



AQUIND Limited

APPENDIX 21.1

Baseline and Methodology Tables

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1 CABLE CORRIDOR TRAFFIC MANAGEMENT REQUIREMENTS

Link	Link Description	Traffic Management Requirement
Section 1 – Lovedean		
1.1	Broadway Lane – north of the existing substation access junction	No cable installation
1.2	Broadway Lane – between Day Lane and Anmore Lane	Road closure – approximately 1 day
1.3	Day Lane	No cable installation
1.4	Lovedean Lane – between Day Lane and A3 Portsmouth Road	No cable installation
1.5	Lovedean Lane, Downhouse Road and South Lane – between Day Lane and Chalton Lane	No cable installation
1.6	Charlton Lane between South Lane and A3	No cable installation
1.7	A3 Portsmouth Road - between the B2149 Dell Piece West and Lovedean Lane	No cable installation
1.8	B2149 Dell Piece West - between A3 (M) Junction 2, and A3 Portsmouth Road	No cable installation
1.9	A3 - north of junction with Charlton Lane	No cable installation
1.10	A3 (M) - south of Junction 2	No cable installation
Section 2 – Anmore		
2.1	Anmore Lane – between Soake Road and Broadway Lane	No cable installation
Section 3 – Denmead / Kings Pond Meadows		
3.1	Anmore Road – between Edney’s Lane and Soake Road	Road closure – 1-2 days for option 3a, 4-8 days for 3b and 17-34 days for 3c
3.2	Martin Avenue	Road closure – approximately 10 days
3.3	Mill Road	Road closure – approximately 19 days
3.4	B2150 Hambledon Road – between Anmore Road and Forest Road	Single lane closure with shuttle working traffic signals
3.5	B2150 Hambledon Road – between Forest Road and Soake Road	Single lane closure with shuttle working traffic signals
3.6	Soake Road – between B2150 Hambledon Road and Anmore Road	No cable installation
3.7	Anmore Road – between the B2150 Hambledon Road and Edney’s Lane	Road closure – approximately 13 days

Section 4 – Hambledon Road to Burnham Road		
4.1	B2150 Hambledon Road – between Soake Road and Milton Road.	Single lane closure with shuttle working traffic signals
4.2	B2150 Hambledon Road -between Milton Road and A3 Maurepas Way	Single lane closure
4.3	A3 Maurepas Way – between B2150 Hambledon Road and A3 London Road	Single lane closure
4.4	Forest End cul-de-sac	Road closure – approximately 9 working days, 3 of which will restrict access from A3 London Road
4.5	A3 London Road – between A3 Maurepas Way and Ladybridge Road	Single lane closure (bus lane) / single lane closure with shuttle working traffic signals / 1 day road closure
4.6	A3 London Road - between Ladybridge Road and B2177 Portsdown Hill Road	Single lane closure (bus lane) / single lane closure with shuttle working traffic signals / road closure
4.7	Boundary Way Slip Road – between A3 London Road and B2177 Portsdown Hill Road	Single lane closure with shuttle working traffic signals
4.8	London Road Slip Road – between A3 London Road and B2177 Portsdown Hill Road	Single lane closure with shuttle working traffic signals
4.9	B2177 Portsdown Hill Road – between A3 London Road and Farlington Avenue	Single lane closure with shuttle working traffic signals
4.10	Farlington Avenue – between B2177 Portsdown Hill Road and Burnham Road	Single lane closure with shuttle working traffic signals
Section 5 – Farlington		
5.1	Farlington Avenue – between Burnham Road and Havant Road	Single lane closure with shuttle working traffic signals / road closure for 8-16 days
5.2	Havant Road / A2030 Havant Road – between Farlington Avenue and Waterworks Road	Single lane closure / road closure for approximately 1 / 2 days
5.3	A2030 Eastern Road – between Havant Road and the northern boundary of Zetland Field	Single lane closure
5.4	Burnham Road and Ainsdale Road cul-de-sac	Road closure – approximately 12-24 days – access to be maintained via Birkdale Avenue for first 4-8 days.
5.5	Blake Road cul-de-sac	Road closure – approximately 6-12 days
5.6	Eveleigh Road – between Farlington Avenue and Galt Road	Road closure – approximately 8-16 days – access maintained from either Farlington Avenue or Galt Road depending upon location of works.
5.7	B2177 Portsdown Hill Road between Farlington Avenue and Farlington Water Works	Single lane closure with shuttle working traffic signals / road closure for up to 60 days
Section 6 – Zetland Field & Sainsbury’s Car Park		
6.1	A2030 Eastern Road – between northern boundary of Zetland Field and Fitzherbert Road	Single lane closure
6.2	A2030 Eastern Road – between Fitzherbert Road and access junction to Farlington Playing Fields	No cable installation

6.3	Fitzherbert Road – between A2030 Eastern Road and Sainsbury's / B&M Access Road	Lane closure between A2030 eastern Road and Sainsburys Access Road via night works with each carriageway done separately over consecutive nights.
Section 7 – Farlington Junction to Airport Service Road		
7.1	A2030 Eastern Road – between access junction to Farlington Playing Fields and A27 Havant Bypass	No cable installation
7.2	A2030 Eastern Road – between A27 Havant Bypass and Anchorage Road	Single lane closure
7.3	A2030 Eastern Road – between Anchorage Road and Airport Service Road	Single lane closure
Section 8 – Great Salterns Golf Course to Velder Avenue / Moorings Way		
8.1	A2030 Eastern Road – between Airport Service Road and Burrfields Road	Single lane closure
8.2	A2030 Eastern Road – between Burrfields Road and Tangier Road	Single lane closure
8.3	A2030 Eastern Road – between Tangier Road and A2030 Velder Avenue	Single lane closure
8.4	A2030 Velder Avenue – between A2030 Eastern Road and A288 Milton Road	Single lane closure
8.5	Moorings Way – entire road up to Sanderling Road	Single lane closure with shuttle working traffic signals
8.6	East Shore Way / Shore Avenue cul-de-sacs	Road closure – approximately 7 days for East Shore Way and 10 days for Shore Avenue
8.7	Eastern Avenue – between A2030 Eastern Road and Moorings Way	Road closure – approximately 11 days – access maintained via either end point and Salterns Avenue.
8.8	Salterns Avenue	Road closure – approximately 7 days for northern section and 8 days for southern section
Section 9 – Velder Avenue / Milton Road or Milton Common to Bransbury Road		
9.1	A288 Milton Road / A288 Eastney Road – between A2030 Velder Avenue and Bransbury Road	Single lane closure
9.2	Bransbury Road – between A288 Milton Road and Henderson Road	Single lane closure with shuttle working traffic signals
9.3	Moorings Way to Furze Lane Bus Link	Road closure – approximately 19-38 days – no premises gain access from this link
9.4	Furze Lane – between Bus Link and Locksway Road	Single lane closure with shuttle working traffic signals
9.5	Locksway Road / Longshore Way between Ironbridge Lane and the southern boundary of the sports pitches east of the Thatched House Public House	Single lane closure with shuttle working traffic signals/ road closure on Longshore Way for 4-8 days
9.6	Waterlock Gardens / Seaview Crescent cul-de-sac	Road closure – approximately 5 working days
9.7	Meryl Road cul-de-sac	Road closure – approximately 3 working days

9.8	Ironbridge Lane – between Locksway Road and Kingsley Road	Road closure for 8 to 15 days depending on option
9.9	Redlands Grove Cul-de-sac (off Ironbridge Lane) and Tideway Gardens – between Redlands Grove and Kingsley Road	Road closure – approximately eight days – access to be maintained via Ironbridge Lane or Kingsley Road. Temporary access to be provided during construction on request along cul-de-sac.
9.10	Kingsley Road – between Ironbridge Lane and Yeo Court	Road closure – approximately 1-7 days– access to be maintained via A288 Milton Road, Tranmere Road, Shirley Avenue or Ironbridge Lane. Temporary access along cul-de-sac to be provided on request during construction.
9.11	Yeo Court cul-de-sac	Road closure – approximately 2 working days
Section 10 - Landfall		
10.1	Henderson Road – between Bransbury Road and Fort Cumberland Road	Single lane closure with shuttle working traffic signals
10.2	Fort Cumberland Road – between Henderson Road and Fraser Range Access Road	Single lane closure with shuttle working traffic signals

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EFFECTS OF PROPOSED JOINTING BAYS

Link	Link Description	Jointing Bay(s) ID and Location	Potential Impact	Assessment Required?
1.1	Broadway Lane – north of the existing substation access junction	N/A	N/A	N/A
1.2	Broadway Lane – between Day Lane and Anmore Lane	N/A	N/A	N/A
1.3	Day Lane	N/A	N/A	N/A
1.4	Lovedean Lane – between Day Lane and A3 Portsmouth Road	N/A	N/A	N/A
1.5	Lovedean Lane, Downhouse Road and South Lane – between Day Lane and Chalton Lane	N/A	N/A	N/A
1.6	Charlton Lane – between South Lane and the A3	N/A	N/A	N/A
1.7	A3 Portsmouth Road – between the B2149 Dell Piece West and Lovedean Lane	N/A	N/A	N/A
1.8	B2149 Dell Piece West - between A3 (M) Junction 2, and A3 Portsmouth Road	N/A	N/A	N/A
1.9	A3 - north of junction with Charlton Lane	N/A	N/A	N/A
1.10	A3 (M) - south of Junction 2	N/A	N/A	N/A
2.1	Anmore Lane - between Soake Road and Broadway Lane	JB47 – Agricultural land just north of the village of Anmore.	Access only.	No – highway not affected.
3.1	Amore Road – between Edney’s Lane and Soake Road	JB47 – Agricultural land just north of the village of Anmore.	Access only.	No – highway not affected.
3.2	Martin Avenue	N/A	N/A	N/A
3.3	Mill Road	N/A	N/A	N/A
3.4	B2150 Hambledon Road – between Anmore Road and Forest Road	N/A	N/A	N/A

3.5	B2150 Hambledon Road – between Forest Road and Soake Road	JB46 – Agricultural land to the north of the B2150 Hambledon Road.	Access only.	No – highway not affected.
3.6	Soake Road – between B2150 Hambledon Road and Anmore Road / Anmore Lane	N/A	N/A	N/A
3.7	Anmore Road – between the B2150 Hambledon Road and Edney’s Lane	JB49 – Agricultural land to the north.	Access only.	N/A
4.1	B2150 Hambledon Road – between Soake Road and Milton Road.	JB44 – car park at the end of Southdown View opposite the junction with Auger Row. JB43 - verge space on the south west corner of the junction with Auger Row. JB41 – verge space next to the BP Petrol Station.	JB44 – temporary closure of car park and diversion of adjacent shared-use path. JB43 – temporary closure and diversion of adjacent footway. Also, temporary lane closure on B2150 Hambledon Road and Auger Row when ‘delivery areas’ are in use. JB41 – temporary closure and relocation of bus stop.	JB44, JB43 and JB41 Yes – highway affected.
4.2	B2150 Hambledon Road -between Milton Road and A3 Maurepas Way	JB40 – verge space between B2150 Hambledon Road and parallel service road (Hambledon Road) south-east of roundabout with Milton Road	Lane closure or full closure of service road when ‘delivery areas’ are in use	Yes – highway affected.
4.3	A3 Maurepas Way – between B2150 Hambledon Road and A3 London Road	JB38 – verge space on the south-western corner of the roundabout with B2150 Hambledon Road. JB37 – ASDA Waterlooville car park.	JB38 – minimal incursion into shared-use path for deliveries. JB37 – temporary closure of the south-western corner of the car park, with further temporary diversion of pedestrian route when ‘delivery areas’ are in use.	JB38 and JB37 No – highway not affected.
4.4	Forest End cul-de-sac	N/A	N/A	N/A
4.5	A3 London Road – between A3 Maurepas Way and Ladybridge Road	JB36 – greenspace south of Windrush Gardens / Bridleway 15. JB34 – verge space between A3 London Road and Cambell Crescent JB33 - forecourt of the Motorvise car dealership;	JB36 – temporary footway / lane closures required when ‘delivery areas’ are in use. JB34 – lane closures when ‘delivery areas’ are in use and temporary footway closure on the eastern side of London Road. JB33 - temporary diversion of the footway when ‘delivery areas’ are in use.	JB36, JB34 and JB33 Yes – highway affected.
4.6	A3 London Road - between Ladybridge Road and B2177 Portsdown Hill Road	JB29 – In the footway on the eastern side of the carriageway north of the junction with Bushy Mead.	JB29 – Footway and lane closure. JB28 – Footway and lane closure with need for road closure when ‘delivery areas’ are in use. JB27 – Limited.	JB29, JB28 and JB26 Yes – highway affected. JB27 No – highway not affected.

		<p>JB28 – In the footway on the eastern side of the carriageway south of the junction with Bushy Mead.</p> <p>JB27 – Hampshire Rose Public House car park.</p> <p>JB26 – parking area and service road for the row of shops south of Lansdowne Avenue.</p>	JB26 – Footway and Lane Closure.	
4.7	Boundary Way Slip Road – between A3 London Road and B2177 Portsdown Hill Road	N/A	N/A	N/A
4.8	London Road Slip Road – between A3 London Road and B2177 Portsdown Hill Road	N/A	N/A	N/A
4.9	B2177 Portsdown Hill Road – between A3 London Road and Farlington Avenue	JB25 - west of the existing car park to the south of the B2177 Portsdown Hill Road.	Access only via existing car park entrance.	No – highway not affected.
4.10	Farlington Avenue – between B2177 Portsdown Hill Road and Burnham Road	N/A	N/A	N/A
5.1	Farlington Avenue – between Burnham Road and Havant Road	JB24 – located across the carriageway in the vicinity of Moortown Avenue.	Temporary road closure required when ‘delivery areas’ are in use. Otherwise a lane / footway closure is required on the western side of the carriageway.	Yes – highway affected.
5.2	Havant Road / A2030 Havant Road – between Farlington Avenue and Waterworks Road	N/A	N/A	N/A
5.3	A2030 Eastern Road – between Havant Road and northern boundary of Zetland Field	JB21 – Northern corner of Zetland Field.	Access only.	No – highway not affected.
5.4	Burnham Road and Ainsdale Road cul-de-sac	N/A	N/A	N/A
5.5	Blake Road cul-de-sac	N/A	N/A	N/A
5.6	Eveleigh Road – between Farlington Avenue and Galt Road	<p>JB23 – In the park north of Solent Infant School.</p> <p>JB22 – In the strip of greenspace between Eveleigh Road and Havant Road, near to Solent Infant School.</p>	JB23 and JB22 – Access only.	No – highway not affected.

5.7	B2177 Portsdown Hill Road between Farlington Avenue and Farlington Water Works	N/A	N/A	N/A
6.1	A2030 Eastern Road – between northern boundary of Zetland Field and Fitzherbert Road	JB21 – In northern part of Zetland Field	Access only.	N/A
6.2	A2030 Eastern Road – between Fitzherbert Road and access junction to Farlington Playing Fields	JB20 – Sainsbury’s supermarket car park.	Access only.	No – highway not affected.
6.3	Fitzherbert Road – between A2030 Eastern Road and Sainsbury’s / B&M Access Road	N/A	N/A	N/A
7.1	A2030 Eastern Road – between access junction to Farlington Playing Fields and A27 Bypass	JB19 – Farlington Playing Fields.	Access only.	No – highway not affected.
7.2	A2030 Eastern Road – between A27 Havant Bypass and Anchorage Road	N/A	N/A	N/A
7.3	A2030 Eastern Road – between Anchorage Road and Airport Service Road	N/A	N/A	N/A
8.1	A2030 Eastern Road – between Airport Service Road and Burrfields Road	JB16 – South-eastern corner of Golf Course, bordering the northern side of Burrfields Road.	Temporary closure of pedestrian access to Golf Course, vehicular access to be gained from Burrfield Road.	No – highway not affected.
8.2	A2030 Eastern Road – between Burrfields Road and Tangier Road	JB15 – verge space to the immediate south of The Great Salterns Mansion Harvester Car Park. JB14 – verge space to the immediate south of Langstone Harbour Viewing Car Park.	Both to gain access from existing junctions.	JB15 and JB14 No – highway not affected.
8.3	A2030 Eastern Road – between Tangier Road and A2030 Velder Avenue	JB13 – northernmost edge of Milton Common. JB6 – residential service road parallel to western side of carriageway near to junction with Eastern Avenue. JB5 – residential service road parallel to eastern side of carriageway near to Good Companion Public House.	JB13 – Access only. JB6 and JB5 – Lane closure when ‘delivery areas’ are in use. Temporary closure of service road and shared-use path.	JB13 No – highway not affected. JB6 and JB5 Yes – highway affected.
8.4	A2030 Velder Avenue – between A2030 Eastern Road and A288 Milton Road	N/A	N/A	N/A

8.5	Moorings Way – entire road up to Sanderling Road	JB12 – southernmost corner of Milton Common opposite Sanderling Road and the start of the Bus Link.	Access only.	No – highway not affected.
8.6	East Shore Way / Salterns Avenue cul-de-sac	N/A	N/A	N/A
8.7	Eastern Avenue – between A2030 Eastern Road and Moorings Way	N/A	N/A	N/A
8.8	Salterns Avenue	N/A	N/A	N/A
9.1	A288 Milton Road / A288 Eastney Road – between A2030 Velder Avenue and Bransbury Road	JB4 – southernmost corner of Milton Park.	Access only.	No – highway not affected.
9.2	Bransbury Road – between A288 Milton Road and Henderson Road	JB3 – southern section of Bransbury Park.	Access only.	No – highway not affected.
9.3	Moorings Way to Furze Lane Bus Link	N/A	N/A	N/A
9.4	Furze Lane – between Bus Link and Locksway Road	N/A	N/A	N/A
9.5	Locksway Road / Longshore Way between Ironbridge Lane and the southern boundary of the sports pitches east of the Thatched House Public House	JB11 – greenspace bordering Broom Close and the University of Portsmouth Langstone Campus. JB10 – Thatched House Public House car park. JB9 – south-eastern corner of University of Portsmouth Sports Site. JB8 – south-western corner of University of Portsmouth Sports Site.	JB11 – Access only. JB10 – Access only. JB9 – Access only. JB8 – Access only.	JB11, JB10, JB9 and JB8 No – highway not affected.
9.6	Waterlock Gardens / Seaview Crescent cul-de-sac	N/A	N/A	N/A
9.7	Meryl Road cul-de-sac	N/A	N/A	N/A
9.8	Ironbridge Lane – between Locksway Road and Kingsley Road	N/A	N/A	N/A
9.9	Redlands Grove (off Ironbridge Lane) and Tideway Gardens – between Redlands Grove and Kingsley Road	N/A	N/A	N/A

9.10	Kingsley Road between Ironbridge Lane and Yeo Court	JB7 – area of greenspace between Kingsley Road and the allotments.	Access only.	No – highway not affected.
9.11	Yeo Court cul-de-sac	N/A	N/A	N/A
10.1	Henderson Road – between Bransbury Road and Fort Cumberland Road	JB2 – Bransbury Park car park to the north of the junction with Bransbury Road / Henderson Road	Access only, temporary closure of car park and footpath in Bransbury Park	No – highway not affected.
10.2	Fort Cumberland Road – between Henderson Road and Fraser Range Access Road	JB1 – car park south of Fort Cumberland Road bordering the access road into Fraser Range.	Access only, temporary closure of car park.	No – highway not affected.

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BASELINE TRAFFIC FLOWS

Section	Link ID	Link	AM Peak		PM Peak		24hr AADT	
			Total Vehicles	HGV%	Total Vehicles	HGV%	Total Vehicles	HGV%
Section 1	1.1	Broadway Lane – north of the existing substation access junction	Data not available					
	1.2	Broadway Lane – between Day Lane and Anmore Lane*	240	8.3%	195	8.8%	1875	7.9%
	1.3	Day Lane	240	8.3%	195	8.8%	1875	7.9%
	1.4	Lovedean Lane – between Day Lane and A3 Portsmouth Road*	547	8.0%	620	5.7%	6994	6.7%
	1.5	Lovedean Lane, Downhouse Road and South Lane – between Day Lane and Chalton Lane	446	7.4%	436	6.0%	4216	6.7%
	1.6	Charlton Lane between South Lane and A3	680	7.8%	765	5.3%	7196	6.9%
	1.7	A3 Portsmouth Road - between the B2149 Dell Piece West and Lovedean Lane	1114	7.6%	1433	5.2%	16067	6.6%
	1.8	B2149 Dell Piece West - between A3 (M) Junction 2, and A3 Portsmouth Road	1686	7.9%	1825	4.7%	20523	6.8%
	1.9	A3 - north of junction with Charlton Lane****	5066	6.66%	5716	6.66%	65734	5.50%
	1.10	A3 (M) - south of Junction 2****	5093	7.2%	5750	7.2%	67631	6.1%
Section 2	2.1	Anmore Lane / Anmore Road – between Broadway Lane - and Edney's Lane	212	5.3%	181	6.8%	1727	6.4%
Section 3	3.1	Anmore Road – between Edney's Lane and Soake Road	212	5.3%	181	6.8%	1727	6.4%
	3.2	Martin Avenue	45	4.4%	39	10.2%	397	8.3%
	3.3	Mill Road	145	6.4%	159	6.8%	1537	

	3.4	B2150 Hambledon Road – between Anmore Road and Forest Road	875	6.9%	907	5.9%	10000	6.7%
	3.5	B2150 Hambledon Road – between Forest Road and Soake Road	1400	9.0%	1475	6.3%	16397	8.2%
	3.6	Soake Road – between B2150 Hambledon Road and Anmore Road	Data not available					
	3.7	Anmore Road – between the B2150 Hambledon Road and Edney's Lane	212	5.3%	181	6.8%	1727	6.4%
	4.1	B2150 Hambledon Road – between Soake Road and Milton Road*	1329	8.8%	1545	5.4%	17455	7.2%
	4.2	B2150 Hambledon Road -between Milton Road and A3 Maurepas Way	2452	9.4%	2672	8.6%	32693	8.4%
	4.3	A3 Maurepas Way – between B2150 Hambledon Road and A3 London Road	1566	8.8%	1914	6.6%	20675	7.1%
Section 4	4.4	Forest End cul-de-sac	Data not available					
	4.5	A3 London Road – between A3 Maurepas Way and Ladybridge Road	1519	8.4%	1607	5.9%	17761	7.5%
	4.6	A3 London Road - between Ladybridge Road and B2177 Portsdown Hill Road*	1755	5.7%	1872	4.3%	20068	5.7%
	4.7	Boundary Way Slip Road – between A3 London Road and B2177 Portsdown Hill Road	270	12.0%	469	6.3%	3849	9.0%
	4.8	London Road Slip Road – between A3 London Road and B2177 Portsdown Hill Road	654	7.4%	480	7.2%	5938	8.3%
	4.9	B2177 Portsdown Hill Road – between A3 London Road and Farlington Avenue	1379	7.6%	1655	5.5%	14967	7.1%
	4.10	Farlington Avenue – between B2177 Portsdown Hill Road and Burnham Road	347	9.5%	485	5.4%	4279	7.6%
Section 5	5.1	Farlington Avenue – between Burnham Road and Havant Road	347	9.5%	485	5.4%	4279	7.6%
	5.2	Havant Road / A2030 Havant Road – between Farlington Avenue and Waterworks Road	Data not available					
	5.3	A2030 Eastern Road – between Havant Road and the northern boundary of Zetland Field	825	12.0%	1123	6.5%	11301	8.0%
	5.4	Burnham Road and Ainsdale Road cul-de-sac	Data not available					
	5.5	Blake Road cul-de-sac	Data not available					

	5.6	Eveleigh Road – between Farlington Avenue and Galt Road	Data not available					
	5.7	B2177 Portsdown Hill Road between Farlington Avenue and Farlington Water Works	347	9.5%	485	5.4%	4279	7.6%
Section 6	6.1	A2030 Eastern Road – between northern boundary of Zetland Field and Fitzherbert Road	825	12.0%	1123	6.5%	11301	8.0%
	6.2	A2030 Eastern Road – between Fitzherbert Road and access junction to Farlington Playing Fields	1735	14.6%	1637	7.1%	20730	11.3%
	6.3	Fitzherbert Road – between A2030 Eastern Road and Sainsbury's / B&M Access Road	Data not available at time of writing					
Section 7	7.1	A2030 Eastern Road – between access junction to Farlington Playing Fields and A27 Havant Bypass	1735	14.6%	1637	7.1%	20730	11.3%
	7.2	A2030 Eastern Road – between A27 Havant Bypass and Anchorage Road	3540	16.0%	3720	9.4%	45810	12.6%
	7.3	A2030 Eastern Road – between Anchorage Road and Airport Service Road*	2801	14.0%	2473	10.6%	36496	10.8%
Section 8	8.1	A2030 Eastern Road – between Airport Service Road and Burrfields Road*	2801	14.0%	2473	10.6%	36496	10.8%
	8.2	A2030 Eastern Road – between Burrfields Road and Tangier Road	2062	12.0%	1226	11.9%	27183	9.0%
	8.3	A2030 Eastern Road – between Tangier Road and A2030 Velder Avenue*	1979	10.0%	1546	8.8%	26722	7.8%
	8.4	A2030 Velder Avenue – between A2030 Eastern Road and A288 Milton Road	1896	8.1%	1865	5.8%	26261	6.6%
	8.5	Moorings Way – entire road up to Sanderling Road	375	8.7%	335	5.4%	3904	7.0%
	8.6	East Shore Way / Shore Avenue	Data not available					
	8.7	Eastern Avenue – between A2030 Eastern Road and Shore Avenue	Data not available					
	8.8	Salterns Avenue	Data not available					
Section 9	9.1	A288 Milton Road / A288 Eastney Road – between A2030 Velder Avenue and Bransbury Road	1346	8.4%	1402	5.0%	19810	6.1%

	9.2	Bransbury Road – between A288 Milton Road and Henderson Road	570	9.8%	675	5.0%	8243	7.0%
	9.3	Moorings Way – entire road up to Sanderling Road (covers section 8 and 9 so is repeated)	375	8.7%	335	5.4%	3904	7.0%
	9.4	Furze Lane – between Bus Link and Locksway Road	Data not available					
	9.5	Locksway Road / Longshore Way – between Ironbridge Lane and the southern boundary of the sports pitches east of the Thatched House Public House	Data not available					
	9.6	Waterlock Gardens / Seaview Crescent cul-de-sac	Data not available					
	9.7	Meryl Road cul-de-sac	Data not available					
	9.8	Ironbridge Lane – between Locksway Road and Kingsley Road	Data not available					
	9.9	Redlands Grove (off Ironbridge Lane) and Tideway Gardens – between Redlands Grove and Kingsley Road	Data not available					
	9.10	Kingsley Road – between Ironbridge Lane and Yeo Court	Data not available					
	9.11	Yeo Court cul-de-sac	Data not available					
Section 10	10.1	Henderson Road – between Bransbury Road and Fort Cumberland Road	570	9.8%	675	5.0%	8243	7.0%
	10.2	Fort Cumberland Road – between Henderson Road and Fraser Range Access Road	233	7.0%	354	5.6%	4707	6.6%

*Estimated from traffic flow survey data

***Estimated from the relevant bus timetables

4 ASSESSMENT OF LINK SENSITIVITY

Link	Link Description	Type of Sensitive Receptor and Users	Sensitivity
Section 1 – Lovedean			
1.1	Broadway Lane – north of the existing substation access junction	Rural agricultural with farm access and two PRow. PRow users and road users.	Low
1.2	Broadway Lane – between Day Lane and Anmore Lane	Rural agricultural with small number of dwellings and one PRow. PRow users and road users.	Low
1.3	Day Lane	Rural agricultural with small number of dwellings and one PRow. PRow users and road users.	Low
1.4	Lovedean Lane – between Day Lane and A3 Portsmouth Road	Receptors in the vicinity include a Tesco Express, Woodcroft Primary School and commercial premises along Milton Road. School users, residents and road users.	Medium
1.5	Lovedean Lane, Downhouse Road and South Lane – between Day Lane and Charlton Lane	Lovedean Lane - Rural agricultural with four PRow. PRow users and road users. Downhouse Road – residential road. Residents and road users. South Lane – residential road with a cluster of commercial premises and proximity to Clanfield Junior School. School users, residents and road users.	Medium
1.6	Charlton Lane between South Lane and A3	Between A3 and Green Lane - rural agricultural, one PRow. Between Green lane and South Lane - residential road near to Clanfield Junior School with two PRow. School users, residents, PRow users and road users.	Low
1.7	A3 Portsmouth Road - between the B2149 Dell Piece West and Lovedean Lane	Residential distributor road. Residents and road users.	Low
1.8	B2149 Dell Piece West – between A3 (M) Junction 2, and A3 Portsmouth Road	Distributor road with access to Morrisons Supermarket and Hazleton interchange Industrial Estate. Employees, customers and road users.	High
1.9	A3 – north of junction with Charlton Lane	Limited access ‘A’ classification dual-carriageway. Road users.	Low
1.10	A3 (M) – south of Junction 2	Motorway – limited access road. Road users.	Low
Section 2 - Anmore			
2.1	Anmore Lane – between Soake Road and Broadway Lane	Anmore Lane - Rural agricultural with a small number of dwellings and one PRow. Residents, PRow users and road users.	Medium
Section 3 – Denmead / Kings Pond Meadows			
3.1	Anmore Road – between Edney’s Lane and Soake Road	Anmore Road – Narrow residential road with limited separation in places. Residents and road users.	Medium

3.2	Martin Avenue	Residential Road and close to Denmead Infant School; and Denmead Junior School. School users, residents and road users.	High
3.3	Mill Road	Residential Road close to Denmead Infant School; and Denmead Junior School. Proliferation of on-street parking between Anmore Road and Mill Close. School users, residents and road users.	Medium
3.4	B2150 Hambledon Road – between Anmore Road and Forest Road	Residential Road providing the main road link to Denmead village centre. Close to Denmead Infant School and Denmead Junior School. School users, residents and road users.	High
3.5	B2150 Hambledon Road – between Forest Road and Soake Road	Key link between Denmead and Waterlooville with adjacent shared-use path. Road users.	Medium
3.6	Soake Road – between B2150 Hambledon Road and Annore Road / Anmore Lane	Rural agricultural with some industrial premises and residential dwellings. Employees, customers, residents and road users.	Low
3.7	Anmore Road – between Hambledon Road and Edney's Lane	Residential road with the Forest of Bere Public House and some on-street parking. Residents and road users.	Medium
Section 4 - Hambledon Road to Burnham Road			
4.1	B2150 Hambledon Road – between Soake Road and Milton Road	Commercial premises at Hambledon Parade and a small number of residential dwellings along Hambledon Road. Employees, customers, residents and road users.	Medium
4.2	B2150 Hambledon Road -between Milton Road and A3 Maurepas Way	Numerous commercial properties including Sainsbury's Supermarket and Wellington Retail Park. Employees and customers.	High
4.3	A3 Maurepas Way – between B2150 Hambledon Road and A3 London Road	Asda Supermarket, Waterlooville Fire Station, GP surgery and links to Waterlooville town centre. Employees, customers and road users.	High
4.4	Forest End cul-de-sac	Residential Road. Residents and road users.	Low
4.5	A3 London Road – between A3 Maurepas Way and Ladybridge Road	Cluster of commercial premises between Campbell Crescent and Ladybridge Road and residential dwellings. Four PRoW. Employees, customers, residents, PRoW users and road users.	Medium
4.6	A3 London Road - between Ladybridge Road and B2177 Portsdown Hill Road	Commercial premises near Lansdowne Avenue and residential dwellings. Employees, customers and road users.	Low
4.7	Boundary Way Slip Road – between A3 London Road and B2177 Portsdown Hill Road	Residential dwellings. Residents and road users.	Low
4.8	London Road Slip Road – between A3 London Road and B2177 Portsdown Hill Road	One PRoW. PRoW users and road users.	Low
4.9	B2177 Portsdown Hill Road – between A3 London Road and Farlington Avenue	Residential dwellings, frequently used route by learner drivers / learner motorcyclists and Portsdown Hill Viewpoint. Residents and road users.	Medium

4.10	Farlington Avenue – between B2177 Portsdown Hill Road and Burnham Road	Residential dwellings. Residents and road users.	Low
Section 5 - Farlington			
5.1	Farlington Avenue – between Burnham Road and Havant Road	Residential road in close proximity to Solent Infant and Junior Schools. School users, residents and road users.	High
5.2	Havant Road / A2030 Havant Road – between Farlington Avenue and Waterworks Road	Busy junction linking Farlington Avenue and Eastern Road. Proximity to Solent Infant and Junior Schools and residential dwellings. School users, residents and road users.	High
5.3	A2030 Eastern Road – between Havant Road and a Fitzherbert Road and the northern boundary of Zetland Field	Dual carriageway distributor road. Shared-used path forms part of NCN 222. One PRow. Road users.	Low
5.4	Burnham Road and Ainsdale Road cul-de-sac	Residential dwellings. Residents and road users.	Low
5.5	Blake Road cul-de-sac	Residential dwellings. Residents and road users.	Low
5.6	Eveleigh Road – between Farlington Avenue and Galt Road	Solent Infant School, Little Stars Pre-School and residential dwellings. School users, residents and road users.	High
5.7	B2177 Portsdown Hill between Farlington Avenue and Farlington Water Works	No properties with frontage access onto this road. Road users.	Low
Section 6 - Zetland Field & Sainsbury's Car Park			
6.1	A2030 Eastern Road – between northern boundary of Zetland Field and Fitzherbert Road	Dual carriageway distributor road. Shared-used path forms part of NCN 222. One PRow. Road users.	Low
6.2	A2030 Eastern Road – between Fitzherbert Road and access junction to Farlington Playing Fields	Major highway link that provides access to Sainsbury's, B&M and Industrial Estates on Fitzherbert Road and Grove Road. Shared-used path forms part of NCN Route 222. Road users, employees and customers.	High
6.3	Fitzherbert Road – between A2030 Eastern Road and Sainsbury's / B&M Access Road	Two large retail outlets and Industrial Estate. Road users, employees and customers.	High
Section 7 – Farlington Junction to Airport Service Road			
7.1	A2030 Eastern Road – between access junction to Farlington Playing Fields and A27 Havant Bypass	Major highway link that provides access to Industrial Estate on Walton Road and Shell Petrol Station / Holiday Inn Express Portsmouth North. Shared-used path forms part of NCN Route 222. Road users, employees and customers.	High
7.2	A2030 Eastern Road – between A27 Havant Bypass and Anchorage Road	Strategic route into Portsmouth; includes NCN Route 222 on adjacent shared use path(s). Large Industrial Estate on Anchorage Road. Road users, employees and customers.	High
7.3	A2030 Eastern Road – between Anchorage Road and Airport Service Road	Strategic route into Portsmouth; includes NCN Route 222 on adjacent shared use path(s). Several car dealerships on Airport Service Road. Road users.	High

Section 8 – Great Salterns Golf Course to Velder Avenue / Moorings Way			
8.1	A2030 Eastern Road – between Airport Service Road and Burrfields Road	Strategic route into Portsmouth; includes NCN Route 222 on adjacent shared use path(s). Access to Ocean Retail Park along Burrfields Road. Road users.	High
8.2	A2030 Eastern Road – between Burrfields Road and Tangier Road	Strategic route into Portsmouth; includes NCN Route 222 on adjacent shared use path(s). Portsmouth College on Tangier Road. College users and road users.	High
8.3	A2030 Eastern Road – between Tangier Road and the A2030 Velder Avenue	Strategic route into Portsmouth; includes NCN Route 222 on adjacent shared use path(s). Residential dwellings. Residents and road users.	High
8.4	A2030 Velder Avenue – between A2030 Eastern Road and A288 Milton Road	Junction with A288 Milton Road a known traffic bottleneck providing access to southern part of city. Also close to Fratton Park Football Stadium and St Mary's NHS Treatment Centre and Community Health Campus. Patients, visitors, employees, residents and road users.	High
8.5	Moorings Way – entire road up to Sanderling Road	Moorings Way Infant School, residential dwellings and an on-road section of NCN Route 222. School users, residents and road users.	High
8.6	East Shore Way / Shore Avenue cul-de-sac	Residential dwellings. Residents and road users.	Low
8.7	Eastern Avenue – between A2030 Eastern Road and Shore Avenue	Residential dwellings and an on-road section of NCN Route 222. Residents and road users.	Low
8.8	Salterns Avenue	Residential dwellings. Residents and road users.	Low
Section 9 – Velder Avenue / Milton Road or Milton Common to Bransbury Road			
9.1	A288 Milton Road / A288 Eastney Road – between A2030 Velder Avenue and Bransbury Road	Milton Park, Mary Rose Academy, Milton Park Pre-school and Primary School, Eastney Community Centre, various commercial / retail premises including convenience stores, and residential dwellings. Leisure users, employees, customers, school users, residents and road users.	High
9.2	Bransbury Road – between A288 Eastney Road and Henderson Road	Eastney Community Centre, Bransbury Park and residential dwellings. Leisure users, residents and road users.	Low
9.3	Moorings Way to Furze Lane Bus Link	Bus link and part of NCN Route 222 via adjacent shared-use path. Road users.	Medium
9.4	Furze Lane – between Bus Link and Locksway Road	University of Portsmouth Langstone Sports Site and Campus and NCN Route 22 (off-road). University users, residents and road users.	Medium
9.5	Locksway Road / Longshore Way - between Ironbridge Lane and the southern boundary of the sports pitches east of the Thatched House Public House	University of Portsmouth Langstone Sports Site and Campus and NCN Route 22 (off-road). Sailing club, allotments and residential dwellings. University users, residents, leisure users, and road users.	Low
9.6	Waterlock Gardens / Seaview Crescent cul-de-sac	Residential dwellings. Residents and road users.	Low
9.7	Meryl Road cul-de-sac	Residential dwellings. Residents and road users.	Low

9.8	Ironbridge Lane – between Locksway Road and Kingsley Road	Access to Bransbury Park and Residential Dwellings. Leisure users, residents and road users.	Low
9.9	Redlands Grove (off Ironbridge Lane) and Tideway Gardens (between Redlands Grove and Kingsley Road)	Residential dwellings. Residents and road users.	Low
9.10	Kingsley Road – between Ironbridge Lane and Yeo Court	Residential dwellings. Residents and road users.	Low
9.11	Yeo Court cul-de-sac	Residential dwellings. Residents and road users.	Low
Section 10 - Landfall			
10.1	Henderson Road – between Bransbury Road and Fort Cumberland Road	Access to Southsea Leisure Park, Eastney Swimming Pool, Cocklesheel Naval Community Centre and Residential Dwellings. Leisure users, residents and road users.	Low
10.2	Fort Cumberland Road – between Henderson Road and Fraser Range Access Road	Residential dwellings. Residents and road users.	Low

5 CONSTRUCTION TRAFFIC ANALYSIS

Link	Road and Description	Link Sensitivity	AM Peak 08:00-09:00					PM Peak 17:00-18:00					7-DAY AADT				
			Existing HGVs	Additional HGVs	% Increase in HGVs	Traffic Flow	% Rise in Traffic Flow	Existing HGVs	Additional HGVs	% Increase in HGVs	Traffic Flow	% Rise in Traffic Flow	Existing HGVs	Additional HGVs	% Increase in HGVs	Traffic Flow	% Rise in Traffic Flow
Section 1 – Lovedean																	
1.1	Broadway Lane – north of the existing substation access junction	Low	No data available														
1.2	Broadway Lane –Day Lane to Anmore Lane	Low	21	0	0%	264	5%	18	0	0%	216	6%	155	217	79%	2418	19%
1.3	Day Lane	Low	21	0	0%	264	5%	18	0	0%	216	6%	155	217	79%	2418	19%
1.4	Lovedean Lane –Day Lane to A3 Portsmouth Road	Medium	46	0	0%	588	2%	37	0	0%	661	2%	488	152	25%	7709	5%
1.5	Lovedean Lane, Downhouse Road and South Lane –Day Lane to Charlton lane	Medium	35	0	0%	469	0%	27	0	0%	457	0%	295	0	0%	4477	1%
1.6	Charlton Lane - South Lane and A3	Low	56	0	0%	715	0%	42	0	0%	801	0%	521	0	0%	7584	1%
1.7	A3 Portsmouth Road - between the B2149 Dell Piece West and Lovedean Lane	Low	89	0	0%	1182	1%	78	0	0%	1511	1%	1112	97	8%	17137	2%
1.8	B2149 Dell Piece West - between A3 (M) Junction 2, and A3 Portsmouth Road	High	140	0	0%	1783	1%	91	0	0%	1922	1%	1470	96	6%	21806	1%
1.9	A3 - north of junction with Charlton Lane	Low	355	0	0%	5334	0%	399	0	0%	5995	0%	3789	0	2%	68996	0%
1.10	A3 (M) - south of Junction 2	Low	386	0	0%	5363	0%	434	0	0%	6030	0%	4288	0	1%	71039	0%
Section 2 - Anmore																	

2.1	Anmore Lane – between Soake Road and Broadway Lane	Medium	12	0	0%	223	0%	13	0	0%	189	0%	115	0	0%	1839	2%	
Section 3 – Denmead / Kings Pond Meadows																		
3.1	Anmore Road – between Edney’s Lane and Soake Road	Medium	12	0	0%	223	0%	13	0	0%	189	0%	115	0	0%	1839	2%	
3.2	Martin Avenue	High	2	0	0%	50	4%	4	8	0%	43	5%	35	61	93%	465	10%	
3.3	Mill Road	Medium	9	0	0%	146	1%	11	6	0%	160	1%	#VALUE!	0	#VALUE!	1571	3%	
3.4	B2150 Hambledon Road – between Anmore Road and Forest Road	High	64	0	0%	922	0%	56	4	0%	952	0%	701	33	5%	10528	0%	
3.5	B2150 Hambledon Road – between Forest Road and Soake Road	Medium	133	0	0%	1474	0%	98	4	0%	1547	0%	1412	32	2%	17263	0%	
3.6	Soake Road – between B2150 Hambledon Road and Anmore	Low	No data available															
3.7	Anmore Road – between Hambledon Road and Edney’s Lane	12	0	0%	223	0%	13	0	0%	189	0%	115	0	0%	1839	2%		
Section 4 – Hambledon Road to Burnham Road																		
4.1	B2150 Hambledon Road – between Soake Road and Milton Road.	Medium	123	0	0%	1399	0%	83	4	0%	1535	0%	1238	33	3%	17371	0%	
4.2	B2150 Hambledon Road -between Milton Road and A3 Maurepas Way	High	243	0	0%	2581	0%	227	4	0%	2652	0%	2726	33	1%	32466	0%	
4.3	A3 Maurepas Way – between B2150 Hambledon Road and A3 London Road	High	145	0	0%	1649	0%	125	4	0%	1901	0%	1445	33	2%	20529	0%	
4.4	Forest End Cul-de-sac – section between A3 London Road and Evergreen Close	Low	No data available															
4.5	A3 London Road – between A3 Maurepas Way and Ladybridge Road	Medium	135	0	0%	1600	0%	100	4	0%	1685	0%	1399	33	2%	18661	0%	

4.6	A3 London Road - between Ladybridge Road and B2177 Portsdown Hill Road	Low	105	0	0%	1848	0%	85	4	0%	1963	0%	1197	33	3%	21080	0%	
4.7	Boundary Way Slip Road - between A3 London Road and B2177 Portsdown Hill Road	Low	34	0	0%	284	0%	31	0	0%	491	0%	362	0	0%	4034	0%	
4.8	London Road Slip Road - between A3 London Road and B2177 Portsdown Hill Road	Low	51	0	0%	690	0%	36	4	0%	505	0%	515	34	6%	6271	1%	
4.9	B2177 Portsdown Hill Road - between A3 London Road and Farlington Avenue	Medium	110	0	0%	1452	0%	96	4	0%	1736	0%	1119	33	3%	15734	0%	
4.10	Farlington Avenue - between B2177 Portsdown Hill Road and Burnham Road	Low	35	0	0%	367	1%	27	4	0%	510	0%	341	35	9%	4532	1%	
Section 5 - Farlington																		
5.1	Farlington Avenue - between Burnham Road and Havant Road	High	35	0	0%	367	1%	27	4	0%	510	0%	341	35	9%	4532	1%	
5.2	Havant Road / A2030 Havant Road - between Farlington Avenue and Waterworks Road	High Low	No data available															
5.3	A2030 Eastern Road - between Havant Road and northern boundary of Zetland Field	Low	104	0	0%	869	0%	76	4	0%	1179	0%	952	42	4%	11904	1%	
5.4	Burnham Road / Ainsdale Road cul-de-sac	Low	No data available															
5.5	Blake Road cul-de-sac	Low	No data available															
5.6	Eveleigh Road - between Farlington Avenue and Galt Road	High	No data available															
5.7	B2177 Portsdown Hill Road between Farlington	Medium	110	0	0%	1452	0%	96	4	0%	1736	0%	1119	33	3%	15734	0%	

	Avenue and Farlington Water Works																	
Section 6 – Zetland Field and Sainsbury’s Car Park																		
6.1	A2030 Eastern Road – between northern boundary of Zetland Field and Fitzherbert Road	Low	104	0	0%	869	0%	76	4	0%	1179	0%	952	42	4%	11904	1%	
6.2	A2030 Eastern Road – between Fitzherbert Road and the access junction to Farlington Playing Fields	Medium	266	0	0%	1827	0%	121	4	0%	1717	0%	2456	40	2%	21786	0%	
6.3	Fitzherbert Road – between A2030 Eastern Road and Sainsbury’s / B&M Access Road	High	No data available															
Section 7 – Farlington Junction to Airport Service Road																		
7.1	A2030 Eastern Road – between access junction to Farlington Playing Fields and A27 Havant Bypass	Medium	266	0	0%	1827	0%	121	4	0%	1717	0%	2456	40	2%	21786	0%	
7.2	A2030 Eastern Road – between A27 Havant Bypass and Anchorage Road	High	596	0	0%	3725	0%	367	4	0%	3899	0%	6046	43	1%	48195	0%	
7.3	A2030 Eastern Road – between Anchorage Road and Airport Service Road	High	412	0	0%	2948	0%	276	4	0%	2593	0%	4128	42	1%	38434	0%	
Section 8 – Great Salterns Golf Course to Velder Avenue / Moorings Way																		
8.1	A2030 Eastern Road – between Airport Service Road and Burrfields Road	High	412	0	0%	2948	0%	276	4	0%	2593	0%	4128	42	1%	38434	0%	
8.2	A2030 Eastern Road – between Burrfields Road and Tangier Road	High	260	0	0%	2170	0%	153	4	0%	1286	0%	2562	39	2%	28674	1%	
8.3	A2030 Eastern Road – between Tangier Road and A2030 Velder Avenue	High	209	0	0%	2083	0%	143	4	0%	1621	0%	2187	40	2%	28191	1%	

8.4	A2030 Velder Avenue – between A2030 Eastern Road and A288 Milton Road	High	162	0	0%	1996	0%	114	4	0%	1956	0%	1824	41	2%	27708	1%
8.5	Moorings Way – entire road up to Sanderling Road	High	34	0	0%	396	1%	19	5	0%	353	1%	285	45	14%	4152	1%
8.6	East Shore Way / Salterns Avenue cul-de-sac	Low	No data available														
8.7	Eastern Avenue – between A2030 Eastern Road and Moorings Way	Low	No data available														
8.8	Salterns Avenue	Low	No data available														
Section 9 – Velder Avenue / Milton Road or Milton Common to Bransbury Road																	
9.1	A288 Milton Road / A288 Eastney Road – between A2030 Velder Avenue and Bransbury Road	High	119	0	0%	1418	0%	73	4	0%	1470	0%	1267	41	3%	20822	0%
9.2	Bransbury Road – between A288 Milton Road and Henderson Road	Low	59	0	0%	602	0%	35	4	0%	709	0%	606	42	7%	8699	1%
9.3	Moorings Way to Furze Lane Bus Link	Medium	2	0	0%	4	49%	2	11	0%	4	49%	22	114	186%	82	74%
9.4	Furze Lane – between Bus Link and Locksway Road	Medium	No data available														
9.5	Locksway Road / Longshore Way between Ironbridge Lane and the southern boundary of the sports pitches east of the Thatched House Public House	Low	No data available														
9.6	Waterlock Gardens / Seaview Crescent cul-de-sac	Low	No data available														
9.7	Meryl Road cul-de-sac	Medium	No data available														

9.8	Ironbridge Lane – between Locksway Road and Kingsley Road	Low																
9.9	Redlands Grove (off Ironbridge Lane) and Tideway Gardens – between Redlands Grove and Kingsley Road	Low																
9.10	Kingsley Road between Ironbridge Lane and Yeo Court	Low																
9.11	Yeo Court cul-de-sac	Low																
Section 10 - Landfall																		
10.1	Henderson Road – between Bransbury Road and Fort Cumberland Road	Low	59	0	0%	602	0%	35	4	0%	709	0%	605.5	42	7%	8699	1%	
10.2	Fort Cumberland Road – between Henderson Road and Fraser Range Access Road	Low	17	0	0%	247	1%	21	5	0%	373	1%	326.5	45	12%	4993	1%	