

APPENDIX 21.3

| Effect | Receptor and importance | Nature of Effect | Significance | Mitigation & Enhancement Measures | Residual Significance | Cumulative Effect | Significance (and Nature) of Cumulative Effect | Explanation |
|---|--|--|--------------------------------|-----------------------------------|--------------------------------|-------------------|--|--|
| Construction Phase | | | | | | | | |
| Loss of land at Wigg Island used for the shooting club | Community Resources High Importance | Permanent High Magnitude Long Term Direct | High Negative Significance | - | High Negative Significance | None | - | There are no proposed developments that will impose on land designated for Community Resources |
| Loss of land at Wigg Island Community Park | Community Resources High Importance | Temporary High Magnitude Long Term Direct | High Negative Significance | - | High Negative Significance | | | |
| Loss of land at St Michael's Golf Course. | Greenspace High Importance | Permanent High Magnitude Long Term Direct | High Negative Significance | - | High Negative Significance | None | - | There are no proposed developments that will impose on land designated as Greenspace |
| Loss of a small compound of land south of the Garston to Timperley Rail Freight Line. | Greenspace Low Importance | Permanent High Magnitude Long Term Direct | Moderate Negative Significance | - | Moderate Negative Significance | | | |
| Loss of land designated as greenspace. | Greenspace Low Importance | Permanent High Magnitude | Low Negative Significance | - | Low Negative Significance | | | |

| Effect | Receptor and importance | Nature of Effect | Significance | Mitigation & Enhancement Measures | Residual Significance | Cumulative Effect | Significance (and Nature) of Cumulative Effect | Explanation |
|--|--|---|--------------------------------|--|--------------------------------|-------------------|--|--|
| | | Long Term Direct | | | | | | |
| Loss of saltmarsh at Astmoor and Widnes. | Greenspace Low Importance | Temporary High Magnitude Long Term Direct | Moderate Negative Significance | Translocation of saltmarsh turfs during construction. | Moderate Negative Significance | | | |
| Severance of potential greenways. | Greenspace Moderate Importance | Temporary Neutral Magnitude Short Term Direct | Low Negative Significance | Provide/Implement diversions/alternative routes during construction. | Low Negative Significance | | | |
| Loss and segregation of land for designated green belt at Wigg Island. | Green Belt High Importance | Permanent High Magnitude Long Term Direct | High Negative Significance | - | High Negative Significance | None | - | There are no proposed developments that will impose on land designated as Green Belt |
| Loss of commercial/industrial land. | Commercial/Industrial Land High Importance | Permanent High Magnitude Long Term Direct | High Negative Significance | - | High Negative Significance | None | - | Developments 2 and 3 would be located on Commercial/Industrial Land. However as these developments are commercial and industrial themselves, there is considered to be no cumulative effect. |
| Loss of saltmarsh for construction access and | Agricultural Land Low Importance | Temporary High Magnitude Short Term | Moderate Negative Significance | Translocation of saltmarsh turfs during construction. | Moderate Negative Significance | None | - | There are no proposed developments that will impose on land designated as |

| Effect | Receptor and importance | Nature of Effect | Significance | Mitigation & Enhancement Measures | Residual Significance | Cumulative Effect | Significance (and Nature) of Cumulative Effect | Explanation |
|---|--------------------------------|--|--------------------------------|--|--------------------------------|--|---|---|
| construction activities. | | Direct | | | | | | Agricultural. |
| Loss of land used for horse grazing. | Agricultural Land | Permanent High Magnitude Long Term Direct | Moderate Negative Significance | - | Moderate Negative Significant | | | |
| Modifications to existing road infrastructure. | Infrastructure High Importance | Permanent Neutral Magnitude Long Term Direct | Low Positive Significance | - | Low Positive Significance | None | - | None of the proposed developments propose changes to infrastructure other than new access junctions. These effects are not considered significant therefore there are no cumulative effects. |
| Modifications to the SJB and Widnes De-Linking. | Infrastructure High Importance | Permanent Low Magnitude Long Term Direct | Moderate Positive Significance | - | Moderate Positive Significance | | | |
| Severance of PRoW across the Borough. | Infrastructure High Importance | Temporary Moderate Magnitude Short Term Direct | Low Negative Significance | Provide/implement diversions/alternative routes during construction. | Low Negative Significance | Severance and Disruption to PRoWs across the Borough | Moderate Negative (Temporary, Short Term, Direct) | Development 1, 2, 3, 4, 5 and 10 all have the potential to effect the on-road or the segregated cycleway network due to their locations directly on, or close to one of these cycleways. The nature of disruption to any particular cycleway is difficult to determine, and will depend upon exact development boundaries and the |

| Effect | Receptor and importance | Nature of Effect | Significance | Mitigation & Enhancement Measures | Residual Significance | Cumulative Effect | Significance (and Nature) of Cumulative Effect | Explanation |
|--|--------------------------------|--|--------------------------------|---|--------------------------------|-------------------|--|--|
| | | | | | | | | length and nature of construction periods. However, there is the potential for negative cumulative effects of low significance on the cycle network in Widnes and Runcorn. |
| Loss and severance of foreshores at Widnes Warth and Wigg Island | Infrastructure Low Importance | Temporary High Magnitude Short Term Direct | Moderate Negative Significance | Provide/implementation diversions/alternative routes during construction. | Moderate Negative Significance | None | - | There are no proposed developments that will impose on these PRoW and ARoW. |
| Loss of assumed rights of way on St Michael's Golf Course, Lodge Lane and Astmoor Industrial Estate. | Infrastructure High Importance | Permanent High Magnitude Short Term Direct | Low Negative Significance | - | Low Negative Significance | | | |
| Loss and severance of assumed rights of way at Wigg Island LNR. | Infrastructure High Importance | Temporary High Magnitude Short Term Direct | Low Negative Significance | - | Low Negative Significance | | | |
| Loss of land uses in Southern | Development Land High | Permanent High Magnitude | High Positive Significance | - | High Positive Significance | None | - | Development 2 is the only proposed development located |

| Effect | Receptor and importance | Nature of Effect | Significance | Mitigation & Enhancement Measures | Residual Significance | Cumulative Effect | Significance (and Nature) of Cumulative Effect | Explanation |
|---|--|---|----------------------------|---|--------------------------------|-------------------|--|--|
| Widnes, Central Widnes and Widnes Waterfront Regeneration Action Areas. | Importance | Long Term Direct | | | | | | within the Regeneration Action Areas. However as this development is a regeneration project itself there will be no cumulative effect on development land. |
| Loss of land at Ditton/Speke Road and Rocksavage, Clifton. | Development Land Moderate Importance | Permanent Moderate Magnitude Long Term Direct | High Negative Significance | - | High Negative Significance | | | |
| Operational Phase | | | | | | | | |
| Loss of land at Wigg Island used for the shooting club | Community Resources High Importance | Permanent High Magnitude Long Term Direct | High Negative Significance | - | High Negative Significance | None | - | There are no proposed developments that will impose on land designated for Community Resources |
| Loss of land at St Michael's Golf Course. | Greenspace High Importance | Permanent High Magnitude Long Term Direct | High Positive Significance | - | High Positive Significance | None | - | There are no proposed developments that will impose on land designated as Greenspace |
| Loss of land used for commercial/industrial use. | Commercial/Industrial Land High Importance | Permanent High Magnitude Long Term Direct | High Negative Significance | Utilise area of redundant highway from de-linking processes to provide additional areas for the potential | Moderate Negative Significance | None | - | Developments 2 and 3 would be located on Commercial/Industrial Land. However as these developments are commercial and industrial themselves, there is considered to be no cumulative effect. |

| Effect | Receptor and importance | Nature of Effect | Significance | Mitigation & Enhancement Measures | Residual Significance | Cumulative Effect | Significance (and Nature) of Cumulative Effect | Explanation |
|---|-------------------------------------|--|--------------------------------------|--|--------------------------------------|-------------------|--|--|
| | | | | development of commercial/industrial land. Utilise land under Astmoor viaducts for development of commercial/industrial use. | | | | |
| Loss of land used for horse grazing. | Agricultural Land Low Importance | Permanent High Magnitude Long Term Direct | Moderate Negative Significance | - | Moderate Negative Significance | None | - | There are no proposed developments that will impose on land designated as Agricultural. |
| Land made available from SJB and Widnes de-linking. | Infrastructure High Importance | Permanent High Magnitude Long Term Direct | High Positive Significance | Utilise area of redundant highway to provide additional areas for commercial/industrial use. | High Positive Significance | None | - | There are no proposed developments this land use. However the Council propose in the future, to de-link the SJB in Runcorn and to reprioritise roads near the SJB. This proposal forms part of a separate proposal, and so is not a direct result of the Project. However, without the development of the Project, the SJB will continue to be heavily |

| Effect | Receptor and importance | Nature of Effect | Significance | Mitigation & Enhancement Measures | Residual Significance | Cumulative Effect | Significance (and Nature) of Cumulative Effect | Explanation |
|--|--------------------------------|--|---------------------------|-----------------------------------|---------------------------|-------------------|--|---|
| | | | | | | | | over-used, and therefore, de-linking could not effectively occur. The benefits of de-linking in Runcorn will be assessed under a separate application. However, in land use terms enhanced land use change is expected (see Chapter 9: Land Use). |
| Modifications to PRoW as a result of the Project. | Infrastructure High Importance | Permanent Low Magnitude Long Term Direct | Low Positive Significance | - | Low Positive Significance | None | - | There are no proposed developments that will impose on these PRoW and ARoW. |
| Loss of assumed rights of way at St Michael's Golf Course, Lodge Lane and Astmoor Industrial Estate. | Infrastructure High Importance | Permanent Neutral Magnitude Long Term Direct | Low Negative Significance | - | Low Negative Significance | | | |
| Re-establishment of assumed rights of way on Spike Island, Wigg Island | Infrastructure High Importance | Permanent Neutral Magnitude Long Term Direct | Low Negative Significance | - | Low Negative Significance | None | - | There are no proposed developments that will impose on these PRoW and ARoW. |

| Effect | Receptor and importance | Nature of Effect | Significance | Mitigation & Enhancement Measures | Residual Significance | Cumulative Effect | Significance (and Nature) of Cumulative Effect | Explanation |
|----------------------------------|-------------------------|------------------|--------------|-----------------------------------|-----------------------|-------------------|--|-------------|
| LNR and A533 Central Expressway. | | | | | | | | |

Table 21.3. Cumulative effects relating to Land Use arising from the Project