

# Hornsea Offshore Wind Farm

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Project Two

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Environmental Statement  
Volume 6 – Onshore

## **Annex 6.8.3 Description of Network**

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SMart Wind Limited

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Volume 6 - Onshore  
Annex 6.8.3 – Description of Network

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The proposed onshore infrastructure (both the indicative onshore cable route and the HVDC converter/HVAC substation site at North Killingholme) for Project Two is immediately adjacent to Project One. The synergies were identified at an early stage and the environmental surveys to inform the baseline were designed to inform the EIA for both Project One and Project Two.



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## 1 DESCRIPTION OF NETWORK

	Link/Junction	Link Type	Width/ m	Forward visibility	Footways	Lighting	On-Street Parking	Speed Limit	Frontage Access	Sensitive Receptors	Notes
1	M180	M'way	11.0 (per c'way)	Good	N	N	N	70	N	N	
2	A180 (M180-A160)	Dual c'way	7.3 (per c'way)	Good	N	N	N	70	N	N	
3	A160 (A180-Top Rd)	Single c'way	7.5	Good	N	East from Ulceby Rd	N	60	N	N	Currently used by a high proportion of HGVs. Cable crossing west of HGV services area.
4	Top Road (South Killingholme)	Single c'way	7.3	Good	On east side behind verge	Y	N	30	Y	Residential (set back), pub	Footway/cycleway. No HGVs >7.5 t except for access.
5	East Halton Road (South Killingholme to Chase Hill Rd)	Single c'way	7.3	Good	Footway/ Cycleway on east side	Y	N	60	Limited	Residential in places	Visibility good at possible cable route access point south of railway.
6	Chase Hill Road (East Halton Rd-East Field Rd)	Single c'way	6.7-7.0	Poor at bends (west section)	N	N	N	40	N	N	Visibility good at cable route crossing point west of East Field Rd. Note proximity to East Field Rd junction. No HGVs >7.5 t except for access.
7	Chase Hill Rd (East Field Rd-Rosper Rd)	Single c'way	7.0	Good	N	N	N	40	N	N	Wide verge on north, hedge/tree belt with further verge behind. Access to power station to north.
8	Rosper Rd (Chase Hill Rd-A160)	Single c'way	7.3	Good	N	N	N	40	N	N	Provides access to Humber Sea Terminal and refinery.
9	Humber Rd (Rosper Rd-Docks)	Single c'way	8.0	Good	N	Y	N	60	N	N	Provides access to Docks.
10	A160 (Rosper Rd-Manby Rd rbt)	Single c'way	7.5	Good	N	Y	N	60	N	N	Rail overbridge – no height restriction indicated.
11	A160 (Top Rd- Manby Rd rbt)	Dual c'way	7.3 (per c'way)	Good	N	Y	N	70	N	N	
12	Eastfield Rd (Chase Hill Rd-A160)	Single c'way	7.3	Good	N	Y	N	40	N	N	Access to refinery.

	Link/Junction	Link Type	Width/ m	Forward visibility	Footways	Lighting	On-Street Parking	Speed Limit	Frontage Access	Sensitive Receptors	Notes
13	Church Rd (East Field Rd-North Killingholme)	Single c'way	5.3	Good	N	N	N	60	N	N	No HGVs >7.5 t.
14	Church Rd (North Killingholme)	Single c'way	5.3	Moderate	In Places	Y	In places	30	Y	Pedestrians in road, residential frontage, pub and church	No HGVs >7.5 t.
15	Habrough Rd (A160-Immingham Rd mini-rbt)	Single c'way	6.8	Good	N	N	N	60	N	N	
16	Habrough Rd/Immingham Rd mini-rbt	Single c'way	6.2-6.5	Moderate	Y (1 side on 2 arms)	Y	N	40	Y	Church, residential access, limited footways	Check swept path of HGVs.
17	B1210 Habrough Rd (Immingham Rd rbt-Stallingborough Rd)	Single c'way	6.0	Poor in places	North side	Y	N	60	limited	residential	
18	B1210 (Immingham)	Single c'way	7.8	Good	Y	Y	N	30	Private drives	Pub, residential	
19	B1210 (Immingham-Riby Rd rbt)	Single c'way	7.5 with 1m strips	Good	N	N	N	40-60	N	N	
20	Roxton Rd (to level crossing)	Single track passing on verges	3.0m-4.3m	Poor	N	N	N	60	N	N	At level crossing slow/heavy vehicles require permission to cross. Opportunity to gain access to cable route with minimal impact on hedgerows. Poor visibility over A180 bridge.
21	B1210 (Habrough)	Single c'way	7.0	Good but poor at bend at level crossing	Y	Y	Y	40	Y	Residential set back, pub, equestrian centre. Station car park.	At level crossing slow/heavy vehicles require permission to cross.
22	B1210 (Habrough-B1211)	Single c'way	7.0	Good	N	N	N	60	N	N	
23	B1211 (B1210-Keelby)	Single c'way	5.6	Good	N	Y	N	60	N	N	Footway on west side through Brocklesby.

	Link/Junction	Link Type	Width/m	Forward visibility	Footways	Lighting	On-Street Parking	Speed Limit	Frontage Access	Sensitive Receptors	Notes
24	A18 (Great Limber-Keelby)	Single c'way	7.5	Good	N	N	N	60	N	N	
25	A18 (great Limber)	Single c'way	7.3	Moderate	In places	Y	N	40	Y	Village store	
26	A18 (Great Limber-A180)	Single c'way	7.5m	Good	In places	Some through settlement	N	60	Limited	N	40 mph speed limit through Melton Ross.
27	Yarborough Rd (Keelby)	Single c'way	6.8	Good	Y	Y	Y	30	Y	Church, playground, village green	HGV >7.5 t for access only
28	Stallingborough Rd (Keelby-B1210)	Single c'way	5.2-6.0	Good	N	N	N	60	limited	N	HGV >7.5 t for access only
29	A1173 Riby Rd (B1210-Grange Farm)	Single c'way	6.8	Good	N	N	N	60	N	N	Access to cable route at bend will impact on trees. Access opposite Grange Farm will impact on a section of hedge.
30	A1173 (between bends)	Single c'way	6.6	Poor at Bends at either end	N	N	N	60	N	N	Access to cable route possible at south-eastern bend. Carriageway approx 2 m higher than field level.
31	A1173 (bends-A18)	Single c'way	6.8	Good	N	N	N	60	N	N	
32	A18 (B1211- A1173 Riby Crossroads)	Single c'way	7.8 plus 1m strips	Good	sporadic	N	N	60	N	N	B1211/A18 junction recently reconfigured. Priority to A18.
33	B1210 Healing Rd (Stallingborough Rd-Healing)	Single c'way	7.3	Good	On northern side	N	N	60-40	N	N	
34	Healing (B1210)	Single c'way	6.8	Mod-poor	Y	Y	limited	40-30	Y	Church, school, village hall, residential	
35	B1210 (Healing to A180 link)	Single c'way	6.8	Good	Y	Y	N	40	Y	school	Footway/cycleway on southern side. Signalised crossing by school.



	Link/Junction	Link Type	Width/ m	Forward visibility	Footways	Lighting	On-Street Parking	Speed Limit	Frontage Access	Sensitive Receptors	Notes
36	A180 link (to B1210)	Single c'way	7.5 plus 1m strips	Good	N	Y	N	60	N	N	
37	A1136 (A180 link-Aylesby Rd)	Single c'way	7.3	Good	On southern side	Y	N	60-40-30	N	N	
38	Aylesby Rd (A1136-southern extend of built up area)	Single c'way	5.5	Good	Y	Y	N	30-40	N	residential	No HGV >7.5 t
39	Aylesby Rd (built up area-Aylesby)	Single c'way	5.8	Good	N	N	N	60	N	N	No HGV >7.5 t
40	Aylesby (through Aylesby)	Single c'way	6.1	Mod	Y	N	Y	40	Y	residential	No HGV >7.5 t
41	A18 (Riby crossroads-A46)	Dual c'way	7.0 (per c'way)	Good	N	N	N	70	N	N	
42	A46 (A18-Morrisons rbt)	Dual c'way	6.75 (per c'way)	Good	Y	Y	N	50	N	N	Footway/cycleway on northern side. Possible access to cable route to north via sewage works access. Note proximity to Laceby on-slip. Note possible need for acceleration/deceleration lanes. Possible access to cable route to south.
43	Wells Road (B1210-Keelby Rd)	Single c'way	4.6-5.5	Poor at bends	N	N	N	40 (N)-60	N	N	Hedges on northern side set back 2.4 m. Deep ditch to south of potential access point.
44	A46 (Morrisons-Bradley rbt)	Dual c'way		Good	Y	Y	N	50	N	N	
45	Bradley Rd (through Bradley)	Single c'way	6.4	Good	Y	Y	In places	50	In places	Sports fields, care home	
46	Bradley Rd (Bradley Waltham)	Single c'way	6.4	Good	N	N	N	40	limited	N	
47	Bradley Rd (Waltham)	Single c'way	6.4	Good	Y	Y	N	30	Y	residential	
48	Waltham Rd (A18-Bradley Rd)	Single c'way	6.5	Good	N	N	N	60			Note mini-roundabout at Waltham Rd/Bradley Rd junction. 30 mph through Barnoldby. Access to cable route both north and south.



	Link/Junction	Link Type	Width/m	Forward visibility	Footways	Lighting	On-Street Parking	Speed Limit	Frontage Access	Sensitive Receptors	Notes
49	Waltham	Single c'way	Variable	Poor in places	Y	Y	Y	30	Y	Church, shops, school	Very constrained village centre.
50	B1219 Station Road (east of Waltham)	Single c'way	6.4	Good	Y	Y	N	60	N	N	Footway/cycleway on northern side.
51	B1219 through New Waltham	Single c'way	6.3	Good	Y	Y	N	30-40	Y	School, country club	Mini-roundabouts traffic calming.
52	A1031 Tetney Rd (Hemberston)	Single c'way	5.8	Good	Y	Y	N	30	Y	residential	
53	A16 (New Waltham)	Single c'way	8.2	Good	Y	Y	N	40	limited	N	
54	A16 south of cable route	Single c'way	~8.0	Good	In places	In places	In places	variable	In places	Generally No	The route is generally suitable for the passage of HGVs.
55	Cheapside (Waltham)	Single c'way	5.8	Good	In Waltham	Y	In places	40-30	In places	Residential	
56	B1203 (Waltham)	Single c'way	7.5	Mod in places	Y	Y	Y	30	Y	residential	Speed limit at cable route 40 mph. Access possible east and west with limited impact on hedges.
57	B1203 Brigsley Rd (Brigsley)	Single c'way	6.6	Mod	Y	N	N	30	Y	residential	
58	B1203 (Brigsley-A18)	Single c'way	5.6	Good	N	N	N	60-40	N	N	
59	A18 (Waltham Rd-B1203)	Single c'way	7.0	Good	N	N	N	60	N	N	
60	A18 (B1203-A16)	Single c'way	6.7	Good	N	N	N	60	N	N	Lighting and 30 mph speed limit in Ludborough.
61	Waithe Lane, Brigsley	Single track	6.6	Mod	Y	N	N	30	Y	Residential	Very constrained within village.
62	Cheapside (Waltham-A16)	Single c'way	5.8	Good	N	N	N	60	N	N	Possible access to cable route via industrial estate.
63	Waithe Lane (Brigsley-	Single track	3.0-3.6	Poor	N	N	N	60	N	N	Unsuitable for HGVs, no passing places.
64	A1031 (Humberston-Tetney)	Single c'way	6.8	Good	N	N	N	60	N	N	Possible access to cable route east and west.

	Link/Junction	Link Type	Width/ m	Forward visibility	Footways	Lighting	On-Street Parking	Speed Limit	Frontage Access	Sensitive Receptors	Notes
65	Station Road (A16-Tetney)	Single c'way	5.8	Good	N	N	N	60	N	N	Possible access to cable route north of Station Cottages and to west of Station Cottages.
66	Holton Rd, Tetney	Single track/c'way	4.2-5.3	Poor in places	Sporadic in village	Y	Y	30-60	Y	residential	Possible access east and west.
67	Tetney Lock Rd, (Tetney-Tetney Lock)	Single c'way	5.3-5.5	Poor at bends	N	N	N	60	N	N	School at western end (see 68). Uneven road surface around this area.
68	Tetney	Single c'way	5.8	Poor	Y	Y	Y	30	Y	Church, village hall, pre-school, school (20mph area), recreation area	
69	A1031 (Thoreby Rd to Tetney)	Single c'way	5.6	Good	N	N	N	60	N	N	
70	Tetney Lock	Single c'way	5.1	Poor	Some close to lock	N	Y	60	Y	Residential, pub	Uneven road surface around this area.
71	Lock Rd to North Coates	Single c'way	5.2	Good	N	N	N	60	N	N	
72	North Coates	Single c'way	6.5	Poor	Y	Y	Y	30	Y	Church, school, pub, village hall	
73	Sea Lane (North Coates to cable route)	Single c'way	5.5	Mod	N	N	N	60	N	N	
74	Sheep Marsh Lane (North Coates-sea wall)	Single track with passing places	3.0-3.2	Good	N	N	N	60	N	N	
75	Station Rd/Fen lane/B1201 (A16-North Coates)	Single c'way	5.6	Good	N	N	N	60	N	N	
76	B1201 (A1031-North Thorsby)	Single c'way	5.6-6.0	Mod	N	N	N	60	N	N	At North Thorsby

	Link/Junction	Link Type	Width/ m	Forward visibility	Footways	Lighting	On-Street Parking	Speed Limit	Frontage Access	Sensitive Receptors	Notes
77	Link from Sheep Marsh Lane to cable route (piggery)	Single track	2.9	Good	N	N	N	60	N	N	
78	New Delights (south from Tetney Lock Rd)	Single track	4.0	Good	N (footpath crosses)	N	N	-	N	N	Access to industrial unit. Forward Visibility for right turners poor – possible to improve.
79	B1201 (North Thoresby-A16)	Single c'way	5.5	Good	Y	Y	Y	40-30	Y	School, church, playing fields, shops	
80	A46 (west from A18)	Single c'way	variable	Generally good	In places	In places	Generally no	variable	In places	In places	Main route to Lincoln. Generally suitable for HGV traffic.

Note: Information contained within this table is based upon data gathered and observations made during site visits.