



West Winch Housing Access Road Transport Assessment TA: Appendix 9

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Document Reference: NCC/4.01.09

Version Number: 001

Date: December 2023



Contents

1	Construction Traffic Data	3
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Tables

Table 1-1 Construction Materials Imported and Exported Off-Site and Associated Vehicle Movements	7
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Figures

Figure 1-1 Typical HGV Flows Per Hour	4
Figure 1-2 LGV+Car Staff Arrivals AM Peak Hour	5
Figure 1-3 LGV+Car Staff Departures PM Peak Hour.....	6



1 Construction Traffic Data

- 1.1.1 This appendix contains the construction assumptions that have been used to inform the Transport Assessment. In advance of the appointment of a Principal Contractor to construct the scheme, constructability assumptions have been made on a feasible scenario for construction traffic routing based on materials and their available sources, sites for disposal of surplus arisings and also construction staff and LGV movements to and from the site.
- 1.1.2 The materials list was derived from the bill of quantities used to inform the Outline Business Case. The earthworks elements are considered to reflect the peak period for construction traffic impact purposes. Hence the traffic loadings on the network are calculated from imported fill and surplus arisings that are assumed to be unsuitable for re-use on site.
- 1.1.3 This appendix contains the materials list and conversion to HGV movements and traffic flow diagrams showing assumed routing of HGVs, LGVs and Staff during a typical peak hour on a neutral weekday within the first earthworks season which is assumed to occur in April to September 2025.



Figure 1-1 Typical HGV Flows Per Hour

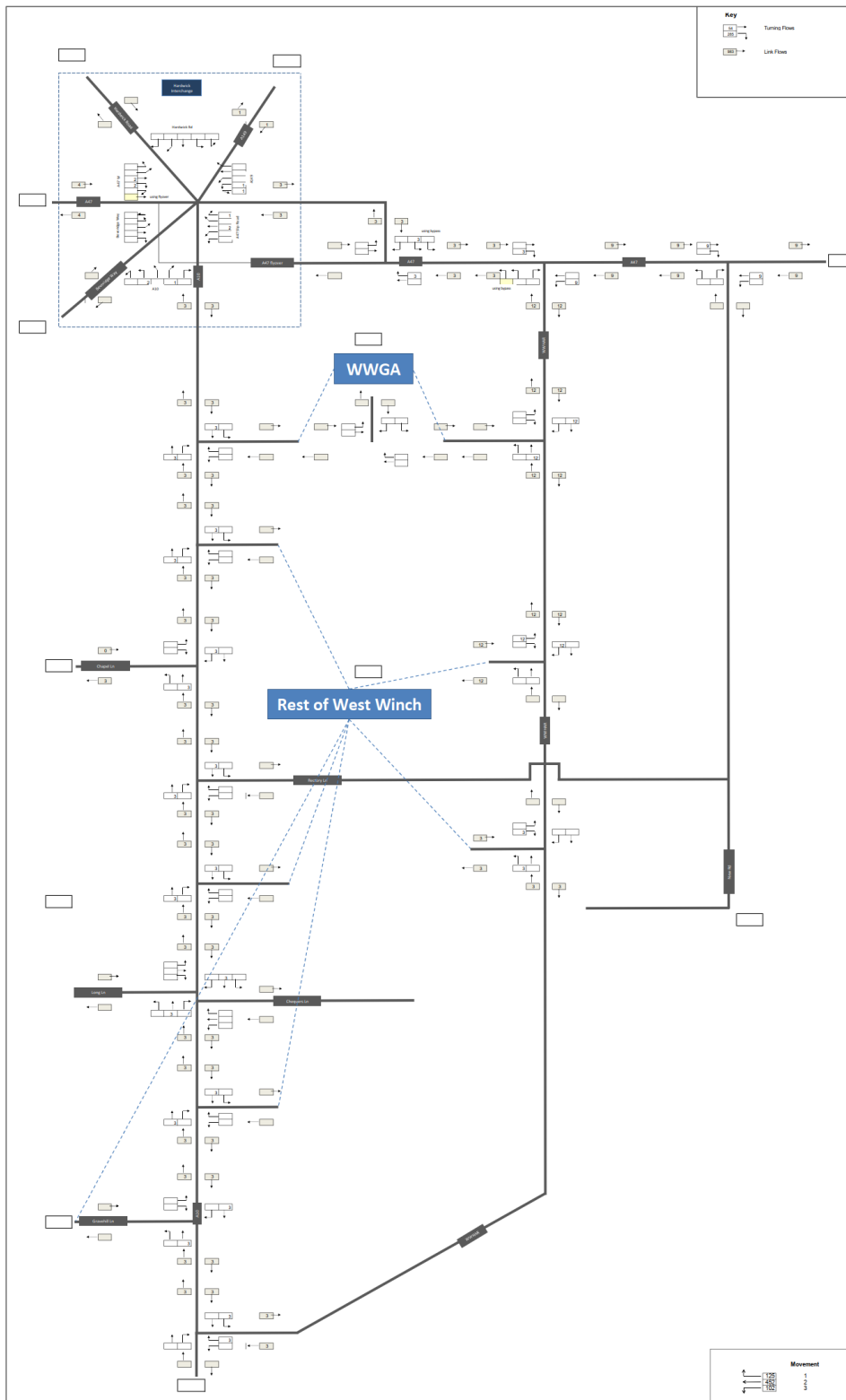




Figure 1-2 LGV+Car Staff Arrivals AM Peak Hour

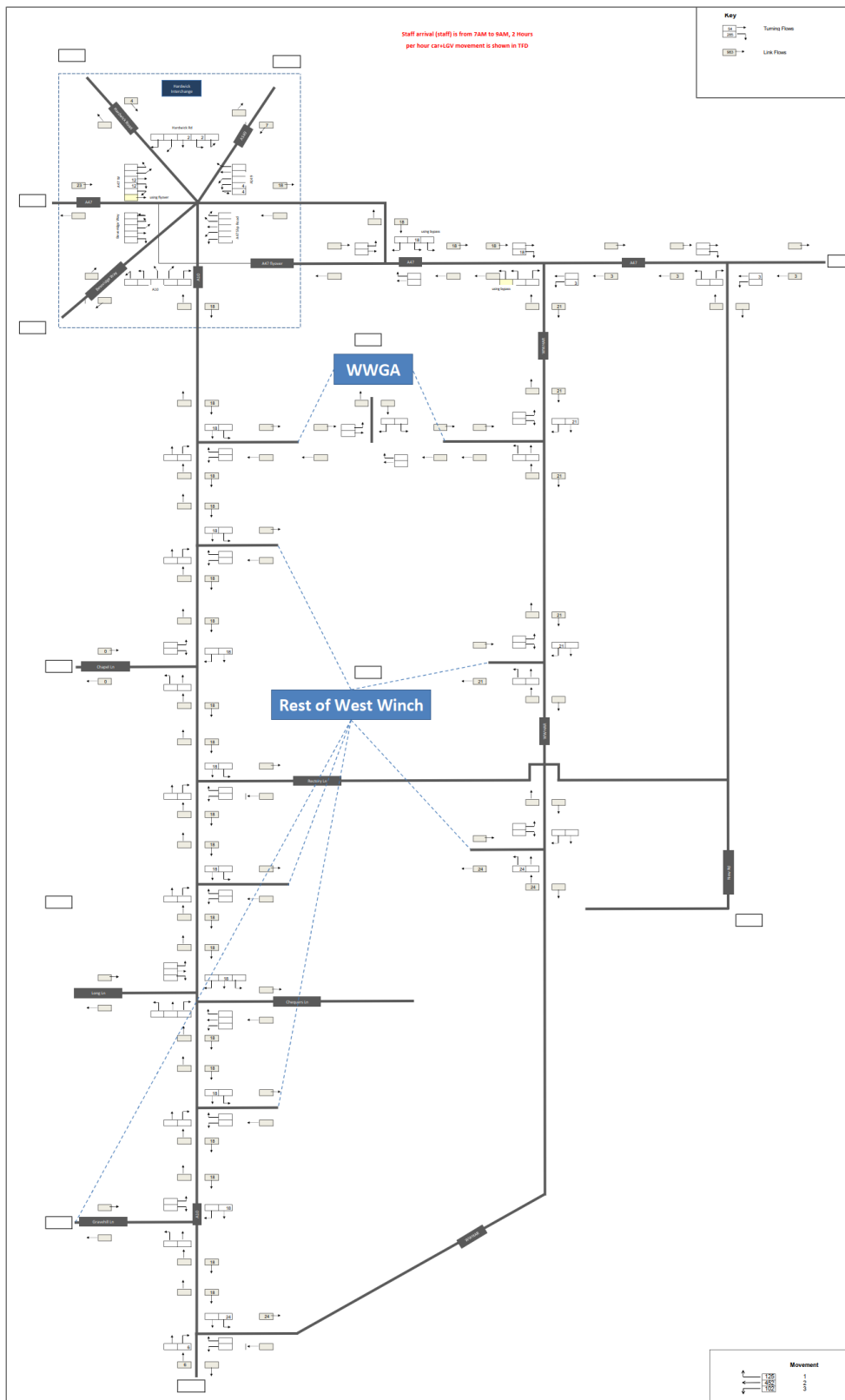




Figure 1-3 LGV+Car Staff Departures PM Peak Hour

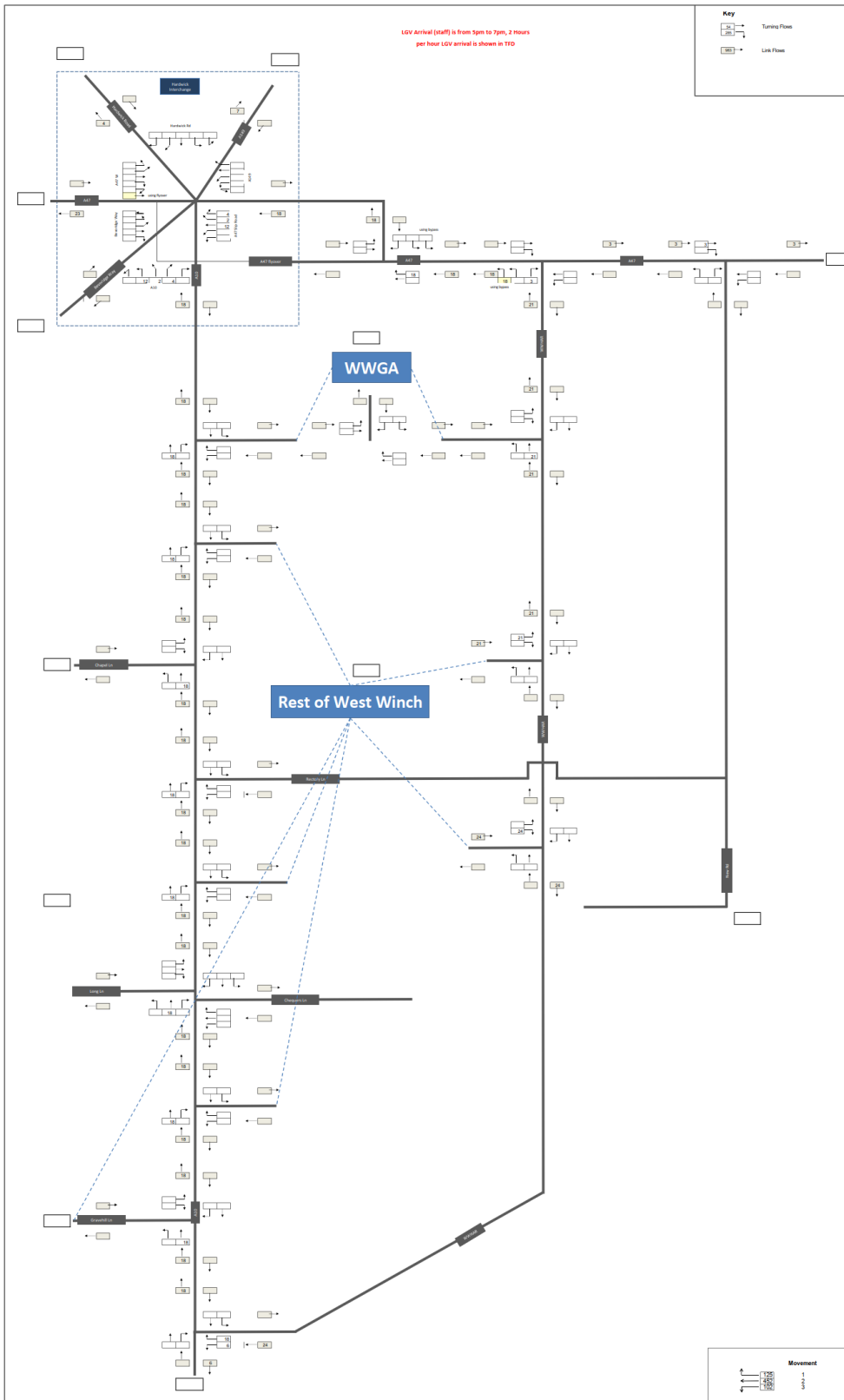


Table 1-1 Construction Materials Imported and Exported Off-Site and Associated Vehicle Movements

Item	Quantity (Tonnes)	Source/Disposal Route	One-way Trips	Average One-way Trips per Day	Average One-way Trips per hour
Aggregate - Base	1709.1	import from A149 corridor	86	2	1
Aggregate - Other	339.5	import from A149 corridor	17	1	1
Aggregate - Subbase	46226.4	Import from A47W	2312	36	4
Aggregate - Capping	26220	Import from A47E	1311	20	2
well-graded stone, clean-crushed concrete,	537.7	import from A149 corridor	27	1	1
Aggregate - Base	908.0	import from A149 corridor	46	1	1
Aggregate - Subbase	246.8	Import from A47W	13	1	1
Aggregate - Capping	88.8	Import from A47E	5	1	1
Earthwork cut	6375.0	export to A47E	319	5	1
Disposal of unacceptable material	31.1	Cold milling materials (A47E)	2	1	1
Earthwork disposal	10000.0	Disposal of unacceptable materials (A47E)	500	8	1
Earthwork Cut - remove off site	10000.0	On site excavation (A47E)	500	8	1
Earthwork fill - class 6N for bridge	20516.7	Import fill materials class 6N from A47E	1026	16	2
Earthwork cut	53779.5	export to A47E	2689	21	3
All Peak Earthworks Activities	offsite	Total	8853	122	21