su	irvey at Fulne	y Lane S	South jw Ra	ngell Gate					Traffic su	rvey at Fuln	ey Lane S	outh jw Ra	ngell Gate		
		F	Rangell Gate	S/B	Straight A	Ahead to Ra	angell Gate				R	angell Gate	S/B	Left to Ful	ney Lane S	South			Fulney Lane South Right to Rangell Gate							
15 mins ending	Car/ LGV	HGV	Bus/ Coach	M/C	P/C	Total	%HGV	PCU	15 mins ending	Car/ LGV	HGV	Bus/ Coach	M/C	P/C	Total	%HGV	PCU	15 mins ending	Car/ LGV	HGV	Bus/ Coach	M/C	P/C	Total	%HGV	PCU
			Tues	day 02/	07/24							Tues	day 02/0)7/24							Tue	sday 02/0	7/24			
07:15	67	3	0	1	0	71	4.2%	73	07:15	28	0	0	0	1	29	0.0%	28	07:15	1	2	0	0	0	3	66.7%	5
07:30	70	0	0	0	0	70	0.0%	70	07:30	17	2	0	0	3	22	9.1%	22	07:30	9	3	0	0	0	12	25.0%	15
07:45	77	1	0	0	0	78	1.3%	79	07:45	26	2	0	0	5	33	6.1%	31	07:45	8	1	0	0	0	9	11.1%	10
08:00	67	2	0	0	0	69	2.9%	71	08:00	20	2	0	0	1	23	8.7%	24	08:00	8	2	0	0	0	10	20.0%	12
08:15	57	0	0	0	0	57	0.0%	57	08:15	12	5	0	0	2	19	26.3%	22	08:15	1	1	0	0	0	2	50.0%	3
08:30	71	1	0	0	1	73	1.4%	73	08:30	9	3	0	0	0	12	25.0%	15	08:30	5	3	0	0	0	8	37.5%	11
08:45	60	1	1	0	0	62	3.2%	64	08:45	10	1	0	0	0	11	9.1%	12	08:45	9	2	0	0	0	11	18.2%	13
09:00	61	0	0	0	0	61	0.0%	61	09:00	12	3	0	0	1	16	18.8%	18	09:00	10	3	0	0	0	13	23.1%	16
07:00- 09:00	530	8	1	1	1	541	1.7%	549	07:00- 09:00	134	18	0	0	13	165	10.9%	173	07:00- 09:00	51	17	0	0	0	68	25.0%	85
07:30- 08:30	272	4	0	0	1	277	1.4%	280	07:30- 08:30	67	12	0	0	8	87	13.8%	93	07:30- 08:30	22	7	0	0	0	29	24.1%	36

		Traffic su	urvey at Fuln	ey Lane S	South jw R	angell Gate	9				Traffic su	irvey at Fulne	ey Lane :	South jw Ra	ingell Gate					Traffic su	urvey at Fulne	ey Lane S	South jw Ra	ngell Gate			
		Fulney	Lane South		Left to Ra	angell Gate)				R	angell Gate	N/B	Right to F	ulney Lane	e South				R	angell Gate	N/B	Straight A	head to Ra	to Rangell Gate		
15 mins ending	Car/ LGV	HGV	Bus/ Coach	M/C	P/C	Total	%HGV	PCU	15 mins ending	Car/ LGV	HGV	Bus/ Coach	M/C	P/C	Total	%HGV	PCU	15 mins ending	Car/ LGV	HGV	Bus/ Coach	M/C	P/C	Total	%HGV	PCU	
Tuesday 02/07/24								-			Tues	day 02/0	07/24				-			Tues	day 02/0)7/24					
07:15	0	0	0	0	0	0	#DIV/0!	0	07:15	0	0	0	0	0	0	#DIV/0!	0	07:15	59	0	0	0	0	59	0.0%	59	
07:30	0	0	0	0	0	0	#DIV/0!	0	07:30	0	0	0	0	0	0	#DIV/0!	0	07:30	57	3	0	0	0	60	5.0%	63	
07:45	1	0	0	0	0	1	0.0%	1	07:45	1	0	0	0	0	1	0.0%	1	07:45	76	4	0	0	0	80	5.0%	84	
08:00	0	0	0	0	0	0	#DIV/0!	0	08:00	0	0	0	0	0	0	#DIV/0!	0	08:00	92	1	0	0	0	93	1.1%	94	
08:15	1	0	0	0	0	1	0.0%	1	08:15	0	0	0	0	0	0	#DIV/0!	0	08:15	87	0	0	0	0	87	0.0%	87	
08:30	1	0	0	0	0	1	0.0%	1	08:30	0	0	0	0	0	0	#DIV/0!	0	08:30	78	2	3	0	0	83	6.0%	88	
08:45	1	1	0	0	0	2	50.0%	3	08:45	0	0	0	0	0	0	#DIV/0!	0	08:45	81	5	1	1	0	88	6.8%	93	
09:00	0	0	0	0	0	0	#DIV/0!	0	09:00	0	0	0	0	0	0	#DIV/0!	0	09:00	70	4	0	0	0	74	5.4%	78	
07:00- 09:00	4	1	0	0	0	5	20.0%	6	07:00- 09:00	1	0	0	0	0	1	0.0%	1	07:00- 09:00	600	19	4	1	0	624	3.7%	646	
07:30- 08:30	3	0	0	0	0	3	0.0%	3	07:30- 08:30	1	0	0	0	0	1	0.0%	1	07:30- 08:30	333	7	3	0	0	343	2.9%	353	