



**AQUIND Limited**

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

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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
<b>A2030 Winston Churchill Avenue / Victoria Road North / Goldsmith Avenue</b>	Between A3 Anglesea Road and A288 Milton Road	International College Portsmouth; Portsmouth Law Courts; Somerstown Community Centre; ARK Ayrton 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.
<b>A2047 London Road / A2047 Kingston Road/ A2047 Fratton Road Corridor</b>	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.
<b>A288 Copnor Road / A288 Baffins Road / A288 Milton Road Corridor</b>	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 Fratton Park (Home of Portsmouth City Football Club) / the Pompey Centre retail park.
<b>A288 Eastney Road</b>	Between A2030 Goldsmith Avenue and Bransbury Road.	Mary Rose Academy; Milton Park Primary School; and Eastney Community Centre.
<b>A3 Northern Parade / A3 Twyford Avenue / A3 Stamshaw Road Corridor</b>	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.
<b>A3 Southampton Road</b>	Between the M27 Junction 12 spur and Spur Road Roundabout.	Queen Alexandra Hospital.
<b>B2152 Lake Road</b>	Between A2030 Holbrook Road and A2047 Fratton Road.	ARK Dickens Primary Academy and Lake Road practice.
<b>Battenburg Avenue</b>	Hillsea, Portsmouth	Willows Centre and Cliffdale Primary School
<b>Crookhorn Lane</b>	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.
<b>College Road</b>	Between Purbrook Way and Crookhorn Lane	Havant and South Downs College – South Downs Campus
<b>Dundas Lane</b>	Portsmouth	Admiral Lord Nelson School and Ocean Retail Park.
<b>Elizabeth Road / Woodlands Grove / Westbrook Grove</b>	Between Stakes Hill Road and Ladybridge Road	Purbrook Infant School and Purbrook Junior School.
<b>Eagle Avenue</b>	Wecock Farm, Waterlooville	Rachel Maddoxs School, Acorn Community Centre and residential properties.

Road	Road Description / Location	Justification for High Sensitive Receptors
<b>Eveleigh Road</b>	Between Farlington Avenue and Gillman Road.	Solent Infant School.
<b>Farlington Avenue</b>	Between Burnham Road and A2030 Havant Road	Proximity to Solent Infant and Junior Schools.
<b>Furze Lane</b>	Between Moorings Way to Furze Lane Bus Link and Locksway Road.	University of Portsmouth Langstone Sports Site) and NCN 222 (off-road).
<b>Gladys Avenue</b>	Between A3 Northern Parade and A2047 London Road.	Corpus Christi RC Primary School.
<b>Grove Road</b>	Between Lower Drayton Lane and A2030 Eastern Road.	Route for NCN 22, Springfield School and Mountbatten Business Park.
<b>Grove Road South</b>	Between B2154 Elm Grove and Marmion Road Portsmouth	St John's College Junior School
<b>Hart Plain Avenue</b>	Between Milton Road and A3 London Road	Cowplain Community School; Hart Plain Infant School; and Hart Plain Junior School
<b>Havant Road / A2030 Havant Road</b>	Between Farlington Avenue and A2030 Eastern Road	Proximity to Solent Infant and Junior Schools.
<b>Kent Road</b>	Southsea, Portsmouth	Portsmouth High School GDST
<b>Lovedean Lane</b>	Between Day Lane and A3 Portsmouth Road.	Tesco Express and Woodcroft Primary School.
<b>Lyndhurst Road</b>	Portsmouth	Lyndhurst Junior School and College Park Infant School
<b>Medina Road / Cow Lane / Northharbour Road</b>	Cosham	Medina Primary School, Jubilee House Care Home and residential properties.
<b>Middle Street</b>	Portsmouth City Centre	Portsmouth University
<b>Mill Road</b>	Between A3 London Road and Elizabeth Road.	Mill Hill Primary School.
<b>Milton Road</b>	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.
<b>Moorings Way</b>	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.
<b>New Road</b>	Between A2047 Kingston Road and A288 Copnor Road.	Newbridge Junior School.
<b>Park Avenue</b>	Between A3 London Road and Stakes Road	Purbrook Park School

Road	Road Description / Location	Justification for High Sensitive Receptors
<b>Purbrook Heath Road</b>	Between Newlands Lane and A3 London Road	Rowans Hospice and Woodside Nursery School.
<b>Purbrook Way</b>	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.
<b>Solent Road</b>	Between Drayton Lane and Farlington Avenue.	Solent Junior School
<b>Stakes Road</b>	Widley, Waterlooville	Latham Lodge Care Home, and residential properties near the carriageway.
<b>Stakes Hill Road</b>	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.
<b>St Mary's Road</b>	Between A2047 Fratton Road and A288 Milton Road.	The Portsmouth Academy.
<b>Stubbington Avenue</b>	Between A2047 London Road and A288 Copnor Road.	Good Manors Day Nursery; College Park Infant School; and Lyndhurst Junior School.
<b>The Dale / Fir Copse Road</b>	Between A3 London Road and Stakes Road	Purbrook Park School
<b>Victoria Grove</b>	Southsea Portsmouth	Home of Comfort Charitable Nursing Home. Otherwise no other significant trip generators.
<b>Warfield Avenue</b>	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
<b>A2030 Eastern Road</b>	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.
<b>A2030 Eastern Road</b>	Zetland Field and Sainsbury's Car Park	Strategic route into Portsmouth; bus route; access to retail premises; shared pedestrian/cyclist path
<b>A2030 Havant Road</b>	Between A2030 Eastern Road and A3(M) Junction 5.	Route for NCN 222.
<b>A2030 Velder Avenue</b>	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.
<b>A3 London Road</b>	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.
<b>A3 Maurepas Way</b>	Between B2150 Hambledon Road and A3 London Road	Asda Supermarket, Waterloo Fire Station, GP surgery and pedestrian links to Waterloo town centre from MDA.
<b>A3 Mile End Road / A3 Commercial Road / A3 Hope Street / A3 Marketway / A3 Alfred Road / A3 Anglesea Road Corridor</b>	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.
<b>A397 Northern Road</b>	Between Spur Road roundabout and Portsbridge roundabout.	Cosham Interchange (bus stands) and route for NCN 22.
<b>Angerstein Road</b>	North End, Portsmouth	Residential street.
<b>Anmore Road</b>	Denmead	Residential street.
<b>Anchorage Road</b>	Between Norway Road and the A2030 Eastern Road.	Morrisons Supermarket.
<b>Aylesbury Road/Queen's Road/Paulsgrove Road</b>	Fratton, Portsmouth	Residential street.
<b>Brading Avenue</b>	Southsea, Portsmouth	Residential street.



Road	Road Description / Location	Justification for Medium Sensitive Receptors
<b>Broadway Lane</b>	Lovedean (Convertor Station Area)	B&B Business, residential properties close to the carriageway.
<b>B2177 Southwick Road</b>	Between Crooked Walk Lane and Pitymoor Lane	Rural with on-road cycle lanes
<b>B2149 Dell Piece West</b>	Between A3 Portsmouth Road and A3(M)	Morrisons supermarket
<b>B2150 Hambledon Road</b>	North of Soake Road	Residential properties close to the carriageway
<b>B2150 Hambledon Road</b>	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.
<b>Cardiff Road</b>	North End, Portsmouth	Residential street.
<b>Cherry Tree Avenue</b>	Cowplain, Waterlooville	Residential street.
<b>Closewood Road</b>	Denmead	Rural Road – lack of significant trip generators.
<b>Eastney Esplanade</b>	Southsea, Portsmouth	Southsea Green and beachfront and parks set back from the highway.
<b>Ebery Grove</b>	Milton, Portsmouth	Residential street.
<b>Eldon Street / Norfolk Street</b>	Southsea, Portsmouth	Residential street.
<b>Frendstaple Road</b>	Waterlooville	Residential properties; businesses; bus route
<b>Gillman Road</b>	Between B2177 Portsdown Hill Road and A2030 Havant Road.	Route for NCN 222
<b>Guildford Road</b>	Fratton, Portsmouth	Residential Street. Traffic calming at the junction with Manchester Street prohibits vehicular through access creating a circuitous detour away from Guildford Road.
<b>Haselmere Road</b>	Eastney, Portsmouth	Residential street.
<b>Hayling Avenue</b>	Milton, Portsmouth	Residential street.
<b>Henderson Road</b>	Eastney	Residential Street. Properties and community facilities (Eastney Swimming Pool / Cockleshell Naval Community Centre) set back from the highway.
<b>Hurstville Drive</b>	Waterlooville	Residential street.
<b>Jubilee Road</b>	Eastney, Portsmouth	Residential street.

Road	Road Description / Location	Justification for Medium Sensitive Receptors
<b>Kingsley Road</b>	Eastney, Portsmouth	Residential street
<b>Langley Road / Queen's Road / Pink Road</b>	Fratton, Portsmouth	Residential street.
<b>Locksway Road</b>	Eastney, Portsmouth	Residential street and bus route
<b>Longshore Way</b>	Eastney, Portsmouth	Residential street
<b>Lower Drayton Lane</b>	Between Havant Road and Grove Road.	Route for NCN 222.
<b>Lower Farlington Road / Fitzherbert Road</b>	Between A2030 Havant Road and A2030 Eastern Road.	Sainsbury's Supermarket; B&M Store and Route for NCN 222.
<b>Mead End Road</b>	Denmead	Residential street.
<b>Milk Road</b>	Waterlooville	Distributor access road into MDA. Residential properties set back from highway.
<b>Moorings Way to Furze Lane Bus Link</b>	Between Moorings Way and Furze Lane.	Bus link and part of NCN route 222 via adjacent shared-use path.
<b>Norway Road</b>	Hilsea, Portsmouth	Distributor road - properties separated from the highway. However, there is a Lidl supermarket which can be considered a significant trip generator.
<b>Park Lane</b>	Cosham	Residential street.
<b>Powerscourt Road</b>	North End, Portsmouth	Residential street.
<b>Rockville Drive</b>	Waterlooville	Cluster of retail premises with some separation from the highway. Also, proximity to Waterlooville Town Centre.
<b>Rectory Avenue</b>	Cosham	Residential street.
<b>Selbourne Terrace/Claremont Road/Walmer Road</b>	Fratton, Portsmouth	Residential street.
<b>Shaftesbury Avenue</b>	Purbrook, Waterlooville	Residential street.
<b>Shearer Road</b>	Fratton, Portsmouth	Residential street.
<b>Silvester Road</b>	Between Milton Road and A3 London Road	Lidl supermarket and residential road

Road	Road Description / Location	Justification for Medium Sensitive Receptors
<b>Soake Road</b>	Anmore	Narrow road home providing access to some industrial units and a Builder's Merchant. Limited separation from the highway.
<b>Station Road</b>	Cosham	Residential properties set back from highway. Lack of significant trip generators.
<b>Sultan Road</b>	Portsmouth	Residential street.
<b>Tangier Road</b>	Between A288 Copnor Road and A2030 Eastern Road.	Portsmouth College and a Goals Soccer centre.
<b>Torrington Road</b>	Portsmouth	Residential street.
<b>Victoria Avenue</b>	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
<b>A3 Portsmouth Road</b>	Waterlooville / Lovedean	Residential street but with properties setback from the carriageway with screening
<b>A288 Eastern Parade</b>	Eastney, Portsmouth	Residential street. Southsea Green on the southern side of the carriageway is set back from the highway.
<b>A288 Southsea Terrace</b>	Southsea, Portsmouth	Residential street and park both set back from the carriageway.
<b>B2149 Havant Road</b>	Horndean	Residential street – lack of significant trip generators. Properties set back from highway.
<b>B2149</b>	South of B2149 Dell Piece east and north of Rowlands Golf Course	Rural – lack of significant trip generators but close to Forest of Bere.
<b>B2177 Portsdown Hill Road</b>	Portsdown Hill, Cosham	Residential / rural. Residential properties and Portsdown Hill Viewpoint Car Park set back from the highway.
<b>B2177 Portsdown Hill Road</b>	Between A3 London Road and Farlington Avenue	Frequently used route by learner drivers / motorcyclists and access to Portsdown Hill viewpoint.
<b>Cunningham Road</b>	Waterlooville	Residential street – lack of significant trip generators. Residential properties set back from the highway with adequate screening.
<b>Day Lane</b>	Lovedean	Rural Road – lack of significant trip generators. Some residential properties but set back from the highway with considerable screening.
<b>Ferndale</b>	Waterlooville	Residential street – lack of significant trip generators. Properties set back from highway with adequate screening.
<b>Furzeley Road</b>	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.
<b>Hill Road</b>	Portchester	Portchester Railway Station (not a major interchange) and Portchester Fire Station.
<b>Longwood Avenue</b>	Waterlooville	Residential street – lack of significant trip generators. Properties set back from highway with adequate screening.
<b>Morelands Road</b>	Waterlooville	Residential street – lack of significant trip generators. Properties set back from highway.
<b>Privett Road</b>	Widely, Waterlooville	Residential street – lack of significant trip generators. Properties set back from highway.
<b>Southwick Road</b>	Denmead	Residential street – set back from the carriageway with adequate screening.
<b>Stratford Road</b>	Waterlooville	Distributor road. Residential properties set back from highway with no direct access onto the road.

Road	Road Description / Location	Justification for Low Sensitive Receptors
<b>Sunnymead Drive</b>	Waterlooville	Residential street – lack of significant trip generators. Properties set back from highway.
<b>Victory Avenue</b>	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
<b>A3(M)</b>	East of Waterlooville	Dual carriageway motorway with limited access.
<b>Apless Lane</b>	Rural road south of Worlds End negligible	Rural road – lack of significant trip generators.
<b>Airport Service Road</b>	Portsmouth	Industrial area with car dealerships set back from the carriageway.
<b>B2150 Hulbert Road</b>	Waterlooville	Residential properties set back from the highway. Distributor road type characteristics.
<b>Bridge Street</b>	Southwick	Rural Road – lack of significant trip generators.
<b>Common Lane</b>	North of Southwick	Rural Road – lack of significant trip generators.
<b>Edney's Lane</b>	Denmead	Rural Road – lack of significant trip generators.
<b>Hinton Manor Lane</b>	West of Clanfield	Rural road – lack of significant trip generators.
<b>M275</b>	Portsmouth	Dual carriageway motorway with limited access.
<b>Newlands Lane</b>	West of Waterlooville	Rural road – lack of significant trip generators.
<b>Tipner Lane</b>	Tipner, Portsmouth	Park & Ride access road only providing a link to Junction 1 of the M275.
<b>Pigeon House Lane</b>	West of Waterlooville	Rural road – lack of significant trip generators.
<b>Pitymoor Lane</b>	West of Waterlooville	Rural road – lack of significant trip generators.
<b>Portchester Lane</b>	Northwest of Fort Southwick	Rural road – lack of significant trip generators.
<b>Quartremaine Road</b>	Portsmouth	Road serving industrial estate. No residential properties.
<b>Rushmere Lane</b>	North of Anthill Common	Rural road – lack of significant trip generators.
<b>Sheepwash Lane</b>	South of Denmead	Rural road – lack of significant trip generators.
<b>Skew Road</b>	Between Portsdown Hill Road and M27, west of Cosham	Rural road – lack of significant trip generators.
<b>Unnamed Road between Kidmore Lane and Edney's Lane</b>	North of Denmead	Rural road – lack of significant trip generators.

Road	Road Description / Location	Justification for Negligible Sensitive Receptors
<b>Widley Walk</b>	West of Waterlooville	Rural Road – lack of significant trip generators.
<b>Williams Road</b>	Portsmouth	Road serving industrial estate. No residential properties.

