



**AQUIND Limited**

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## **APPENDIX 21.2**

Impact Tables



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## SUMMARY OF LINKS TAKEN FORWARD FOR FURTHER ASSESSMENT

Link ID	Link Description	Reason for Assessment
1.1	Broadway Lane north of the existing substation access junction	No traffic survey data
1.2	Broadway Lane – between Day Lane and Anmore Lane;	Met GEART Threshold for Traffic Flow Increase
1.3	Day Lane – between Broadway Lane and Lovedean Lane	Met GEART Threshold for Traffic Flow Increase
1.4	Lovedean Lane – between Day Lane and A3 Portsmouth Road	Met GEART Threshold for Traffic Flow Increase
1.8	B2149 Dell Piece West – between A3 (M) Junction 2 and A3 Portsmouth Road	High Sensitivity
3.2	Martin Avenue	Met GEART Threshold for Traffic Flow Increase
3.4	B2150 Hambledon Road – between Anmore Road and Forest Road	High Sensitivity
3.6	Soake Road between B2150 Hambledon Road and Anmore Road / Anmore Lane	No traffic survey data

<b>4.1</b>	B2150 Hambledon Road – between Soake Road and Milton Road.	Jointing Bay(s) affecting the highway
<b>4.2</b>	B2150 Hambledon Road – between Milton Road and A3 Maurepas Way	High Sensitivity
<b>4.3</b>	A3 Maurepas Way – between B2150 Hambledon Road and A3 London Road	High Sensitivity
<b>4.5</b>	A3 London Road – between A3 Maurepas Way and Ladybridge Road	Jointing Bay(s) affecting the highway
<b>4.6</b>	A3 London Road - between Ladybridge Road and B2177 Portsdown Hill Road	Jointing Bay(s) affecting the highway
<b>5.1</b>	Farlington Avenue – between Burnham Road and Havant Road	High Sensitivity
<b>5.2</b>	Havant Road / A2030 Havant Road – between Farlington Avenue and Waterworks Road	High Sensitivity
<b>5.6</b>	Eveleigh Road – between Farlington Avenue and Galt Road	High Sensitivity
<b>6.2</b>	A2030 Eastern Road – between Fitzherbert Road and the access junction to Farlington Playing Fields	High Sensitivity
<b>6.3</b>	Fitzherbert Road – between A2030 Eastern Road and Sainsbury's / B&M Access Road	High Sensitivity

<b>7.2</b>	A2030 Eastern Road – between the A27 Havant Bypass and Anchorage Road	High Sensitivity
<b>7.3</b>	A2030 Eastern Road – between Anchorage Road and Airport Service Road	High Sensitivity
<b>8.1</b>	A2030 Eastern Road – between Airport Service Road and Burfields Road	High Sensitivity
<b>8.2</b>	A2030 Eastern Road – between Burrfields Road and Tangier Road	High Sensitivity
<b>8.3</b>	A2030 Eastern Road – between Tangier Road and the A2030 Velder Avenue	High Sensitivity
<b>8.4</b>	A2030 Velder Avenue – between the A2030 Eastern Road and the A288 Milton Road	High Sensitivity
<b>8.5</b>	Moorings Way – entire road up to Sanderling Road	Met GEART Threshold for Traffic Flow Increase
<b>9.1</b>	A288 Milton Road / A288 Eastney Road – between the A2030 Velder Avenue and Bransbury Road	High Sensitivity
<b>9.3</b>	Moorings Way to Furze Lane Bus Link	Met GEART Threshold for Traffic Flow Increase
<b>9.5</b>	Locksway Road / Longshore Way between Ironbridge Lane and southern boundary of the sports pitches east of the Thatched House Public House	No traffic survey data
<b>9.10</b>	Kingsley Road between Ironbridge Lane and Yeo Court	No traffic survey data

## SEVERANCE ASSESSMENT OF CABLE CORRIDOR

Link	Description	Sensitivity	Assessment	Magnitude of Change	Significance of Effect
3.2	Martin Avenue – between Hambledon Road and Anmore Lane	High	Approximately 10% increase in traffic but road closure required, excluding footways, for cable installation. Temporary crossing points will be provided.	Large	Major adverse
3.4	B2150 Hambledon Road – between Anmore Road and Forest Road	High	Traffic increase of 5-8% within the vicinity of schools. Existing and temporary crossing facilities implemented by cable installation may reduce impact.	Negligible	Negligible adverse
3.6	Soake Road – between B2150 Hambledon Road and Anmore Road / Anmore Lane	Low	Potential impact associated with construction traffic accessing Converter Station. Rural lane with few facilities.	Negligible	Negligible adverse
4.1	B2150 Hambledon Road – between Anmore Road and Forest Road	Medium	Minor increases in traffic associated with construction of Jointing Bay.	Negligible	Negligible adverse
4.2	B2150 Hambledon Road – between	High	Traffic increase of around 1%. especially at the junction with Aston Road. However, considering that existing traffic flows are high and the fact	Negligible	Negligible adverse



	Milton Road and A3 Maurepas Way		that the link is a dual carriageway, severance is presumed to be large already.		
4.3	A3 Maurepas Way – between B1250 Hambledon Road and A3 London Road	High	Traffic increase of around 1%. Temporary signal controlled crossings required, to substitute existing provisions along the route. Considering that existing traffic flows are high and the fact that the link is a dual carriageway, severance is presumed to be large already.	Negligible	<b>Negligible adverse</b>
4.5	A3 London Road – between A3 Maurepas Way and Ladybridge Road	Medium	Minor increases in traffic associated with construction of Jointing Bay.	Negligible	<b>Negligible adverse</b>
4.6	A3 London Road – between Ladybridge Road and B2177 Portsdown Hill Road	Low	Minor increases in traffic associated with construction of Jointing Bay.	Negligible	<b>Negligible adverse</b>
5.1	Farlington Avenue – between Burnham Road and Havant Road	High	Traffic increase of 13% during the day, likely to impact upon school users given proximity of educational facilities. Impact may be reduced by completion of works outside of school terms	Negligible	<b>Negligible adverse</b>
5.2	Havant Road / A2030 Havant	High	Assumed small traffic increase at busy junction with signalised pedestrian crossing facilities.	Negligible	<b>Negligible adverse</b>

	Road – between Farlington Avenue and Waterworks Road		Temporary diversion of crossing likely be required.		
<b>5.6</b>	Eveleigh Road – between Farlington Avenue and Galt Road	High	Road closure may prevent through access on a temporary basis but access to all properties should be maintained via the western and eastern ends of Eveleigh Road.	Negligible	<b>Negligible adverse</b>
<b>6.2</b>	A2030 Eastern Road – between Fitzherbert Road and access junction to Farlington Playing Fields	High	Overall traffic increase of around 1%. Temporary crossing facilities required to substitute existing provisions. Given the high traffic volumes and the dual carriageway nature of the road, severance is presumed to be large already.	Negligible	<b>Negligible adverse</b>
<b>6.3</b>	Fitzherbert Road – between A2030 Eastern Road and Sainsbury's / B&M Access Road	High	Assumed small traffic increase at busy junction with signalised pedestrian crossing facilities. Temporary diversion of crossing likely be required.	Negligible	<b>Negligible adverse</b>
<b>7.2</b>	A2030 Eastern Road – between the A27 Havant Bypass and Anchorage Road	High	Traffic increase of less than 1%. Existing crossing facilities only provided at major junctions due to dual carriageway, with temporary crossings / diversions provided where required	Negligible	<b>Negligible adverse</b>

7.3	A2030 Eastern Road – between Anchorage Road and Airport Service Road	High	Traffic increase of less than 1%. Existing crossing facilities only provided at major junctions, with temporary crossings / diversions provided where required	Negligible	<b>Negligible adverse</b>
8.1	A2030 Eastern Road – between Airport Service Road and Burrfields Road	High	Traffic increase of less than 1%. Existing crossing facilities only provided at major junctions due to dual carriageway, with temporary crossings / diversions provided where required	Negligible	<b>Negligible adverse</b>
8.2	A2030 Eastern Road – between Burrfields Road and Tangier Road	High	Traffic increase of less than 1-2%. Existing crossing facilities only provided at major junctions due to dual carriageway, with temporary crossings / diversions provided where required	Negligible	<b>Negligible adverse</b>
8.3	A2030 Eastern Road – between Tangier Road and the A2030 Velder Avenue	High	Traffic increase of less than 1-2%. Existing crossing facilities only provided at major junctions due to dual carriageway, with temporary crossings / diversions provided where required	Negligible	<b>Negligible adverse</b>
8.4	A2030 Velder Avenue – between the A2030 Eastern Road and A288 Milton Road	High	Traffic increase of less than 1-2%. Existing crossing facilities only provided at major junctions due to dual carriageway, with temporary crossings / diversions provided where required	Negligible	<b>Negligible adverse</b>

8.5	Moorings Way – entire road up to Sanderling Road	High	Overall traffic increase of 1-2%. Milton Common is located on the northern side of Moorings Way with several entry points along the route. Traffic flows and visibility provide able opportunity for pedestrians to cross.	Negligible	<b>Negligible adverse</b>
9.1	A288 Milton Road / A288 Eastney Road – between the A2030 Velder Avenue and Bransbury Road	High	Traffic increase of less than 1%. Existing crossing facilities only provided at major junctions due to dual carriageway, with temporary crossings / diversions provided where required	Negligible	<b>Negligible adverse</b>
9.3	Moorings Way to Furze Lane Bus Link	Medium	Significant increase traffic due to existing link operating as a bus only link. Cable installation likely to result closure of link to pedestrian and cycles (NCN222), requiring a significant diversion.	Large	<b>Major to Moderate adverse</b>
9.5	Locksway Road / Longshore Way between Ironbridge Lane and southern boundary of the sports pitches east of the Thatched House Public House	Low	Assumed moderate increase in traffic on route with low traffic flows. All existing crossing are uncontrolled which suggests that traffic flow is suitable for such provision. Therefore, there is unlikely to be a significant impact.	Medium	<b>Minor adverse</b>

9.10	Kingsley Road between Ironbridge Lane and Yeo Court	Low		Medium	<b>Minor adverse</b>
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## TRAFFIC DELAYS ON CABLE CORRIDOR

Link	Description	Sensitivity	Traffic Management and Impact Description	Approximate duration of construction	Magnitude of Impact	Significance of Effect
1.2	Broadway Lane between Day Lane and Anmore Lane	Low	Full road closure and diversion of rural road required where route crosses between fields. Affected traffic flow is very low.	1 day	Large	Minor to Moderate Adverse
3.1	Anmore Road – between Edney’s Lane and Soake Road	Medium	Full road closure and diversion of rural / residential road. It provides a route between the northern end of Lovedean and Denmead.	1-17 days depending on option	Large	Major to Moderate Adverse
3.2	Martin Avenue	High	Full road closure and diversion of minor road required, this may lead to increased delay for traffic accessing Denmead Infant School	10 days	Large	Major Adverse
3.3	Mill Road	Medium	Full road closure and diversion of residential road required. Existing traffic flow 1500 per day.	19 days	Large	Major to Moderate Adverse
3.4	B2150 Hambledon – Road between Anmore Road and Forest Road	High	Shuttle working with signals required, increased delay, particularly at peak times, and	26 days	Medium	Major to Moderate Adverse

			possible disruption on surrounding links			
3.5	B2150 Hambledon Road – between Forest Road and Soake Road	Medium	Single lane closure with shuttle working controlled by temporary traffic signals. Potential for significant delay, especially at peak periods, and for vehicle running onto narrow unclassified roads.	22 days	Large	<b>Major to Moderate Adverse</b>
3.6	Soake Road – between B2150 Hambledon Road and Anmore Road / Anmore Lane	Low	No cable installation – route for construction traffic on unclassified minor road.	N.A.	Large	<b>Minor to Moderate Adverse</b>
3.7	Anmore Road – between B2150 Hambledon Road and Edney’s Lane	Low	Full road closure and diversion of residential road required	13 days	Large	<b>Major to Moderate Adverse</b>
4.1	B2150 Hambledon Road – between Soake Road and Milton Road	Medium	Shuttle working with signals required, will increase delay, particularly at peak times, and possible disruption on surrounding links	66 days	Medium	<b>Moderate Adverse</b>

4.2	B2150 Hambledon Road – between Milton Road and A3 Maurepas Way;	High	Single lane closure will lead to an increased delay on the impacted carriageway particularly at peak times, and for traffic accessing the adjacent industrial estates and retail park. May also impact on surrounding links	28 days	Medium	<b>Major to Moderate Adverse</b>
4.3	A3 Maurepas Way – between B2150 Hambledon Road and A3 London Road	High	Single lane closure will lead to an increased delay on the impacted carriageway particularly at peak times, at access to Asda and fire station. May also impact on surrounding links	17 days	Medium	<b>Major to Moderate Adverse</b>
4.5	A3 London Road – between A3 Maurepas Way and Ladybridge Road;	Medium	For most of the link construction will take place in bus lane (s) which will have no significant impact on traffic flow. Where lane closures are required delay will be increased.  Shuttle working signals required for approximately one week and road closure for one day	84 days	Medium	<b>Moderate Adverse</b>
4.6	A3 London Road – between Ladybridge Road and B2177 Portsdown Hill Road	Low	For the majority of the link construction will take place in bus lane (s) which will have no significant impact on traffic flow.	79 days	Medium	<b>Minor Adverse</b>



			Where lane closures are required delay will be increased.			
4.7	Boundary Way Slip Road – between A3 London Road and the B2177 Portsdown Hill Road	Low	Shuttle working with signals on minor road required, may lead to a limited increase in delay	4 days	Medium	<b>Minor Adverse</b>
4.8	London Road Slip Road – between A3 London Road and B2177 Portsdown Hill Road	Low	Shuttle working with signals required, as this is a key through route resultant delay may be moderate and impact on adjacent links	12 days	Medium	<b>Minor Adverse</b>
4.9	B2177 Portsdown Hill Road – between A3 London Road and Farlington Avenue	Medium	Shuttle working with signals required, will increase traffic delay, particularly during peak hours	18 days	Medium	<b>Moderate Adverse</b>
4.10	Farlington Avenue – between B2177 Portsdown Hill Road and Burnham Road	Low	Shuttle working with signals required, will lead to an increase in traffic delay particularly at peak / school times	23 days	Medium	<b>Minor Adverse</b>
5.1	Farlington Avenue – between Burnham Road and Havant Road	High	Road closure and diversion required. This is likely to lead to disruption on surrounding roads and increased journey times	28 days	Large	<b>Major Adverse</b>

5.2	Havant Road / A2030 Havant Road – between Farlington Avenue and Waterworks Road	High	Single lane closure and temporary road closure (1/2 days) of through route required, and will likely lead to an increase in traffic delay	9 days	Medium	<b>Major to Moderate Adverse</b>
5.3	A2030 Eastern Road – between Havant Road and the northern boundary of Zetland Field	Low	Single lane closure of major through route required, and will likely lead to a considerable increase in traffic delay	16 days	Medium	<b>Minor Adverse</b>
5.6	Eveleigh Road – between Farlington Avenue and Galt Road	High	Road closure and diversion required on a small section of this road for a limited time.	8-16 days	Large	<b>Major Adverse</b>
5.7	B2177 Portsdown Hill Road between Farlington Avenue and Galt Road	Low	Road closure likely to be required with diversion required for busy route.	30-60 days	Large	<b>Major adverse</b>
6.1	A2030 Eastern Road – between northern boundary of Zetland Field and Fitzherbert Road	High	Single lane closure of major through route required, and will likely lead to a considerable increase in traffic delay	13 days	Medium	<b>Major to Moderate Adverse</b>
6.3	Fitzherbert Road – between A2030 Eastern Road and	High	Single lane closure of limited section of this route is required, which is likely to considerable	2-4 days	Large	<b>Major Adverse</b>

	Sainsbury's / B&M Access Road		increase delay for traffic attempting to enter the adjacent industrial estate, and on surrounding alternate routes			
<b>7.2</b>	A2030 Eastern Road – between A27 Havant Bypass and Anchorage Road	High	Single lane closure potentially due to downstream options	5 days	Large	<b>Major Adverse</b>
<b>7.3</b>	A2030 Eastern Road – between Anchorage Road and Airport Service Road	High	Single lane closure of major through route required, and will lead to a considerable increase in traffic delay	5-30 days	Large	<b>Major Adverse</b>
<b>8.1</b>	A2030 Eastern Road – between Airport Service Road and Burrfields Road	High	Single lane closure of major through route required, and will likely lead to a considerable increase in traffic delay	26 days	Large	<b>Major Adverse</b>
<b>8.2</b>	A2030 Eastern Road – between Burrfields Road and Tangier Road	High	Single lane closure of major through route required, and will likely lead to a considerable increase in traffic delay	33 days	Large	<b>Major Adverse</b>
<b>8.3</b>	A2030 Eastern Road – between Tangier Road and A2030 Velder Avenue	High	Single lane closure of major through route required, and will likely lead to a considerable increase in traffic delay	78 days	Large	<b>Major Adverse</b>

8.4	A2030 Velder Avenue – between A2030 Eastern Road and A288 Milton Road	High	Single lane closure of major through route required, and will likely lead to a considerable increase in traffic delay – junction with A288 Milton Road is a known pinch-point.	19 days	Large	<b>Major Adverse</b>
8.5	Moorings Way – entire road up to Sanderling Road	High	Shuttle working with signals required on predominantly residential road will lead to an increase in traffic delay	54 days	Medium	<b>Major to Moderate Adverse</b>
8.7	Eastern Avenue – between A2030 Eastern Road and Shore Avenue	Low	Single lane closure of residential road required, and will lead to an increase in traffic delay	11 days	Large	<b>Minor to Moderate Adverse</b>
9.1	A288 Milton Road / A288 Eastney Road – between A2030 Velder Avenue and Bransbury Road	High	Single lane closure will lead to considerable disruption and traffic delay at the major junction of A2030 / A288 / Rodney Road	50 days	Large	<b>Major Adverse</b>
9.2	Bransbury Road – between A288 Eastney Road and Henderson Road	Low	Shuttle working with signals required on predominantly residential road will lead to an increase in traffic delay	28 days	Medium	<b>Minor Adverse</b>

9.3	Moorings Way to Furze Lane Bus Link	Medium	Road closure required, alongside a diversion of buses and NCN route 222.	19 days	Large	<b>Major to Moderate Adverse</b>
9.4	Furze Lane – between Bus Link and Locksway Road	Medium	Shuttle working with signals required on predominantly residential road will lead to an increase in traffic delay	8 days	Medium	<b>Moderate Adverse</b>
9.5	Locksway Road / Longshore Way - between Ironbridge Lane and southern boundary of the sports pitches east of the Thatched House Public House	Low	Shuttle working with signals / road closure (4-8 days) required on predominantly residential road will lead to an increase in traffic delay	36-40 days	Medium	<b>Minor Adverse</b>
9.8	Ironbridge Lane – between Locksway Road and Kingsley Road	Low	Full road closure and diversion of predominately residential road required, likely to lead to localised traffic delay on surrounding roads	15 days	Large	<b>Minor to Moderate Adverse</b>
9.9	Redlands Grove (off Ironbridge Lane) and Tideway Gardens (between Redlands Grove and Kingsley Road)	Low	Road closure of a residential road required. Access can be maintained via Ironbridge Lane or Kingsley Road. Temporary access to be provided on request for cul-de-sac.	8 days	Large	<b>Minor to Moderate Adverse</b>

<b>9.10</b>	Kingsley Road – between Ironbridge Lane and Yeo Court	Low	Full road closure and diversion of predominately residential road required, likely to lead to localised traffic delay on surrounding roads	7 days	Large	<b>Minor to Moderate Adverse</b>
<b>10.1</b>	Henderson Road – between Bransbury Road and Fort Cumberland Road	Low	Shuttle working with signals required on predominantly residential road will lead to an increase in traffic delay	15 days	Medium	<b>Minor Adverse</b>
<b>10.2</b>	Fort Cumberland Road – between Henderson Road and Fraser Range Access Road	Low	Shuttle working with signals required on predominantly residential road will lead to an increase in traffic delay	17 days	Medium	<b>Minor Adverse</b>

## PEDESTRIAN AND CYCLE AMENITY OF CABLE CORRIDOR

Link	Road Name	Sensitivity	Impact Description	Magnitude of Impact	Significance of Effect
3.2	Martin Avenue	High	No impact upon provisions, limited impact upon environmental factors. Reduction in traffic due to road closure offset by presence of construction vehicles in carriageway and associated noise / visual impact from works.	Negligible	<b>Negligible Adverse</b>
3.4	B2150 Hambledon Road between Anmore Road and Forest Road	High	Temporary closure of intermittent advisory cycle lanes which are relatively short in length and sporadic. Temporary signal controlled crossing facility required near Denmead Infant School as part of shuttle working. Otherwise no impact upon provisions, and limited impact upon environmental factors.	Small	<b>Moderate Adverse</b>
3.6	Soake Road – between B2150 Hambledon Road and Anmore Road / Anmore Lane	Low	Current amenity is poor due to lack of any footway provisions. No cable installation will be taking place although this will be a route used by employee traffic for the construction of the convertor station.	Small	<b>Moderate Adverse</b>
4.1	B2150 Hambledon Road – between Soake Road and Forest Road	Medium	Temporary closure of shared-use path may be required affecting desire lines. Pedestrian and cyclist access will be retained through a clearly signed diversion onto opposite footway or adjacent	Small	<b>Minor to Moderate Adverse</b>

			suitable routes where appropriate. Temporary signal controlled crossing facilities will be provided to substitute existing facilities and enable switchover. It should be noted that the existing shared-use path near Auger Row switches across to the other side of the carriageway so essentially crossing is being moved further west.		
4.2	B2150 Hambledon Road – between Milton Road and A3 Maurepas Way	High	Pedestrian and cycle amenity is already poor since the link is a busy dual carriageway. Likely that works can be accommodated on-carriageway with no impact to footways / shared-use paths. If necessary pedestrians and cyclists can be diverted along the parallel service road (Hambledon Road). Temporary crossings facilities will be provided where appropriate.	Small	<b>Moderate Adverse</b>
4.3	A3 Maurepas Way – between B2150 Hambledon Road and A3 London Road	High	Pedestrian and cycle amenity is already poor since the link is a busy dual carriageway. Limited temporary closures of single shared-use path may be required affecting desire lines. Pedestrian and cyclist access will be retained through a clearly signed diversion onto opposite footway or adjacent suitable routes where appropriate. Temporary signal controlled crossing facilities will be provided to substitute existing facilities and enable switchover.	Medium	<b>Major to Moderate Adverse</b>



4.5	A3 London Road – between A3 Maurepas Way and Ladybridge Road	Medium	Limited temporary footway closures required when ‘delivery areas’ are in use for Joint Bays. Temporary crossing facilities provided where necessary. Likely to be for a few hours only – scheduled during off-peak hours. Minor impact on desire lines.	Small	<b>Minor to Moderate Adverse</b>
4.6	A3 London Road – between Ladybridge Road and the B2177 Portsdown Hill Road	Low	Limited temporary footway closures required when ‘delivery areas’ are in use for Joint Bays. Temporary crossing facilities provided where necessary. Likely to be for a few hours only – scheduled during off-peak hours. Minor impact on desire lines.	Small	<b>Minor Adverse</b>
5.1	Farlington Avenue – between Burnham Road and Havant Road	High	Reduction in traffic due to road closure offset by presence of construction vehicles in carriageway and associated noise / visual impact from works. Footways will not be affected and limited impact upon environmental factors.	Negligible	<b>Negligible Adverse</b>
5.2	Havant Road / A2030 Havant Road – between Farlington Avenue and Waterworks Road	High	Temporary closure of one of the footways is required alongside a lane closure. A footway closure will affect pedestrian desire lines. A temporary signal controlled crossing facility will be provided. A lane closure / road closure would affect cyclists travelling on-road by increasing delays at the two junctions. On-road cycle lanes are provided to the east and west of this link.	Medium	<b>Major to Moderate Adverse</b>

5.6	Eveleigh Road – between Farlington Avenue and Galt Road	High	Reduction in traffic due to road closure offset by presence of construction vehicles in carriageway and associated noise / visual impact from works. Closure of one of the footways required but the footway on the opposite site can be kept open. Impact will be negligible if works can be undertaken outside of school term times.	Negligible	<b>Negligible Adverse</b>
6.2	A2030 Eastern Road – between Fitzherbert Road and the access junction to Farlington Playing Fields	High	A temporary closure of one of the shared-use paths will be required. Users will be diverted onto the shared-use path on the opposite side affecting desire lines and journey times. Temporary signal controlled crossing facilities will be provided. Note that this will affect National Cycle Network Route 222.	Medium	<b>Major to Moderate Adverse</b>
6.3	Fitzherbert Road – between A2030 Eastern Road and Sainsbury's / B&M Access Road	High	No impact to adjacent footways. Lane closures could affect cyclists using the on-road section of National Cycle Network Route 22, although impact is presumed to be negligible.	Negligible	<b>Negligible Adverse</b>
7.2	A2030 Eastern Road – between the A27 Havant Bypass and Anchorage Road	High	Construction is likely to encroach onto one of the shared-use paths. Users will be diverted onto the shared-use path on the opposite side, with temporary signal controlled crossing facilities provided given the busy nature of the road. This will affect desire lines and increase journey times for non-motorised users.	Medium	<b>Major to Moderate Adverse</b>

7.3	A2030 Eastern Road between Anchorage Road and Airport Service Road	High	Pedestrian and cycle amenity is already poor owing to the nature of the road. No impact for existing provisions, and limited impact upon environmental factors.	Negligible	<b>Negligible Adverse</b>
8.1	A2030 Eastern Road – between Airport Service Road and Burrfields Road	High	Off-carriageway works are proposed that involve no impact to the adjacent shared-use path. Therefore, there will be a negligible magnitude of change towards pedestrian / cycle amenity emanating from the noise and visual intrusion caused by construction. Temporary crossing facilities will be provided to substitute existing facilities where required.	Negligible	<b>Negligible Adverse</b>
8.2	A2030 Eastern Road – between Burrfields Road and Tangier Road	High	Construction is not expected to encroach onto the adjacent shared-use path except for when there is a transition between on-carriageway works and off-carriageway works on the verge. This will involve a temporary minor deviation around the works.. Temporary crossing facilities will be provided to substitute existing facilities where required.	Negligible	<b>Negligible Adverse</b>
8.3	A2030 Eastern Road – between Tangier Road and the A2030 Velder Avenue	High	For the section between Tangier Road and Kirpal Road, construction is not expected to encroach onto adjacent shared-use paths / footways. However, between Kirpal Road and the A2030 Velder Avenue, incursion into one of the footways is required. Users will be diverted onto the footway on the opposite side, with temporary signal	Medium	<b>Major to Moderate Adverse</b>

			controlled crossing facilities provided given the busy nature of the road. Note that this will affect National Cycle Network Route 222.		
8.4	A2030 Velder Avenue – between A2030 Eastern Road and A288 Milton Road	High	Construction may encroach onto either the adjacent shared-use path or footway. Users will be diverted onto the opposite side, with temporary signal controlled crossing facilities. This will affect desire lines and increase journey times for non-motorised users.	Medium	<b>Major to Moderate Adverse</b>
8.5	Moorings Way – entire road up to Sanderling Road	High	Construction is not expected to encroach onto adjacent footways. Shuttle working will pose negligible delays to cyclists using the on-road section of National Cycle Network Route 222. Magnitude of change will be further reduced if works can be undertaken outside of school term times.	Negligible	<b>Negligible Adverse</b>
9.1	A288 Milton Road / A288 Eastney Road – between the A2030 Velder Avenue and Bransbury Road	High	No impact upon adjacent footways. Limited impact on journey times for cyclists travelling on-road due to shuttle-working.	Negligible	<b>Negligible Adverse</b>
9.3	Moorings Way to Furze Lane Bus Link	Medium	Construction is likely to require a full road closure for all road users including non-motorised users. A diversion can be provided along Warren Avenue and Mayles Road. This will offer a shorter route for cyclists using NCN 222 however its likely to have	Large	<b>Major to Moderate Adverse</b>

			a negative impact on amenity because the bus-link offers a route where general through traffic is not permitted. Pedestrians, particularly those living in the immediate vicinity, are likely to be worst affected due to the severance of the desire line during the works.		
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	Limited impact upon existing provisions and environmental factors. Main impact on amenity will be noise and visual intrusion during construction.	Negligible	<b>Negligible Adverse</b>
9.10	Kingsley Road – between Ironbridge Lane and Yeo Court	Low	A footway closure may be required in limited areas. Users can be diverted onto the footway on the opposite side. Given the low traffic volumes and the need for a road closure to facilitate the works, this will have negligible impact on user journey times. National Cycle Network Route 222 only crosses Kingsley Road so a minor deviation around the works could be provided to minimise any impact.	Negligible	<b>Negligible Adverse</b>

## FEAR AND INTIMIDATION FOR CABLE CORRIDOR

Link	Road Name	Base (18hr weekday 0600 – 0000)			Construction (18hr weekday 0600 – 0000)		
		Average Traffic Flow (Vehicle / Hour)	HGV Flow (Total 18 Hour)	Fear and Intimidation Rating	Average Traffic Flow (Vehicle / Hour)	HGV Flow (Total 18 Hour)	Fear and Intimidation Rating
3.2	Martin Avenue	24	41	Negligible	25	43	Negligible
3.4	B2150 Hambledon Road – between Anmore Road and Forest Road	589	697	Negligible	624	738	Negligible
3.6	Soake Road – between B2150 Hambledon Road and Anmore Road	Data unavailable at time of writing					
4.1	B2150 Hambledon Road – between Anmore Road and Forest Road	956	1227	Small	1012	1298	Small
4.2	B2150 Hambledon Road -between Milton Road and A3 Maurepas Way	1798	2748	Medium	1903	2908	Large
4.3	A3 Maurepas Way – between B2150 Hambledon Road and A3 London Road	1167	1523	Small	1234	1611	Medium

4.5	A3 London Road – between A3 Maurepas Way and Ladybridge Road	1049	1461	Small	1110	1545	Small
4.6	A3 London Road – between Ladybridge Road and B2177 Portsdown Hill Road	1186	1268	Small	1254	1341	Small
5.1	Farlington Avenue – between Burnham Road and Havant Road	253	340	Negligible	268	360	Negligible
5.2	Havant Road / A2030 Havant Road – between Farlington Avenue and Waterworks Road	Data unavailable at time of writing					
5.6	Eveleigh Road – between Farlington Avenue and Galt Road	Data unavailable at time of writing					
6.2	A2030 Eastern Road – between Fitzherbert Road and access junction to Farlington Playing Fields	1176	2212	Medium	1244	2341	Medium
6.3	Fitzherbert Road – between A2030 Eastern Road and Sainsbury's / B&M Access Road	Data unavailable at time of writing					
7.2	A2030 Eastern Road – between the A27 Havant Bypass and Anchorage Road	2684	6216	Large	2839	6576	Large

7.3	A2030 Eastern Road – between Anchorage Road and Airport Service Road	2101	4190	Large	2223	4433	Large
8.1	A2030 Eastern Road – between Airport Service Road and Burrfields Road	2101	4190	Large	2223	4433	Large
8.2	A2030 Eastern Road – between Burrfields Road and Tangier Road	1518	2539	Medium	1606	2686	Medium
8.3	A2030 Eastern Road – between Tangier Road and the A2030 Velder Avenue	1499	2172	Medium	1586.1	2298	Medium
8.4	A2030 Velder Avenue – between the A2030 Eastern Road and the A288 Milton Road	1480	1814	Medium	1565	1920	Medium
8.5	Moorings Way	235	281	Negligible	491	629	Negligible
9.1	A288 Milton Road / A288 Eastney Road – between A2030 Velder Avenue and Bransbury Road	1105	1276	Small	1169	1350	Small
9.3	Moorings Way to Furze Lane Bus Link	<b>Data unavailable at time of writing</b>					
9.5	Locksway Road / Longshore Way – between Ironbridge Lane and	<b>Data unavailable at time of writing</b>					



	southern boundary of the sports pitches east of the Thatched House Public House	
<b>9.10</b>	Kingsley Road – between Ironbridge Lane and Yeo Court	<b>Data unavailable at time of writing</b>

## PUBLIC TRANSPORT ASSESSMENT

Section	Existing Public Transport Provisions	Impact Description and Significance of Effect
<b>Section 2</b>	No existing public transport facilities	N/A
<b>Section 3</b>	No existing public transport facilities	N/A
<b>Section 4</b>	<p>Bus stops are provided intermittently on the route in this section, routes services 39, 654, The Star 7 and The Star 8.</p> <p>A3 London Road, which is included within this section features dedicated bus lanes on both sides of the carriageway for much of the link.</p>	<p>Temporary bus stop closure may be required in this section. Suitable alternate temporary bus stops will be provided. This is likely to result in a negligible adverse impact upon users.</p> <p>Construction will take place in the bus lanes on the A3 London Road. Consequently, the bus services that utilise these will be instructed to use general purpose lanes. It should be noted that these bus lanes are provided in areas where carriageway with permits and not on the approaches to major junctions. As such their closure, will likely result in a <b>minor adverse</b> effect on journey times and reliability.</p>
<b>Section 5</b>	There are two bus stops in place in this section of the route, one of A2030 Havant Road and one on the A2030 Eastern Road. These stops serve routes 21, 22, 23 and 621.	Temporary bus stop closure may be required in this section. Suitable alternate temporary bus stops will be provided. This is likely to result in a <b>negligible adverse</b> effect upon users.
<b>Section 6</b>	Bus stops are provided intermittently on the route in this section, serving routes 21 and 621.	Temporary bus stop closure may be required in this section. Suitable alternate temporary bus stops will be

		provided. This is likely to result in a <b>negligible adverse</b> effect upon users.
<b>Section 7</b>	There are two bus stops along this section of the route, on the A2030 Eastern Road. These serve routes 21 and 621.	Temporary bus stop closure may be required in this section. Suitable alternate temporary bus stops will be provided. This is likely to result in a <b>negligible adverse</b> effect upon users.
<b>Section 8</b>	There are bus stops in place in this section on the southernmost section of A2030 Eastern Road and intermittently on Moorings Way. These stops serve route 13.	Temporary bus stop closure may be required in this section. Suitable alternate temporary bus stops will be provided. This is likely to result in a <b>negligible adverse</b> effect upon users.
<b>Section 9</b>	<p>There are bus stops in place in this section intermittently on A288 Milton Road, which serve routes 2, 2A and 17. There are also bus stops in place on Moorings Way, Furze Lane and Locksway Road, which serve route 13. Bransbury Road also features intermittent bus stops, serving routes 15 and 16.</p> <p>Featured within this section is a dedicated bus only link between the southern termination of Moorings Way and the northern termination of Furze Lane.</p>	<p>Temporary bus stop closure may be required in this section. Suitable alternate temporary bus stops will be provided. This is likely to result in a <b>negligible adverse</b> effect upon users.</p> <p>Construction will require a full closure of the Moorings Way to Furze Lane Bus Link. As such buses which utilise this link will be required to divert via the A288 Milton Road. This will likely result in a <b>major adverse</b> effect on journey length, reliability, and accessibility to services for users of bus stops on Mooring Way, Furze Lane and Locksway Road.</p>
<b>Section 10</b>	There is one bus stops in place on the Cable Corridor in this section, located on Henderson Road. This stop serves routes 15 and 16.	Temporary bus stop closure may be required in this section. Suitable alternate temporary bus stops will be provided. This is likely to result in a <b>negligible adverse</b> impact upon users.

## TRAFFIC DELAY MITIGATION AND RESIDUAL IMPACTS

Link	Description	Significance of Effect before Mitigation	Proposed Mitigation	Residual Effects
3.1	Anmore Lane – between Soake Road and Broadway Lane	Major to Moderate Adverse	Gated access will be provided to affected properties as works progress, alongside a signed diversion.	<b>Moderate Adverse</b>
3.2	Martin Avenue – between Hambledon Road and Anmore Lane	Major Adverse	Schedule outside of school term times. Signed Diversion via adjacent roads. Minor increases in journey length and duration.	<b>Minor Adverse</b>
3.3	Mill Road	Major to Moderate Adverse	Gated access will be provided to affected properties as works progress, alongside a signed diversion.	<b>Moderate Adverse</b>
3.4	B2150 Hambledon Road – between Anmore Road and Forest Road	Major Adverse	Traffic Management. Potential for weekend or off-carriageway works. Limited suitable alternative routes for traffic to divert onto. Night working unlikely due to proximity of residential dwellings.	<b>Major Adverse</b>
3.5	B2150 Hambledon Road – between Forest Road and Soake Road	Major to Moderate Adverse	Traffic Management. Potential for weekend or night works or off-carriageway works. Limited suitable alternative routes for traffic to divert onto.	<b>Major to Moderate Adverse</b>

3.7	Anmore Road – between the B2150 Hambledon Road and Edney’s Lane	Major to Moderate Adverse	Traffic management and provision of suitable diversion routes.	<b>Moderate Adverse</b>
4.1	B2150 Hambledon Road – between Soake Road and Milton Road	Moderate Adverse	Traffic Management. Potential for weekend or off-carriageway works. Limited suitable alternative routes for traffic to divert onto. Night working unlikely due to proximity of residential dwellings.	<b>Moderate to Minor Adverse</b>
4.2	B2150 Hambledon Road – between Milton Road and A3 Maurepas Way	Major to Moderate Adverse	Traffic Management and night works. Potential to restrict right turn movements to / from Wellington Retail Park out to minimise delays.	<b>Moderate Adverse</b>
4.3	A3 Maurepas Way – between B2150 Hambledon Road and A3 London Road	Major to Moderate Adverse	Traffic Management. Potential for weekend of night works. Lane closures on offside lanes to retain access to Fire Station and ASDA Supermarket.	<b>Moderate Adverse</b>
4.5	A3 London Road – between A3 Maurepas Way and Ladybridge Road	Moderate Adverse	Traffic Management. Scheduling sections that involve shuttle working during school holidays or weekends.	<b>Moderate to Minor Adverse</b>
4.9	B2177 Portsdown Hill Road – between A3 London Road and Farlington Avenue	Moderate Adverse	Traffic Management. Scheduling during school holidays or weekends to minimise delays	<b>Moderate to Minor Adverse</b>

5.1	Farlington Avenue – between Burnham Road and Havant Road	Major Adverse	Schedule outside of school term times. Signed Diversion. Presence of traffic calming measures suggest the Local Highway Authority is trying to discourage through traffic. Lack of suitable alternative routes without a significant increase in journey times. Potential for vehicle “rat-running” temporary traffic calming measures on routes vulnerable to this.	<b>Major Adverse</b>
5.2	Havant Road / A2030 Havant Road – between Farlington Avenue and Waterworks Road	Major to Moderate Adverse	Traffic Management. Any lane closures / road closures should be scheduled during school holidays or weekends. Night working unlikely due to proximity of residential dwellings.	<b>Major to Moderate Adverse</b>
5.6	Eveleigh Road – between Farlington Avenue and Galt Road	Major Adverse	Schedule outside of school term times. Scheduling road closure outside of school term time. Not a major through route. Minor increase in journey times.	<b>Minor Adverse</b>
5.7	B2177 Portsdown Hill Road between Farlington Avenue and Farlington Water Works	Major Adverse	Traffic Management. Any lane closures should be scheduled during school holidays or weekends. Night working unlikely due to proximity of residential dwellings.	<b>Major to Moderate Adverse</b>
6.1	A2030 Eastern Road – between northern boundary of Zetland Field and Fitzherbert Road	Major to Moderate Adverse	Traffic Management. Limited ability to avoid traffic delay owing to the length of the link and spatial constraints.	<b>Major to Moderate Adverse</b>

<b>6.3</b>	Fitzherbert Road – between A2030 Eastern Road and Sainsbury’s / B&M Access Road	Major Adverse	Night or weekend works. Scheduling to avoid key shopping periods such as Black Friday, Christmas and the Easter Weekend. Traffic Management.	<b>Minor Adverse</b>
<b>7.2</b>	A2030 Eastern Road – between A27 Havant Bypass and Anchorage Road	Major Adverse	Traffic Management. Schedule outside of football season. Explore potential for night works, weekend works and / or off-carriageway works. Strategic link into Portsmouth – limited ability to mitigate.	<b>Major Adverse</b>
<b>7.3</b>	A2030 Eastern Road – between Anchorage Road and Airport Service Road	Major Adverse	Traffic Management. Schedule outside of football. Explore potential for night works, weekend works and / or off-carriageway works. Strategic link into Portsmouth – limited ability to mitigate.	<b>Major Adverse</b>
<b>8.1</b>	A2030 Eastern Road – between Airport Service Road and Burrfields Road	Major Adverse	Traffic Management. Schedule outside of football season. Explore potential for night works, weekend works and / or off-carriageway works. Strategic link into Portsmouth – limited ability to mitigate.	<b>Major Adverse</b>
<b>8.2</b>	A2030 Eastern Road – between Burrfields Road and Tangier Road	Major Adverse	Traffic Management. Schedule outside of football season. Explore potential for night works, weekend works and / or off-carriageway works. Strategic link into Portsmouth – limited ability to mitigate.	<b>Major Adverse</b>

8.3	A2030 Eastern Road – between Tangier Road and A2030 Velder Avenue	Major to Moderate Adverse	Traffic Management. Schedule outside of football season. Explore potential for night works, weekend works and / or off-carriageway works. Strategic link into Portsmouth – limited ability to mitigate.	<b>Major to Moderate Adverse</b>
8.4	A2030 Velder Avenue – between A2030 Eastern Road and A288 Milton Road	Major Adverse	Traffic Management. Schedule outside of football season. Explore potential for night works, weekend works and / or off-carriageway works. Strategic link into Portsmouth – limited ability to mitigate. Junction with A288 is a known bottleneck.	<b>Major Adverse</b>
8.5	Moorings Way – entire road up to Sanderling Road	Major to Moderate Adverse	Traffic management. Potential to schedule during school holidays. Not a major through route.	<b>Minor Adverse</b>
9.1	A288 Milton Road / A288 Eastney Road – between A2030 Velder Avenue and Bransbury Road	Major Adverse	Traffic Management. Schedule outside of football season. Strategic link – limited ability to mitigate. Junction with A2030 is a known bottleneck.	<b>Major Adverse</b>
9.3	Moorings Way to Furze Lane Bus Link	Major to Moderate Adverse	Could be mitigated by temporarily splitting bus service 13 into two separate services or diverting route. Otherwise limited ability to mitigate unless able to negotiate an arrangement with the University of Portsmouth to use the internal access road of their now defunct Langstone Campus.	<b>Moderate Adverse</b>



9.4	Furze Lane – between Bus Link and Locksway Road	Moderate Adverse	Traffic Management. No through road. University student village is now closed.	<b>Negligible Adverse</b>
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## PEDESTRIAN AND CYCLE AMENITY MITIGATION AND RESIDUAL IMPACTS

Link	Description	Significance of Effect before Mitigation	Proposed Mitigation	Residual Effects
3.4	B2150 Hambledon Road between Anmore Road and Forest Road	Moderate Adverse	Traffic Management. Cycle facilities are intermittent.	<b>Negligible</b>
4.2	B2150 Hambledon Road – between Milton Road and A3 Maurepas Way	Moderate Adverse	Temporary signal controlled crossing facilities.	<b>Minor Adverse</b>
4.3	A3 Maurepas Way – between B2150 Hambledon Road and A3 London Road	Major to Moderate Adverse	Temporary signal controlled crossing facilities and signed diversion. Limited ability to mitigate impact on desire lines.	<b>Major to Moderate Adverse</b>
5.2	Havant Road / A2030 Havant Road – between Farlington Avenue and Waterworks Road	Major to Moderate Adverse	Temporary signal controlled crossing facilities and signed diversion. Limited ability to mitigate impact on desire lines.	<b>Major to Moderate Adverse</b>
6.2	A2030 Eastern Road – between Fitzherbert Road and the access junction to Farlington Playing Fields	Major to Moderate Adverse	Temporary signal controlled crossing facilities and signed diversion. Limited ability to mitigate impact on desire lines.	<b>Major to Moderate Adverse</b>

7.2	A2030 Eastern Road – between the A27 Havant Bypass and Anchorage Road	Major to Moderate Adverse	Temporary signal controlled crossing facilities and signed diversion. Limited ability to mitigate impact on desire lines.	<b>Major to Moderate Adverse</b>
8.3	A2030 Eastern Road – between Tangier Road and the A2030 Velder Avenue	Major to Moderate Adverse	Temporary signal controlled crossing facilities and signed diversion. Limited ability to mitigate impact on desire lines.	<b>Major to Moderate Adverse</b>
8.4	A2030 Velder Avenue – between A2030 Eastern Road and A288 Milton Road	Major to Moderate Adverse	Temporary signal controlled crossing facilities and signed diversion. Limited ability to mitigate impact on desire lines.	<b>Major to Moderate Adverse</b>
9.4	Moorings Way to Furze Lane Bus Link	Major to Moderate Adverse	Diversion for cyclists on NCN 22 will offer a shorter route. Pedestrians, particularly those living in the immediate vicinity, are likely to be worst affected by the full road closure.	<b>Moderate Adverse</b>

## FEAR AND INTIMIDATION MITIGATION AND RESIDUAL IMPACTS

Link	Description	Fear and Intimation Rating	Proposed Mitigation	Residual Effects
4.2	B2150 Hambledon Road - between Milton Road and A3 Maurepas Way	Increases from Medium to Large	Embedded with the Construction Traffic Management Plan, measures will ensure construction traffic movements are scheduled to avoid sensitive times such as school arrival or departure periods.	<b>Large</b>
4.3	A3 Maurepas Way – between B2150 Hambledon Road and A3 London Road	Increases from Small to Medium	Provision of pedestrian safety barriers, and adequate separation from live traffic / the construction zone as per guidance stipulated in Chapter 8 of the Traffic Signs Manual. This will include Temporary Lower Speed Limits and signal controlled crossing facilities. Where there is a crossover between construction vehicles exiting the site, NMUs will be given priority and clearly defined signs will be in place. However, where possible temporary pedestrian routes will be provided that avoid such conflict.	<b>Medium</b>
7.2	A2030 Eastern Road – between the A27 Havant Bypass and Anchorage Road	Large		<b>Large</b>
7.3	A2030 Eastern Road – between Anchorage Road and Airport Service Road	Large		<b>Large</b>
8.1	A2030 Eastern Road – between Airport Service Road and Burrfields Road	Large		<b>Large</b>