



AQUIND Limited

AQUIND INTERCONNECTOR

Environmental Statement – Volume 3 - Appendix 22.4 Baseline and Methodology Tables

The Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 – Regulation 5(2)(a)

The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017

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APPENDIX 22.4 BASELINE AND METHODOLOGY

TABLES

1.1. ASSESSMENT OF ROADS CONTAINING SENSITIVE RECEPTORS WITH A HIGH SENSITIVITY

Table 1 - Assessment of roads containing sensitive receptors with a high sensitivity

Road	Road Description / Location	Justification for High Sensitive Receptors
A2030 Winston Churchill Avenue / Victoria Road North / Goldsmith Avenue	Between A3 Anglesea Road and A288 Milton Road	International College Portsmouth; Portsmouth Law Courts; Somerstown Community Centre; ARK Ayrtton Primary School; Southsea Fire Station; Priory Tennis Sports Centre; Priory School; Lidl supermarket; Fratton Park (home to Portsmouth City Football Club); and Pompey Centre Retail Park.
A2047 London Road / A2047 Kingston Road/ A2047 Fratton Road Corridor	Between Portsbridge Roundabout and the A2030 Goldsmith Avenue.	Corpus Christi RC Primary School; concentration of commercial / retail premises between Stubbington Avenue and the B2152 Lake Road; an Aldi supermarket; The Portsmouth Academy; and an Asda supermarket.
A288 Copnor Road / A288 Baffins Road / A288 Milton Road Corridor	Between Portsbridge Roundabout and the A2030 Goldsmith Avenue.	A Lidl supermarket; Roko Health Club; Copnor Road surgery; Copnor Primary School; Kirkland Surgery; Miltoncross School; St Mary's Community Health Campus; St Mary's Treatment Centre; and Proximity to

Road	Road Description / Location	Justification for High Sensitive Receptors
		Fratton Park (Home of Portsmouth City Football Club) / the Pompey Centre retail park.
A288 Eastney Road	Between A2030 Goldsmith Avenue and Bransbury Road.	Mary Rose Academy; Milton Park Primary School; and Eastney Community Centre.
A3 Northern Parade / A3 Twyford Avenue / A3 Stamshaw Road Corridor	Between Portsbridge Roundabout and M275 Junction 2.	Howard Road Community Centre; Portsmouth Gymnastics Centre; Portsmouth Athletic Club; Nuffield Health Portsmouth Gym; Mountbatten Centre; Northern Parade Junior School; Northern Parade Infant School; and Stamshaw Infant School.
A3 Southampton Road	Between the M27 Junction 12 spur and Spur Road Roundabout.	Queen Alexandra Hospital.
B2152 Lake Road	Between A2030 Holbrook Road and A2047 Fratton Road.	ARK Dickens Primary Academy and Lake Road practice.
Battenburg Avenue	Hillsea, Portsmouth	Willows Centre and Cliffdale Primary School
Crookhorn Lane	Between Purbrook Way and B2177 Portsdown Hill Road	Crookhorn Lane Surgery; Riverside School; Phoenix community centre, Purbrook Chase Precinct (commercial premises); Moreland Primary School; The Portsmouth Golf Centre and route for NCN 222.
College Road	Between Purbrook Way and Crookhorn Lane	Havant and South Downs College – South Downs Campus
Dundas Lane	Portsmouth	Admiral Lord Nelson School and Ocean Retail Park.

Road	Road Description / Location	Justification for High Sensitive Receptors
Elizabeth Road / Woodlands Grove / Westbrook Grove	Between Stakes Hill Road and Ladybridge Road	Purbrook Infant School and Purbrook Junior School.
Eagle Avenue	Wecock Farm, Waterlooville	Rachel Maddoxs School, Acorn Community Centre and residential properties.
Eveleigh Road	Between Farlington Avenue and Gillman Road.	Solent Infant School.
Farlington Avenue	Between Burnham Road and A2030 Havant Road	Proximity to Solent Infant and Junior Schools.
Frendstaple Road	Waterlooville	Stakes Lodge Doctors Surgery and residential properties
Furze Lane	Between Moorings Way to Furze Lane Bus Link and Locksway Road.	University of Portsmouth Langstone Sports Site) and NCN 222 (off-road).
Gladys Avenue	Between A3 Northern Parade and A2047 London Road.	Corpus Christi RC Primary School.
Grove Road	Between Lower Drayton Lane and A2030 Eastern Road.	Route for NCN 22, Springfield School and Mountbatten Business Park.
Grove Road South	Between B2154 Elm Grove and Marmion Road Portsmouth	St John's College Junior School
Hart Plain Avenue	Between Milton Road and A3 London Road	Cowplain Community School; Hart Plain Infant School; and Hart Plain Junior School

Road	Road Description / Location	Justification for High Sensitive Receptors
Havant Road / A2030 Havant Road	Between Farlington Avenue and A2030 Eastern Road	Proximity to Solent Infant and Junior Schools.
Kent Road	Southsea, Portsmouth	Portsmouth High School GDST
Lovedean Lane	Between Day Lane and A3 Portsmouth Road.	Tesco Express and Woodcroft Primary School.
Lyndhurst Road	Portsmouth	Lyndhurst Junior School and College Park Infant School
Medina Road / Cow Lane / Northharbour Road	Cosham	Medina Primary School, Jubilee House Care Home and residential properties.
Middle Street	Portsmouth City Centre	Portsmouth University
Mill Road	Between A3 London Road and Elizabeth Road.	Mill Hill Primary School.
Milton Road	Between B2150 Hambledon Road and Lovedean Lane	Cowplain Community School; Hart Plain Infant School; Hart Plain Junior School; Vine Medical Group Health Centre Site and Milton Parade Shops.
Moorings Way	Between A2030 Eastern Road and the Moorings Way to Furze Lane Bus Link.	Moorings Way Infant School, and an on-road section of NCN route 222.
New Road	Between A2047 Kingston Road and A288 Copnor Road.	Newbridge Junior School.
Park Avenue	Between A3 London Road and Stakes Road	Purbrook Park School

Road	Road Description / Location	Justification for High Sensitive Receptors
Purbrook Heath Road	Between Newlands Lane and A3 London Road	Rowans Hospice and Woodside Nursery School.
Purbrook Way	Between Stakes Hill Road and B2150 Hulbert Road.	Havant and South Downs College – South Downs Campus, a B&Q retail store and an Asda supermarket.
Solent Road	Between Drayton Lane and Farlington Avenue.	Solent Junior School
Stakes Road	Widley, Waterlooville	Latham Lodge Care Home, and residential properties near the carriageway.
Stakes Hill Road	Between Rockville Drive and Purbrook Way	St Peter’s Catholic Primary School; Oaklands Catholic School; Oaklands Care Home; Crookhorn College and route for NCN 222.
St Mary’s Road	Between A2047 Fratton Road and A288 Milton Road.	The Portsmouth Academy.
Stubbington Avenue	Between A2047 London Road and A288 Copnor Road.	Good Manors Day Nursery; College Park Infant School; and Lyndhurst Junior School.
The Dale / Fir Copse Road	Between A3 London Road and Stakes Road	Purbrook Park School
Victoria Grove	Southsea Portsmouth	Home of Comfort Charitable Nursing Home. Otherwise no other significant trip generators.
Warfield Avenue	Waterlooville Town Centre	Waterloo School and proximity to Waterlooville Town Centre.

1.2. ASSESSMENT OF ROADS CONTAINING SENSITIVE RECEPTORS WITH A MEDIUM SENSITIVITY

Table 2 - Assessment of roads containing sensitive receptors with a medium sensitivity

Road	Road Description / Location	Justification for Medium Sensitive Receptors
A2030 Eastern Road	Between Airport Service Road and Moorings Way	Strategic route into Portsmouth; includes NCN route 222 on adjacent shared use path(s). Access to Ocean Retail Park along Burrfields Road. and Portsmouth College on Tangier Road.
A2030 Havant Road	Between A2030 Eastern Road and A3(M) Junction 5.	Route for NCN 222.
A2030 Velder Avenue	Between the A2030 Eastern Road and the A288 Milton Road.	Proximity to Fratton Park (Home of Portsmouth City Football Club) and the Pompey Centre retail park.
A3 London Road	Between A3 Maurepas Way and Ladybridge Road	Cluster of commercial premises Moorings Way between Campbell Crescent and Ladybridge Road plus four PRow.
	Between Ladybridge Road and B2177 Portsdown Hill Road	Commercial premises near Lansdowne Avenue.

Road	Road Description / Location	Justification for Medium Sensitive Receptors
A3 Maurepas Way	Between B2150 Hambledon Road and A3 London Road	Asda Supermarket, Waterlooville Fire Station, GP surgery and pedestrian links to Waterlooville town centre from MDA.
A3 Mile End Road / A3 Commercial Road / A3 Hope Street / A3 Marketway / A3 Alfred Road / A3 Anglesea Road Corridor	Between the end of the M275 and A2030 Goldsmith Avenue.	Portsmouth International Cargo Terminal; HMNB Portsmouth; Victory Retail Park; Sainsbury's supermarket; Cascades Shopping Centre; St John's Cathedral; Gunwharf Quays; and The University of Portsmouth.
A397 Northern Road	Between Spur Road roundabout and Portsbridge roundabout.	Cosham Interchange (bus stands) and route for NCN 22.
Angerstein Road	North End, Portsmouth	Residential street.
Anmore Road	Denmead	Residential street.
Anchorage Road	Between Norway Road and the A2030 Eastern Road.	Morrisons Supermarket.
Aylesbury Road/Queen's Road/Paulsgrove Road	Fratton, Portsmouth	Residential street.
Brading Avenue	Southsea, Portsmouth	Residential street.

Road	Road Description / Location	Justification for Medium Sensitive Receptors
B2177 Southwick Road	Between Crooked Walk Lane and Pitymoor Lane	Rural with on-road cycle lanes
B2149 Dell Piece West	Between A3 Portsmouth Road and A3(M)	Morrisons supermarket
B2150 Hambledon Road	Between Soake Road and A3 Maurepas Way	Key link between Denmead and Waterlooville. Commercial premises at Hambledon Parade. Large number of commercial premises in central Waterlooville including Wellington Retail Park; a Sainsbury's supermarket and a Lidl supermarket.
Cardiff Road	North End, Portsmouth	Residential street.
Cherry Tree Avenue	Cowplain, Waterlooville	Residential street.
Closewood Road	Denmead	Rural Road – lack of significant trip generators.
Eastney Esplanade	Southsea, Portsmouth	Southsea Green and beachfront and parks set back from the highway.
Ebery Grove	Milton, Portsmouth	Residential street.
Eldon Street / Norfolk Street	Southsea, Portsmouth	Residential street.

Road	Road Description / Location	Justification for Medium Sensitive Receptors
Gillman Road	Between B2177 Portsdown Hill Road and A2030 Havant Road.	Route for NCN 222
Guildford Road	Fratton, Portsmouth	Residential Street. Traffic calming at the junction with Manchester Street prohibits vehicular through access creating a circuitous detour away from Guildford Road.
Haselmere Road	Eastney, Portsmouth	Residential street.
Hayling Avenue	Milton, Portsmouth	Residential street.
Henderson Road	Eastney	Residential Street. Properties and community facilities (Eastney Swimming Pool / Cockleshell Naval Community Centre) set back from the highway.
Hurstville Drive	Waterlooville	Residential street.
Jubilee Road	Eastney, Portsmouth	Residential street.
Langley Road / Queen's Road / Pink Road	Fratton, Portsmouth	Residential street.
Lower Drayton Lane	Between Havant Road and Grove Road.	Route for NCN 222.

Road	Road Description / Location	Justification for Medium Sensitive Receptors
Lower Farlington Road / Fitzherbert Road	Between A2030 Havant Road and A2030 Eastern Road.	Sainsbury's Supermarket; B&M Store and Route for NCN 222.
Mead End Road	Denmead	Residential street.
Milk Road	Waterlooville	Distributor access road into MDA. Residential properties set back from highway.
Moorings Way to Furze Lane Bus Link	Between Moorings Way and Furze Lane.	Bus link and part of NCN route 222 via adjacent shared-use path.
Norway Road	Hilsea, Portsmouth	Distributor road - properties separated from the highway. However, there is a Lidl supermarket which can be considered a significant trip generator.
Park Lane	Cosham	Residential street.
Powerscourt Road	North End, Portsmouth	Residential street.
Rockville Drive	Waterlooville	Cluster of retail premises with some separation from the highway. Also, proximity to Waterlooville Town Centre.
Rectory Avenue	Cosham	Residential street.

Road	Road Description / Location	Justification for Medium Sensitive Receptors
Selbourne Terrace/Claremont Road/Walmer Road	Fratton, Portsmouth	Residential street.
Shaftesbury Avenue	Purbrook, Waterlooville	Residential street.
Shearer Road	Fratton, Portsmouth	Residential street.
Silvester Road	Between Milton Road and A3 London Road	Lidl supermarket and residential road
Soake Road	Anmore	Narrow road home providing access to some industrial units and a Builder's Merchant. Limited separation from the highway.
Station Road	Cosham	Residential properties set back from highway. Lack of significant trip generators.
Sultan Road	Portsmouth	Residential street.
Tangier Road	Between A288 Copnor Road and A2030 Eastern Road.	Portsmouth College and a Goals Soccer centre.
Torrington Road	Portsmouth	Residential street.
Victoria Avenue	Portsmouth	Properties set back from the highway.

1.3. ASSESSMENT OF ROADS CONTAINING SENSITIVE RECEPTORS WITH A LOW SENSITIVITY

Table 3 - Assessment of roads containing sensitive receptor with a low sensitivity

Road	Road Description / Location	Justification for Low Sensitive Receptors
A3 Portsmouth Road	Waterlooville / Lovedean	Residential street but with properties setback from the carriageway with screening
A288 Eastern Parade	Eastney, Portsmouth	Residential street. Southsea Green on the southern side of the carriageway is set back from the highway.
A288 Southsea Terrace	Southsea, Portsmouth	Residential street and park both set back from the carriageway.
B2149 Havant Road	Horndean	Residential street – lack of significant trip generators. Properties set back from highway.
B2149	South of B2149 Dell Piece east and north of Rowlands Golf Course	Rural – lack of significant trip generators but close to Forest of Bere.
B2177 Portsdown Hill Road	Portsdown Hill, Cosham	Residential / rural. Residential properties and Portsdown Hill Viewpoint Car Park set back from the highway.
Cunningham Road	Waterlooville	Residential street – lack of significant trip generators. Residential properties set back from the highway with adequate screening.

Road	Road Description / Location	Justification for Low Sensitive Receptors
Day Lane	Lovedean	Rural Road – lack of significant trip generators. Some residential properties but set back from the highway with considerable screening.
Ferndale	Waterlooville	Residential street – lack of significant trip generators. Properties set back from highway with adequate screening.
Furzeley Road	Denmead	Furzeley Golf Course is located on both side of the carriageway and requires crossing of the road. Some residential properties but set back from the carriageway.
Hill Road	Portchester	Portchester Railway Station (not a major interchange) and Portchester Fire Station.
Longwood Avenue	Waterlooville	Residential street – lack of significant trip generators. Properties set back from highway with adequate screening.
Morelands Road	Waterlooville	Residential street – lack of significant trip generators. Properties set back from highway.
Privett Road	Widely, Waterlooville	Residential street – lack of significant trip generators. Properties set back from highway.

Road	Road Description / Location	Justification for Low Sensitive Receptors
Southwick Road	Denmead	Residential street – set back from the carriageway with adequate screening.
Stratford Road	Waterlooville	Distributor road. Residential properties set back from highway with no direct access onto the road.
Sunnymead Drive	Waterlooville	Residential street – lack of significant trip generators. Properties set back from highway.
Victory Avenue	Horndean	Residential street – lack of significant trip generators. Properties set back from highway with adequate screening.

1.4. ASSESSMENT OF ROADS CONTAINING SENSITIVE RECEPTORS WITH A NEGLIGIBLE SENSITIVITY

Table 4 - Assessment of roads containing sensitive receptors with a negligible sensitivity

Road	Road Description / Location	Justification for Negligible Sensitive Receptors
A3(M)	East of Waterlooville	Dual carriageway motorway with limited access.
Apless Lane	Rural road south of Worlds End negligible	Rural road – lack of significant trip generators.

Road	Road Description / Location	Justification for Negligible Sensitive Receptors
Airport Service Road	Portsmouth	Industrial area with car dealerships set back from the carriageway.
B2150 Hulbert Road	Waterlooville	Residential properties set back from the highway. Distributor road type characteristics.
B2177 Portsdown Hill Road	Between A3 London Road and Farlington Avenue	Frequently used route by learner drivers / motorcyclists and access to Portsdown Hill viewpoint.
Bridge Street	Southwick	Rural Road – lack of significant trip generators.
Common Lane	North of Southwick	Rural Road – lack of significant trip generators.
Edney's Lane	Denmead	Rural Road – lack of significant trip generators.
Hinton Manor Lane	West of Clanfield	Rural road – lack of significant trip generators.
M275	Portsmouth	Dual carriageway motorway with limited access.
Newlands Lane	West of Waterlooville	Rural road – lack of significant trip generators.
Tipner Lane	Tipner, Portsmouth	Park & Ride access road only providing a link to Junction 1 of the M275.
Pigeon House Lane	West of Waterlooville	Rural road – lack of significant trip generators.

Road	Road Description / Location	Justification for Negligible Sensitive Receptors
Pitymoor Lane	West of Waterlooville	Rural road – lack of significant trip generators.
Portchester Lane	Northwest of Fort Southwick	Rural road – lack of significant trip generators.
Quartremaine Road	Portsmouth	Road serving industrial estate. No residential properties.
Rushmere Lane	North of Anthill Common	Rural road – lack of significant trip generators.
Sheepwash Lane	South of Denmead	Rural road – lack of significant trip generators.
Skew Road	Between Portsdown Hill Road and M27, west of Cosham	Rural road – lack of significant trip generators.
Unnamed Road between Kidmore Lane and Edney's Lane	North of Denmead	Rural road – lack of significant trip generators.
Widley Walk	West of Waterlooville	Rural Road – lack of significant trip generators.
Williams Road	Portsmouth	Road serving industrial estate. No residential properties.

