

Appendix C – Construction Logistics Planning Tool



CONSTRUCTION LOGISTICS PLANNING TOOL

REFERENCE INFORMATION

Version: v 3.0
Last Updated: 06/07/17

Completed by:
Shortcut:

Stace LLP on Behalf of National Trust

[CLICK FOR SHORTCUT TO TOOL](#)

PURPOSE OF TOOL

The purpose of the Tool is to help improve the creation and evaluation of CLPs by providing a number of standardised outputs. These graphical and tabular outputs provide detailed information to be used within a CLP from typical input data. The tool will help logistics managers feed reliable and relevant information into the CLP assisting them with creating this documentation.

HOW TO USE CLP TOOL

Data should only be input into the blue boxes available:

[DATA INPUT](#)

Use the  button at the top of the sheet to expand columns for further data entry where required. The remainder of the sheet will populate accordingly based on the data input into the tool.

Choosing Buildings or Infrastructure will update the names of the phases only. The spreadsheet functions the same no matter which is chosen.

Ensure that Macros are enabled for the spreadsheet. For further information on how to use the excel based tool refer to the CLP Guidance Documentation.



CONSTRUCTION LOGISTICS PLANNING TOOL (INPUTS)

USER INPUTS

Development name:	Castlefield Viaduct, Manchester
Landowner:	National Trust
Principal contractor:	TBC
Site address:	National Grid Reference SJ 83013 97624
Site postcode:	
Consolidation centre postcode:	
Type of project:	Infrastructure
Type of construction:	Renovation of existing building
State of current site:	Structures to be retained
Number of working days per month:	20

Gross floor area (sqm)	Use of land											Total
	Residential	A1 Retail	A3 Retail	A5 Retail	B1 Office	B2 General industry	B8 Storage and distribution	D1 Residential institutions	D2 Leisure	Hotel	Other	
New/additional floor area								136				136
Refurbished floor area												0
Total	0	0	0	0	0	0	0	136	0	0		136

Construction phase	Schedule (mm/yyyy)	
	Start month	End month
Site establishment, clearance & alterations	Mar-2022	Mar-2022
Excavation and foundations	Apr-2022	Apr-2022
Sub-structure	Apr-2022	May-2022
Super-structure	May-2022	May-2022
Services & systems installation	Jun-2022	Jun-2022
Fit-out, testing and commissioning	Jun-2022	Jun-2022

[illegible]

Construction phase	Vehicle type		
	≤ 3.5t	3.5t - 7.5t	≥ 7.5t
Site establishment, clearance & alterations	50%	50%	
Excavation and foundations	50%	50%	
Sub-structure	30%	70%	
Super-structure	30%	70%	
Services & systems installation	80%	20%	
Fit-out, testing and commissioning	90%	10%	

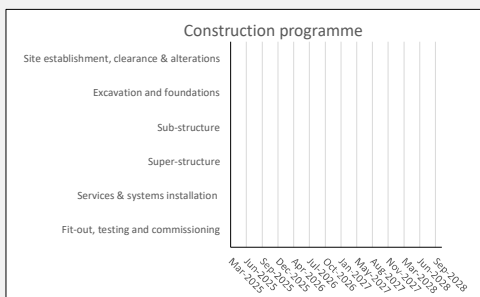
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EXPECTED NUMBER OF VEHICLES

Construction phase	No. of vehicles in peak month (Apr-2022)			Total
	≤ 3.5t	3.5t - 7.5t	≥ 7.5t	
Site establishment, clearance & alterations	0	0	0	0
Excavation and foundations	20	20	0	40
Sub-structure	12	28	0	40
Super-structure	0	0	0	0
Services & systems installation	0	0	0	0
Fit-out, testing and commissioning	0	0	0	0
Total	32	48	0	80

Construction phase	Vehicle type in peak of individual construction phase			Total
	≤ 3.5t	3.5t - 7.5t	≥ 7.5t	
Site establishment, clearance & alterations	10	10	0	20
Excavation and foundations	40	40	0	80
Sub-structure	24	56	0	80
Super-structure	24	56	0	80
Services & systems installation	32	8	0	40
Fit-out, testing and commissioning	36	4	0	40

CONSTRUCTION PROGRAMME OVERVIEW



EXPECTED SCHEDULE OF VEHICLES

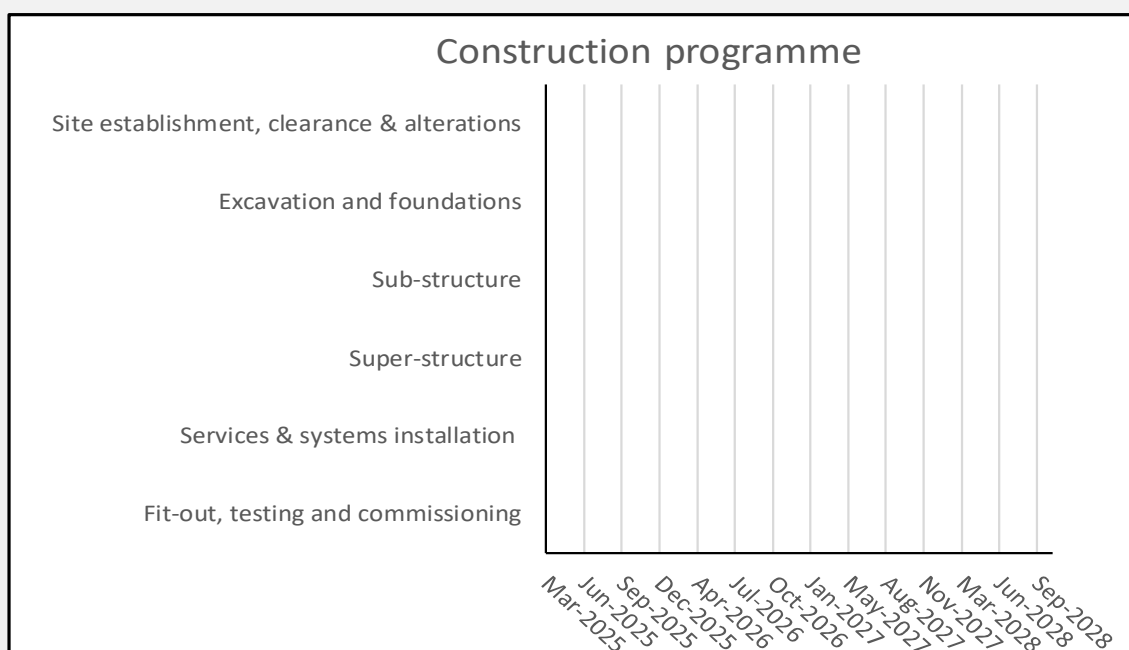
Construction phase	Number of vehicles	In peak month (Apr-20)	Avg daily tot	Hourly																					
				00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00
Site establishment, clearance & alterations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excavation and foundations	40	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-structure	40	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Super-structure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Services & systems installation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fit-out, testing and commissioning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	80	4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0

[illegible]



CONSTRUCTION PROGRAMME OVERVIEW

Construction phase	Start	End
Site establishment, clearance & alterations	Mar-2022	Mar-2022
Excavation and foundations	Apr-2022	Apr-2022
Sub-structure	Apr-2022	May-2022
Super-structure	May-2022	May-2022
Services & systems installation	Jun-2022	Jun-2022
Fit-out, testing and commissioning	Jun-2022	Jun-2022



NO. OF VEHICLES IN PEAK PHASE (EX. OTHER PHASES)

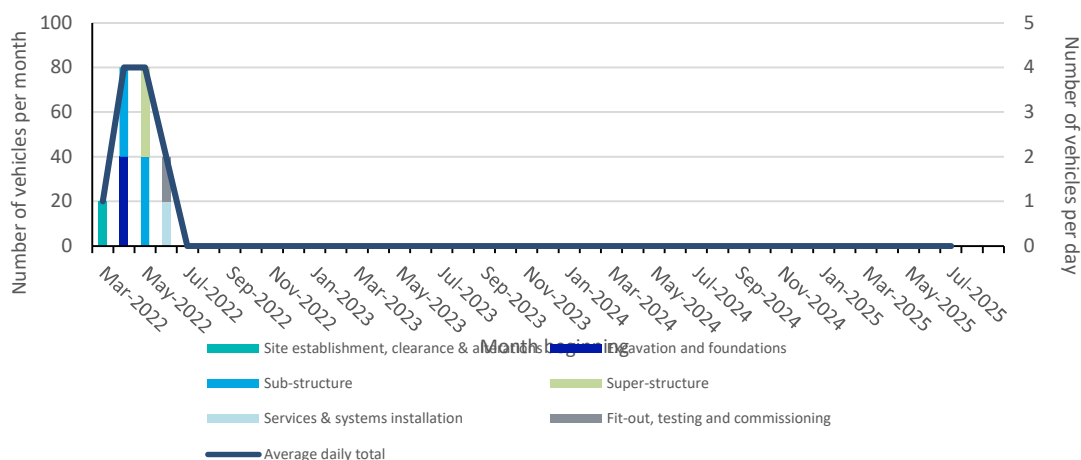
Construction phase	Period of stage	No. of trips (monthly)	Peak no. of trips (daily)
Site establishment, clearance & alterations	Q1 2022 - Q1 2022	20	1
Excavation and foundations	Q2 2022 - Q2 2022	40	2
Sub-structure	Q2 2022 - Q2 2022	40	2
Super-structure	Q2 2022 - Q2 2022	40	2
Services & systems installation	Q2 2022 - Q2 2022	20	1
Fit-out, testing and commissioning	Q2 2022 - Q2 2022	20	1
Peak period of construction	Q2 2022 - Q2 2022	80	4

NO. OF VEHICLES IN PEAK PHASE (INC. POSSIBLE OVERLAP OF SUBSEQUENT PHASES)

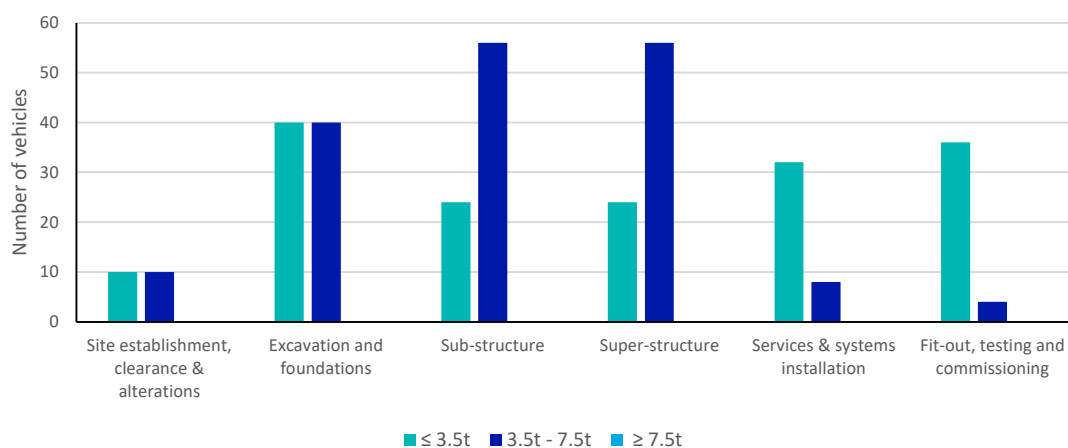
Construction phase	Period of stage	No. of trips (monthly)	Peak no. of trips (daily)
Site establishment, clearance & alterations	Q1 2022 - Q1 2022	20	1
Excavation and foundations	Q2 2022 - Q2 2022	80	4
Sub-structure	Q2 2022 - Q2 2022	80	4
Super-structure	Q2 2022 - Q2 2022	80	4
Services & systems installation	Q2 2022 - Q2 2022	40	2
Fit-out, testing and commissioning	Q2 2022 - Q2 2022	40	2



Total number of vehicles through construction programme



Number of vehicles by types during peak of phase



Number of vehicles in peak month (Apr-2022)

