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**Freight
Opportunities
Stage 2 Part 3 –
Available Space
Assessment –
ISO Container
Routes**

Final

A report from Laser Rail Limited
to the Rail Safety and Standards
Board for the Provision of
Consultancy Services



Rail Safety & Standards Board

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This is available, from the RSSB website, as a separate MS Excel file.

Executive Summary

This document forms Part 3 of a three-part report which details the findings of the RSSB research project entitled 'Freight Opportunities'. The aim of Part 3 is to present the findings of the final deliverable of Stage 2 of the freight opportunities research: the identification of available space on existing or proposed new ISO container carrying routes.

This follows on from the report reference Stage 2: Part 2, entitled 'Available Space Assessment - European Container Routes', and expands on the Stage 2: Part 1 report entitled 'W-Gauge Key Restrictive Structures', by including containers that are compliant with the W10 and W12 (issue 2) gauges.

The compliance of the defined ISO containers with the W10 and W12 (issue 2) gauges was verified.

W10 containers were found to be compliant with the static gauge. As with the European container analysis, the IJA container is not compliant with the W12 gauge due to the significantly higher bed height of 1081mm above rail level.

The W10 and W12 (issue 2) compliant containers were dynamically assessed against the predefined ISO routes. The analysis identified 1,530 structures with substandard clearances for W10 compliant containers (4.6%) and 2,107 structures with substandard clearances for W12 (issue 2) compliant containers (6.3%) - out of a total of 33,556 structures.

The 2,107 restrictive W12 (issue 2) structures were assessed to define the maximum static container height that would achieve 0mm, 50mm or 100mm structural clearance for the 13 separate container types.

The report concludes that the analysis has improved the understanding of acceptable container sizes for individual container types. This should lead to an increase in the usability of the available space on the defined ISO routes by an improvement in the routing of individual containers.

1 Introduction

A research project has been initiated to investigate and review freight traffic opportunities across the UK rail network. The work for this project was conducted by Laser Rail for the Rail Safety and Standards Board (RSSB) with consultation from the Vehicle / Structures System Interface Committee (V/S SIC). The project is divided into two stages as follows:-

- Stage 1 was a review of the initial consultation with the V/S SIC and the agreement of core routes to be analysed, together with the production of a costed project plan for the study into zero / low cost improvements to the network^[1]. The key output of Stage 1 was the definition of core and diversionary routes for European and ISO compliant wagon / container combinations. These routes are shown graphically in Appendices I and J in the report for part 1.
- Stage 2 includes the identification of key restrictive structures on individual routes and the calculation of the available space that may result in an increase in the gauge capacity of the route.

This document presents the results of the final part of the Stage 2 deliverable; namely the identification of available space on existing or proposed new ISO container carrying routes.

2 Definitions

The following key terms are used within this report:

- ISO Containers. International standard for height, width and length of rail containers. Used for deep-sea and intra-European shipments on container ships. Containers up to 2.9m high with widths of 2.438m or 2.500m
- European Containers. Swap body containers constructed to European (CEN) standards. Primarily used for road and rail shipment within Europe. Containers up to 3.3m high with widths of 2.500m, 2.550m or 2.600m^[2]
- 'W' Gauge. A set of static gauges that defines the physical size of freight vehicles. Gauges include W6A, W7, W8 and W9. The gauges are defined in the railway guidance note GE/GN8573^[3]
- European Routes. A set of 18 authorised rail routes (11 core and 7 diversionary) within the UK that are used for, or it is proposed that they be used for, the transportation of European containers. The routes were defined in Stage 1 of this project by a review of RT3973 EXL forms (authority for exceptional loads)
- ISO Routes. A set of 30 authorised rail routes (19 core and 11 diversionary) within the UK that are used for, or it is proposed that they be used for, the transportation of ISO containers. The routes were defined in Stage 1 of this project with a review of RT3973 EXL forms (authority for exceptional loads)

3 Methodology

The third deliverable of Stage 2 was to identify the available space within the key restrictive structures on the core and diversionary ISO routes identified in Stage 2 Part 1. This follows on from the work presented in report Stage 2: Part 2, identifying the available space within the key restrictive structures on core and diversionary European routes identified within report.

The list of key restrictive structures includes those which have substandard clearances to the W10 and W12 (issue 2) suite of vehicle gauges. W11 gauge was not analysed within this research, as it was not a published gauge at the commencement of this project.

The core and diversionary routes were defined for analysis purposes and do not necessarily represent actual routes travelled. In total there are 30 ISO routes (19 core and 11 diversionary). For reporting purposes, the routes were split into sections denoted by the separate Engineers Line References (ELR's) on the route (See Appendix B for route descriptions).

The analysis was based upon infrastructure data within the National Gauging Database (NGD) dated 19th March 2007 ^[4]. This data is in the form of single track cross sectional profiles that define the relationship between the track and adjacent structures.

The dynamic analysis of container / wagon combinations identified in Stage 1 was performed by HyperRouteTM. Only container / wagon combinations available as ClearRoute[®] models were analysed. Excluded from the analysis due to an absence of a ClearRoute[®] model were the KQA, KAA and KHA container / wagon combinations.

It was assumed that the container / wagon combinations under consideration already conform to the dimensions set out in the lower sector structure gauge. Therefore, only structural clearances above 1100mm above rail level were assessed.

The analysis does not consider sixfoot dimensions on the identified routes. Whilst passing clearances are an issue for all rail vehicles, it is not a dominant constraint as the focus of investigation is on vehicle height as opposed to increased vehicle width.

The identified restrictive structures for containers compliant to the W6a, W7, W8, W9, W10 and W12 (issue 2) gauges were individually assessed to determine the maximum container height that could be accommodated with respect to the type of clearance set out in GC/RT5212 Requirements for Defining and Maintaining Clearances.

The maximum available height for each container was defined at a width of 2438mm and 2500mm. The values include any vehicle build tolerances applied to a specific container type.

The analysis was performed using a function within the HyperRouteTM vehicle template software that was specifically developed for this project. The function produces a worst-case static template from the chosen structure profiles for each individual vehicle type. The static templates were reduced in size in accordance with the clearance category required. An example of the output from the vehicle template software is illustrated in Figure 1. The worst-case static template for the chosen structure profiles is yellow and the calculated static container is black.

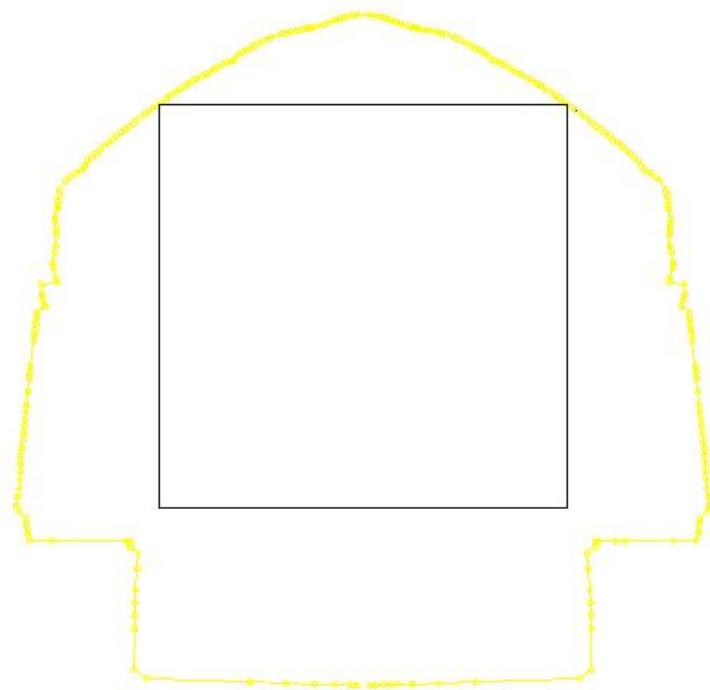


Figure 1: Example of the output of the HyperRouteTM vehicle template software

3.1 Dynamic analysis settings

The results defined in this report are based upon the dynamic analysis of container / wagon combinations. These results are affected by the analysis settings applied.

3.1.1 Track Tolerances

The following values for low track fixity, defined by RGS GC/RT5212 [5] were used in the analysis:

- Track Alignment 25mm
- Cross Level Error 10mm
- Track Lift 15mm
- Track Lower 10mm

3.1.2 HyperRoute™ Tolerances

The following settings were applied within HyperRoute™:

- Sidewear tolerances were not included;
- Ageing of infrastructure data was not applied;
- Survey method tolerance was not applied; and
- Transitions were not analysed

The HyperRoute™ tolerances used in this analysis provide the most optimistic assessment of the available space by removing the effect of the age of the structure data and the method of data collection.

3.1.3 Vehicle Tolerances

The container / wagon combinations were analysed with a flange to rail clearance of 8mm and a flange wear value of 3mm.

The container / wagon combinations were analysed at the line speed defined in the structure file, unless this value is higher than the maximum speed of the vehicle. In this instance, the maximum speed of the vehicle was used.

In HyperRoute™, the vehicle speed at a location is not restricted in order to comply with a maximum defined value of cant deficiency, as is the case with ClearRoute®. The analysis was performed at the cant deficiency calculated from the installed cant and radius defined within the structure profile and the maximum attainable vehicle speed at that location.

3.1.4 Substandard Clearances

Upper sector substandard clearances (above 1100mm above rail level) were defined as being less than 100mm between the structure profile and the dynamic swept envelope of the container / wagon combinations.

Substandard clearances are classed as ‘Reduced’ clearances from 50mm to 99mm, ‘Special Reduced’ clearances from 1mm to 49mm and ‘Foul’ for 0mm or below.

4 Results

The results of the key restrictive structures dynamic analysis were split into two elements: Container / wagon combinations analysed and the substandard structures identified for each set of ‘W’ gauge compliant container types for the defined routes.

4.1 W-Gauge Comparison

Figure 2 provides a graphical comparison of the static W gauges considered in this research project. It can be seen that the W12 (issue 2) gauge defines the largest possible container size at heights above 3000mm above rail level. Between 1100mm and 3000mm W8 defines the maximum container width. Note that W10 is a set of dynamic vehicles and not a static gauge, which is reflected in the small static envelope size as shown below.

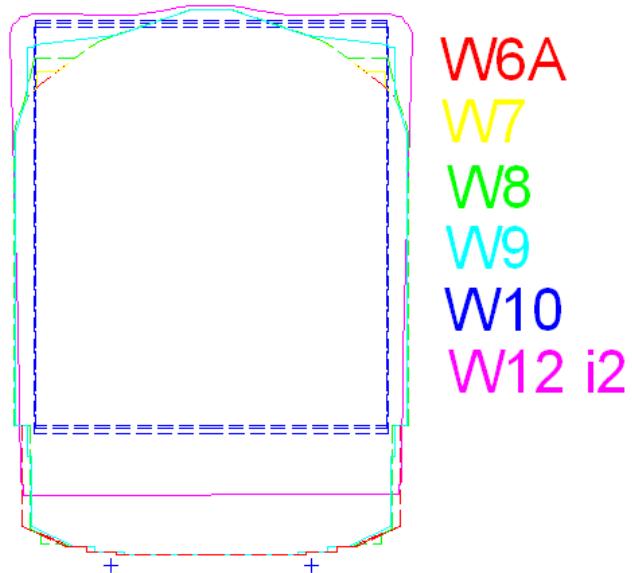


Figure 2: W gauge comparison

4.2 Freight Containers Analysed

From the gauge compliant container / wagon combinations identified in Stage 1 of this research project, the vehicle models available in ClearRoute® were identified. Appendix A defines the ISO Container / wagon combinations analysed for each ‘W’ gauge.

The W6A, W7, W8 and W9 container combinations were assessed in Part 1 of Freight Opportunities Stage 2 – Key Restrictive Structures.

ISO containers on FFA/FGA wagons of dimension 2591x2438mm and 2591x2500mm with a deck height of 1036mm ARL (defined in ClearRoute®) exceed the W8 gauge by 9mm vertically.

For this report, W10 and W12 (issue 2) compliant ISO containers were assessed against their static components to determine compliance.

Figure 3 shows the comparison of the W10 static components (in red) with the defined containers (See Appendix A) (in black). The assessment established that the defined containers were compliant with the W10 gauge.

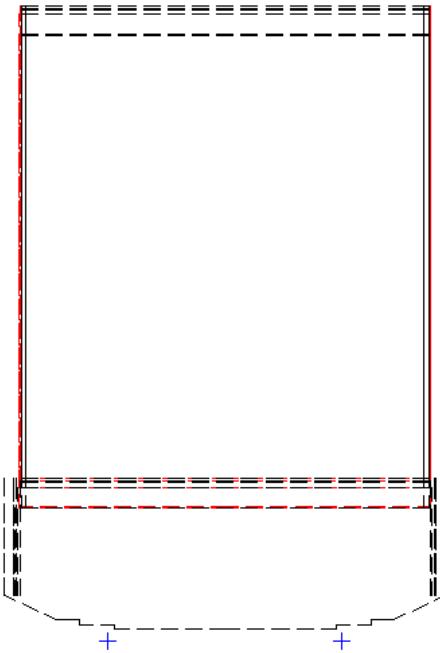


Figure 3: W10 Gauge container comparison

Figure 4 shows the comparison of the W12 (issue 2) static components (in red) with the defined containers (in Black) (See Appendix A). The assessment showed that the 2895mm high container on an IJA wagon with a 1090mm bed height infringes at the top of W12 (issue 2) by 44mm.

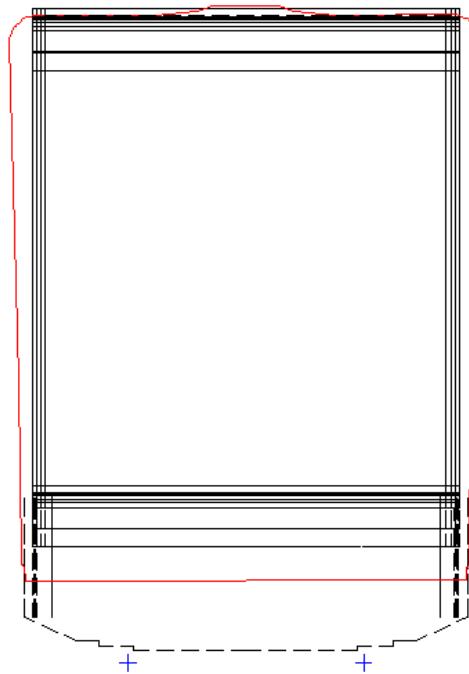


Figure 4: W12 (issue 2) Gauge container comparison

4.3 Restrictive structures

The list of substandard structures identified for the W6A, W7, W8 and W9 static gauges on ISO Routes as presented in Part 1 of Freight Opportunities Stage 2 – Key Restrictive Structures was expanded to include the W10 and W12 (issue 2) gauges.

The expanded list of restrictive single line structures includes a total of 1,530 (4.5%) that are substandard to the W10 gauge and 2,107 (6.3%) to the W12 (issue 2) gauge out of a total of 33,556 structures on the 19 core and 11 diversionary routes.

Table 1 and Table 2 define the number of structures with substandard clearances for each of the core and diversionary routes for the W10 and W12 (issue 2) gauges.

For each of the 2,107 W12 (issue 2) restrictive structures, the maximum static container size was determined that would give a structural clearance of 0mm, 50mm and 100mm for each of the kinematic container types considered (See Appendix A for listing).

The maximum static container height at each of the sub standard structures can be used to determine the safe routing of container freight on the defined ISO routes analysed. The basic requirement is that the container must be W12 (issue 2) compliant and that it achieves an acceptable clearance to the substandard structures it encounters on its defined route. This makes route acceptance a ‘container specific’ process and removes the conservative nature of the smaller W gauges.

Appendix D contains an electronic version of the maximum container heights for the complete substandard structure listing.

W10	Substandard Structure Clearances			
	ISO Route	Reduced	Special Reduced	Foul
Core 01	45	9	5	59
Core 02	16	16	21	53
Core 03	20	18	14	52
Core 04	15	14	43	72
Core 05	23	23	44	90
Core 06	5	4	22	31
Core 07	4	6	10	20
Core 08	6	7	10	23
Core 09	4	6	50	60
Core 10	6	3	15	24
Core 11	1	3	9	13
Core 12	11	6	43	60
Core 13	54	36	54	144
Core 14	22	26	92	140
Core 15	4	3	6	13
Core 16	4	2	0	6
Core 17	0	0	0	0
Core 18	3	5	14	22
Core 19	0	1	2	3
Diversion 01	3	3	17	23
Diversion 02	11	30	103	144
Diversion 03	15	19	160	194
Diversion 04	3	2	2	7
Diversion 05	0	1	45	46
Diversion 06	3	3	47	53
Diversion 07	0	0	0	0
Diversion 08	11	8	7	26
Diversion 09	18	27	80	125
Diversion 10	0	0	0	0
Diversion 11	5	8	14	27
Total	312	289	929	1,530

Table 1: Summary of W10 restrictive structures on ISO routes

W12	Substandard Structure Clearances				
	ISO Route	Reduced	Special Reduced	Foul	Total
Core 01	75	46	30	151	
Core 02	21	15	45	81	
Core 03	49	29	42	120	
Core 04	10	7	68	85	
Core 05	31	26	74	131	
Core 06	6	7	28	41	
Core 07	15	14	17	46	
Core 08	4	3	21	28	
Core 09	9	7	58	74	
Core 10	8	5	18	31	
Core 11	2	1	12	15	
Core 12	15	12	54	81	
Core 13	56	48	111	215	
Core 14	38	26	124	188	
Core 15	14	0	13	27	
Core 16	13	4	3	20	
Core 17	2	0	0	2	
Core 18	0	1	21	22	
Core 19	3	0	3	6	
Diversion 01	7	5	21	33	
Diversion 02	8	14	138	160	
Diversion 03	5	12	187	204	
Diversion 04	1	2	5	8	
Diversion 05	1	1	46	48	
Diversion 06	3	3	52	58	
Diversion 07	7	3	0	10	
Diversion 08	4	5	22	31	
Diversion 09	16	17	116	149	
Diversion 10	0	0	0	0	
Diversion 11	11	7	24	42	
Total	434	320	1,353	2,107	

Table 2: Summary of W12 (issue 2) restrictive structures on ISO routes

4.4 Maximum container heights

The 2,107 W12 (issue 2) structures with substandard clearances were analysed using the HyperRoute vehicle template software to establish the maximum static height that can pass through each structure with 0mm, 50mm and 100mm clearances. There were 13 dynamic container types assessed. This produced 164,346 individual container heights for the 2,107 structures on core and diversionary routes. Note that the heights specified are for the combined container and wagon, with suitable build tolerances. The structure profile with the minimum clearance to the W12 (issue 2) compliant containers was used as the basis for the static template produced.

The maximum container heights above rail level at each structure for each wagon type (e.g. FAA) are provided in an electronic, tabulated format in Appendix D of this report. A summary of the maximum container heights is provided in Table 3, Table 4 and Table 5. There are three separate tables; one for container heights that achieve 0mm clearances, one for 50mm clearances and one for 100mm clearances.

Within each table, container specific heights are specified for the two predefined container widths of 2.438m and 2.500m. It was estimated that the dimensions quoted have a maximum inaccuracy of 20mm (nominally, 0.5% of the heights calculated). The maximum height of the containers defined was capped at a static height of 3992mm. This value is the maximum static height of the W12 (issue 2) gauge which formed the basis of the analysis. The capped values were specified with the text 'W12' in the Appendix D tables. An example of the format of Appendix D is illustrated in Figure 5.

Structure Name	FAA 2438	FAA 2500
Rose Whittle [Bridge No.95]	3,962	3,956

Figure 5: An example of the format of Appendix D, 0mm clearance table

Figure 5 shows that at Rose Whittle Bridge no.95 (down slow line), the maximum height of a 2438mm-wide container on an FAA wagon is 3962mm (3942mm with the 20mm tolerance applied) for a 0mm clearance.

The maximum height decreases to 3956mm (3936mm with the 20mm tolerance applied) for the 2500mm wide version.

Container Route	Core 01	Core 02	Core 03	Core 04	Core 05	Core 06	Core 07	Core 08	Core 09	Core 10	Core 11	Core 12	Core 13	Core 14	Core 15	Core 16	Core 17	Core 18	Core 19	Core Min
FAA 2438	3,475.0	3,738.9	3,623.6	3,679.0	3,638.8	3,610.8	3,687.9	3,711.4	3,578.1	3,670.7	3,591.4	3,509.8	3,624.7	3,624.7	3,816.1	3,981.1	W12	3,742.3	3,768.1	3,475.0
FAA 2500	3,442.8	3,691.6	3,602.4	3,649.1	3,591.2	3,609.0	3,638.1	3,680.2	3,529.9	3,645.1	3,568.8	3,461.0	3,621.5	3,591.2	3,813.4	3,937.6	W12	3,727.2	3,746.5	3,442.8
FCA 2438	3,432.3	3,725.8	3,607.8	3,663.7	3,610.5	3,609.0	3,671.6	3,700.9	3,554.7	3,662.1	3,578.5	3,469.3	3,620.2	3,610.5	3,813.8	3,854.3	W12	3,731.0	3,756.1	3,432.3
FCA 2500	3,365.6	3,679.9	3,586.7	3,634.8	3,564.8	3,598.2	3,620.5	3,670.3	3,510.9	3,627.4	3,555.8	3,425.2	3,618.7	3,564.8	3,807.6	3,779.9	W12	3,712.9	3,733.7	3,365.6
FEA 2438	3,466.0	3,741.2	3,630.5	3,683.8	3,624.7	3,607.7	3,669.9	3,714.5	3,563.2	3,676.0	3,595.5	3,497.7	3,624.0	3,624.0	3,813.0	3,962.6	W12	3,746.8	3,773.4	3,466.0
FEA 2500	3,381.0	3,706.6	3,600.6	3,654.0	3,576.7	3,607.1	3,644.9	3,684.1	3,519.1	3,644.1	3,573.0	3,448.4	3,620.8	3,576.7	3,782.9	3,879.6	W12	3,732.4	3,752.1	3,381.0
FFA/FGA 2438	3,477.2	3,790.8	3,633.6	3,687.9	3,648.1	3,608.9	3,691.2	3,723.2	3,589.1	3,677.8	3,596.4	3,530.1	3,624.2	3,624.2	3,816.1	3,981.1	W12	3,747.8	3,775.1	3,477.2
FFA/FGA 2500	3,468.8	3,731.6	3,610.6	3,657.1	3,599.7	3,608.8	3,655.9	3,692.5	3,537.1	3,654.8	3,573.7	3,481.4	3,623.4	3,589.7	3,813.8	3,970.3	W12	3,731.3	3,755.3	3,468.8
FIA 2438	3,409.5	3,742.2	3,639.2	3,683.3	3,611.1	3,611.3	3,685.5	3,724.4	3,558.4	3,674.4	3,596.9	3,502.8	3,626.5	3,611.1	3,817.6	3,919.1	W12	3,747.8	3,774.9	3,409.5
FIA 2500	3,387.5	3,707.5	3,614.1	3,655.5	3,568.8	3,610.9	3,653.0	3,694.6	3,512.9	3,643.4	3,574.2	3,454.0	3,623.1	3,568.8	3,763.7	3,845.6	W12	3,733.0	3,753.8	3,387.5
FKA 2438	3,408.8	3,738.1	3,637.1	3,676.0	3,601.9	3,611.1	3,685.8	3,717.8	3,554.8	3,667.0	3,596.9	3,494.1	3,626.5	3,601.9	3,817.8	3,913.1	W12	3,747.8	3,775.0	3,408.8
FKA 2500	3,377.7	3,688.8	3,614.2	3,649.6	3,561.5	3,610.7	3,652.7	3,688.0	3,509.9	3,636.7	3,574.2	3,446.0	3,623.8	3,561.5	3,765.7	3,838.7	W12	3,733.2	3,753.9	3,377.7
FLA 2438	3,472.3	3,735.7	3,609.5	3,649.8	3,595.5	3,605.8	3,681.4	3,685.8	3,542.8	3,650.4	3,570.3	3,470.6	3,623.8	3,595.5	3,817.6	3,940.0	W12	3,727.8	3,747.0	3,470.6
FLA 2500	3,354.7	3,685.6	3,564.2	3,620.1	3,546.1	3,588.8	3,620.9	3,654.7	3,499.9	3,610.7	3,547.6	3,420.0	3,619.3	3,546.1	3,795.6	3,860.5	W12	3,713.0	3,724.6	3,354.7
FRA 2438	3,466.0	3,741.2	3,630.5	3,683.8	3,624.7	3,607.7	3,669.9	3,714.5	3,563.2	3,676.0	3,595.5	3,497.7	3,624.0	3,624.0	3,813.0	3,962.6	W12	3,746.8	3,773.4	3,466.0
FRA 2500	3,381.0	3,706.6	3,600.6	3,654.0	3,576.7	3,607.1	3,644.9	3,684.1	3,519.1	3,644.1	3,573.0	3,448.4	3,620.8	3,576.7	3,782.9	3,879.6	W12	3,732.4	3,752.1	3,381.0
FSA/FTA 2438	3,470.2	3,741.1	3,630.3	3,683.6	3,641.2	3,607.3	3,689.9	3,714.5	3,580.3	3,675.8	3,595.4	3,519.1	3,624.0	3,624.0	3,812.9	3,981.8	W12	3,744.7	3,773.3	3,470.2
FSA/FTA 2500	3,454.5	3,716.6	3,607.1	3,653.6	3,594.9	3,607.4	3,646.2	3,684.2	3,533.4	3,650.8	3,572.9	3,471.1	3,620.8	3,594.9	3,811.0	3,917.4	W12	3,732.5	3,752.1	3,454.5
IFA 2438	3,407.9	3,741.9	3,636.9	3,682.0	3,609.9	3,610.1	3,683.9	3,721.3	3,557.1	3,673.0	3,596.6	3,497.6	3,626.5	3,609.9	3,817.6	3,916.0	W12	3,747.5	3,774.5	3,407.9
IFA 2500	3,385.7	3,705.5	3,613.7	3,654.7	3,587.6	3,610.6	3,651.2	3,691.4	3,511.6	3,641.9	3,574.0	3,448.9	3,623.6	3,587.6	3,759.1	3,842.3	W12	3,732.7	3,753.4	3,385.7
IJA 2438	3,409.6	3,710.3	3,635.7	3,678.2	3,586.0	3,612.6	3,666.2	3,708.9	3,531.6	3,665.8	3,600.9	3,455.1	3,628.9	3,586.0	3,732.1	3,830.5	W12	3,753.3	3,780.9	3,409.6
IJA 2500	3,372.6	3,640.9	3,614.7	3,631.6	3,542.2	3,612.5	3,641.1	3,676.8	3,480.1	3,635.1	3,578.3	3,408.8	3,626.3	3,542.2	3,683.9	3,748.5	W12	3,738.8	3,758.3	3,372.6
IIKA 2438	3,408.8	3,737.9	3,637.5	3,676.0	3,602.0	3,611.3	3,685.6	3,717.1	3,554.8	3,667.0	3,596.9	3,493.3	3,626.5	3,602.0	3,817.7	3,913.7	W12	3,747.8	3,775.0	3,408.8
IIKA 2500	3,377.5	3,688.8	3,614.1	3,649.6	3,561.5	3,610.9	3,652.2	3,687.3	3,509.8	3,636.8	3,574.2	3,444.6	3,623.1	3,561.5	3,764.2	3,838.8	W12	3,733.2	3,753.8	3,377.5
KFA 2438	3,477.2	3,790.8	3,633.6	3,687.9	3,648.1	3,608.9	3,691.2	3,723.2	3,589.1	3,677.8	3,596.4	3,530.1	3,624.2	3,624.2	3,816.1	3,999.7	W12	3,747.8	3,775.1	3,477.2
KFA 2500	3,468.8	3,731.6	3,610.6	3,657.1	3,599.7	3,608.8	3,655.9	3,692.5	3,537.1	3,654.8	3,573.7	3,481.4	3,623.4	3,599.7	3,813.8	3,970.3	W12	3,731.3	3,755.3	3,468.8
Route Min	3,545.7	3,640.9	3,564.2	3,620.1	3,542.2	3,588.8	3,620.5	3,654.7	3,480.1	3,610.7	3,547.6	3,408.8	3,618.7	3,542.2	3,663.9	3,748.5	W12	3,712.9	3,724.6	3,354.7
Container Route	Div 01	Div 02	Div 03	Div 04	Div 05	Div 06	Div 07	Div 08	Div 09	Div 10	Div 11	Div Min	Min							
FAA 2438	3,616.0	3,550.5	3,437.1	3,852.7	3,626.5	3,537.7	W12	3,824.1	3,434.1	W12	3,550.0	3,434.1	3,434.1							
FAA 2500	3,583.0	3,531.0	3,390.7	3,810.0	3,608.4	3,516.2	W12	3,801.4	3,397.2	W12	3,549.6	3,390.7	3,390.7							
FCA 2438	3,583.4	3,538.8	3,403.7	3,810.9	3,617.9	3,525.9	W12	3,811.4	3,387.9	W12	3,546.6	3,387.9	3,387.9							
FCA 2500	3,547.7	3,519.3	3,359.9	3,786.4	3,596.5	3,502.6	W12	3,788.4	3,355.1	W12	3,548.1	3,355.1	3,355.1							
FEA 2438	3,617.4	3,555.7	3,427.7	3,843.4	3,632.8	3,543.8	W12	3,829.8	3,436.5	W12	3,548.6	3,427.7	3,427.7							
FEA 2500	3,585.9	3,536.3	3,380.7	3,805.2	3,609.6	3,522.7	W12	3,806.9	3,394.4	W12	3,549.0	3,380.7	3,380.7							
FFA/FGA 2438	3,629.3	3,556.4	3,458.4	3,870.6	3,634.9	3,546.0	W12	3,832.8	3,448.4	W12	3,551.5	3,448.4	3,448.4							
FFA/FGA 2500	3,596.7	3,536.9	3,409.6	3,829.0	3,614.9	3,523.9	W12	3,809.7	3,412.0	W12	3,551.3	3,409.6	3,409.6							
FIA 2438	3,629.3	3,556.3	3,421.3	3,830.1	3,635.9	3,543.7	W12	3,831.0	3,438.0	W12	3,552.7	3,421.3	3,409.5							
FIA 2500	3,597.0	3,536.9	3,380.5	3,811.9	3,616.9	3,523.4	W12	3,808.2	3,399.7	W12	3,551.2	3,380.5	3,380.5							
FKA 2438	3,623.2	3,556.3	3,410.8	3,828.0	3,636.1	3,543.7	W12	3,831.6	3,443.3	W12	3,552.7	3,410.8	3,408.8							
FKA 2500	3,590.2	3,536.8	3,371.4	3,810.3	3,617.2	3,523.4	W12	3,808.7	3,393.5	W12	3,551.2	3,371.4	3,371.4							
FLA 2438	3,584.3	3,532.5	3,399.5	3,807.9	3,611.9	3,514.4	W12	3,800.2	3,397.0	W12	3,547.2	3,397.0	3,397.0							
FLA 2500	3,551.7	3,513.1	3,349.4	3,772.6	3,585.4	3,490.1	W12	3,777.4	3,356.0	W12	3,546.7	3,349.4	3,349.4							
FRA 2438	3,617.4	3,555.7	3,427.7	3,843.4	3,632.8	3,543.8	W12	3,829.8	3,436.5	W12	3,548.6	3,427.7	3,427.7							
FRA 2500	3,585.9	3,536.3	3,380.7	3,805.2	3,609.6	3,522.7	W12	3,806.9	3,394.4	W12	3,549.0	3,380.7	3,380.7							
FSA/FTA 2438	3,619.8	3,555.6	3,442.1	3,861.1	3,632.7	3,542.9	W12	3,829.4	3,441.8	W12	3,548.5	3,441.8	3,441.8							
FSA/FTA 2500	3,587.6	3,536.2	3,398.1	3,813.9	3,614.4	3,522.5	W12	3,806.6	3,405.0	W12	3,549.0	3,398.1	3,398.1							
IFA 2438	3,626.0	3,556.1	3,418.4	3,828.4	3,634.9	3,543.4	W12	3,830.5	3,435.0	W12	3,552.6	3,418.4	3,407.9			</				

Container Route	Core 01	Core 02	Core 03	Core 04	Core 05	Core 06	Core 07	Core 08	Core 09	Core 10	Core 11	Core 12	Core 13	Core 14	Core 15	Core 16	Core 17	Core 18	Core 19	Core Min
FAA 2438	3,342.3	3,646.1	3,562.6	3,610.6	3,550.2	3,561.3	3,592.0	3,641.2	3,488.9	3,606.0	3,530.2	3,416.9	3,575.1	3,550.2	3,766.3	3,875.0	W12	3,687.8	3,707.9	3,342.3
FAA 2500	3,298.9	3,613.8	3,518.6	3,580.0	3,501.4	3,549.6	3,574.1	3,610.1	3,443.9	3,569.7	3,507.6	3,365.8	3,572.1	3,501.4	3,897.9	3,798.6	3,974.7	3,666.4	3,685.5	3,298.9
FCA 2438	3,321.5	3,639.8	3,548.1	3,595.6	3,523.4	3,555.4	3,581.3	3,631.3	3,469.7	3,588.4	3,517.2	3,381.9	3,570.7	3,523.4	3,751.2	3,720.1	3,983.5	3,674.2	3,695.1	3,321.5
FCA 2500	3,280.3	3,582.8	3,513.2	3,565.6	3,478.9	3,530.7	3,565.4	3,599.4	3,422.8	3,552.5	3,494.5	3,332.6	3,569.2	3,478.9	3,652.4	3,637.2	3,961.6	3,658.2	3,672.7	3,280.3
FEA 2438	3,340.9	3,667.6	3,562.2	3,615.6	3,535.6	3,558.0	3,598.9	3,645.1	3,476.4	3,605.5	3,534.3	3,404.7	3,574.2	3,535.6	3,721.1	3,827.1	W12	3,692.5	3,713.4	3,340.9
FEA 2500	3,305.3	3,634.3	3,528.1	3,584.9	3,491.9	3,555.6	3,571.8	3,614.4	3,432.9	3,573.0	3,511.8	3,355.5	3,571.4	3,491.9	3,637.7	3,750.4	3,979.7	3,671.1	3,691.2	3,305.3
FFA/FGA 2438	3,397.1	3,687.2	3,570.5	3,618.1	3,558.8	3,559.3	3,605.1	3,653.6	3,495.0	3,616.2	3,535.0	3,437.8	3,574.6	3,558.8	3,766.3	3,915.5	W12	3,691.8	3,716.9	3,397.1
FFA/FGA 2500	3,315.0	3,638.6	3,536.1	3,590.3	3,509.4	3,559.6	3,577.4	3,622.3	3,451.4	3,579.1	3,512.3	3,386.7	3,573.8	3,509.4	3,724.8	3,843.9	3,980.6	3,673.5	3,692.2	3,315.0
FIA 2438	3,343.2	3,659.1	3,572.9	3,616.9	3,527.1	3,561.6	3,606.0	3,655.6	3,471.5	3,604.7	3,535.5	3,410.4	3,576.8	3,527.1	3,700.7	3,795.5	W12	3,693.3	3,715.1	3,343.2
FIA 2500	3,304.4	3,589.3	3,544.0	3,569.9	3,481.9	3,560.1	3,578.1	3,623.8	3,419.9	3,574.1	3,512.9	3,361.6	3,573.6	3,481.9	3,628.2	3,709.5	3,980.5	3,672.1	3,692.8	3,304.4
FKA 2438	3,334.2	3,630.3	3,573.1	3,606.9	3,519.6	3,561.5	3,606.8	3,649.1	3,469.9	3,598.0	3,535.5	3,402.5	3,576.9	3,519.6	3,702.4	3,787.1	W12	3,693.4	3,715.2	3,334.2
FKA 2500	3,297.0	3,562.5	3,545.9	3,559.5	3,474.0	3,554.7	3,577.9	3,616.5	3,416.0	3,567.1	3,512.9	3,353.8	3,574.1	3,474.0	3,629.9	3,701.0	3,980.7	3,672.1	3,692.9	3,297.0
FLA 2438	3,299.3	3,640.4	3,524.3	3,580.5	3,504.7	3,549.9	3,579.6	3,615.7	3,458.3	3,570.1	3,509.0	3,375.9	3,573.8	3,504.7	3,745.7	3,808.8	3,973.4	3,685.9	3,709.3	3,299.3
FLA 2500	3,273.2	3,597.1	3,506.2	3,551.0	3,462.9	3,520.1	3,558.5	3,584.5	3,411.8	3,538.3	3,486.4	3,325.4	3,569.8	3,462.9	3,654.7	3,728.9	3,955.1	3,657.4	3,663.9	3,273.2
FRA 2438	3,340.9	3,667.6	3,562.2	3,615.6	3,535.6	3,558.0	3,598.9	3,645.1	3,476.4	3,605.5	3,534.3	3,404.7	3,574.2	3,535.6	3,721.1	3,827.1	W12	3,692.5	3,713.4	3,340.9
FRA 2500	3,305.3	3,634.3	3,528.1	3,584.9	3,491.9	3,556.6	3,571.8	3,614.4	3,432.9	3,573.0	3,511.8	3,355.5	3,571.4	3,491.9	3,637.7	3,750.4	3,979.7	3,671.1	3,691.2	3,305.3
FSA/FTA 2438	3,357.5	3,673.1	3,569.0	3,615.0	3,553.7	3,557.7	3,599.0	3,645.2	3,492.4	3,612.2	3,534.3	3,427.4	3,574.2	3,553.7	3,763.3	3,867.1	W12	3,692.3	3,713.3	3,357.5
FSA/FTA 2500	3,304.8	3,634.8	3,527.6	3,585.0	3,505.8	3,553.8	3,578.2	3,614.4	3,447.5	3,573.3	3,511.8	3,376.6	3,571.3	3,505.8	3,680.0	3,784.6	3,979.5	3,670.9	3,691.1	3,304.8
IFA 2438	3,341.5	3,657.7	3,572.2	3,615.7	3,525.8	3,560.6	3,603.6	3,652.4	3,470.3	3,603.2	3,535.3	3,404.7	3,576.7	3,525.8	3,696.7	3,791.7	W12	3,693.0	3,714.8	3,341.5
IFA 2500	3,302.7	3,587.9	3,539.2	3,568.1	3,480.6	3,559.3	3,576.7	3,620.4	3,418.6	3,572.7	3,512.7	3,356.8	3,574.0	3,480.6	3,624.2	3,706.0	3,980.2	3,671.8	3,694.2	3,302.7
IJA 2438	3,334.1	3,590.9	3,574.9	3,588.3	3,501.3	3,562.9	3,602.3	3,637.8	3,437.3	3,595.7	3,539.7	3,366.6	3,579.4	3,501.3	3,815.4	3,696.7	W12	3,700.2	3,719.9	3,334.1
IJA 2500	3,302.9	3,502.9	3,381.8	3,547.2	3,264.9	3,526.4	3,570.4	3,606.7	3,387.9	3,560.3	3,517.2	3,326.7	3,576.4	3,454.4	3,560.2	3,815.6	3,985.2	3,683.1	3,698.0	3,264.9
IKA 2438	3,334.2	3,630.3	3,572.9	3,606.9	3,519.6	3,561.6	3,606.0	3,648.3	3,469.9	3,598.0	3,535.5	3,401.1	3,576.8	3,519.6	3,701.2	3,788.5	W12	3,693.4	3,715.2	3,334.2
IKA 2500	3,296.9	3,562.5	3,544.0	3,559.5	3,473.9	3,554.4	3,577.6	3,615.7	3,416.0	3,567.1	3,512.9	3,352.4	3,573.6	3,473.9	3,628.8	3,702.6	3,980.6	3,672.1	3,692.9	3,296.9
KFA 2438	3,397.1	3,687.2	3,570.5	3,618.1	3,558.8	3,593.3	3,605.1	3,653.6	3,495.0	3,616.2	3,535.0	3,437.8	3,574.6	3,558.8	3,766.3	3,915.5	W12	3,691.8	3,716.9	3,397.1
KFA 2500	3,315.0	3,638.6	3,536.1	3,590.3	3,509.4	3,559.6	3,577.4	3,622.3	3,451.4	3,579.1	3,512.3	3,386.7	3,573.8	3,509.4	3,724.8	3,843.9	3,980.6	3,673.5	3,692.2	3,315.0
Route Min	3,273.2	3,502.9	3,381.8	3,547.2	3,264.9	3,520.1	3,558.5	3,584.5	3,387.9	3,538.3	3,486.4	3,325.4	3,569.2	3,454.4	3,560.2	3,615.6	3,955.1	3,657.4	3,663.9	3,264.9
Container Route	Div 01	Div 02	Div 03	Div 04	Div 05	Div 06	Div 07	Div 08	Div 09	Div 10	Div 11	Div Min	Min							
FAA 2438	3,543.9	3,492.2	3,348.1	3,771.0	3,569.8	3,477.7	W12	3,762.8	3,357.7	W12	3,500.5	3,348.1	3,342.3							
FAA 2500	3,510.8	3,472.7	3,301.5	3,733.5	3,535.0	3,453.0	W12	3,747.1	3,315.7	W12	3,500.1	3,301.5	3,298.9							
FCA 2438	3,507.8	3,480.4	3,319.3	3,747.4	3,557.0	3,464.1	3,960.9	3,749.8	3,314.8	W12	3,497.1	3,314.8	3,314.8							
FCA 2500	3,475.4	3,460.9	3,327.0	3,713.6	3,521.6	3,439.2	3,919.3	3,726.8	3,267.6	W12	3,496.7	3,267.6	3,267.6							
FEA 2438	3,546.9	3,497.4	3,340.0	3,765.8	3,571.0	3,484.2	W12	3,768.3	3,353.9	W12	3,499.1	3,340.0	3,340.0							
FEA 2500	3,510.2	3,478.0	3,295.1	3,737.4	3,543.1	3,459.2	3,974.6	3,745.4	3,320.3	W12	3,499.5	3,295.1	3,295.1							
FFA/FGA 2438	3,557.5	3,497.9	3,369.1	3,783.6	3,576.1	3,485.3	W12	3,771.1	3,371.3	W12	3,502.0	3,369.1	3,369.1							
FFA/FGA 2500	3,524.4	3,478.4	3,318.3	3,747.7	3,554.3	3,461.1	W12	3,748.0	3,333.4	W12	3,501.8	3,318.3	3,315.0							
FIA 2438	3,557.3	3,498.0	3,340.0	3,773.3	3,577.5	3,484.9	W12	3,769.6	3,360.7	W12	3,503.1	3,340.0	3,340.0							
FIA 2500	3,521.0	3,478.5	3,291.2	3,742.8	3,549.8	3,461.3	3,949.9	3,746.8	3,325.4	W12	3,501.7	3,291.2	3,291.2							
FKA 2438	3,550.5	3,498.0	3,328.5	3,771.6	3,577.9	3,484.9	3,972.4	3,770.1	3,354.9	W12	3,503.1	3,328.5	3,328.5							
FKA 2500	3,514.1	3,478.5	3,280.3	3,740.4	3,550.4	3,461.3	3,942.2	3,747.4	3,319.4	W12	3,501.7	3,280.3	3,280.3							
FLA 2438	3,512.6	3,474.2	3,308.2	3,730.6	3,545.4	3,451.5	W12	3,738.8	3,315.0	W12	3,497.8	3,308.2	3,299.3							
FLA 2500	3,477.7	3,454.8	3,266.1	3,707.4	3,512.0	3,428.2	3,951.1	3,716.0	3,278.9	W12	3,497.3	3,266.1	3,266.1							
FRA 2438	3,546.9	3,497.4	3,340.0	3,765.8	3,571.0	3,484.2	W12	3,768.3	3,353.9	W12	3,499.1	3,340.0	3,340.0							
FRA 2500	3,510.2	3,478.0	3,295.1	3,737.4	3,543.1	3,459.2	3,974.6	3,745.4	3,320.3	W12	3,499.5	3,295.1	3,295.1							
FSA/FTA 2438	3,548.4	3,497.3	3,355.7	3,774.8	3,575.3	3,484.1	W12	3,767.9	3,364.4	W12	3,499.0	3,355.7	3,355.7							
FSA/FTA 2500	3,515.7	3,477.9	3,308.2	3,738.3	3,544.4	3,459.2	3,991.9	3,745.1	3,322.											

Container Route	Core 01	Core 02	Core 03	Core 04	Core 05	Core 06	Core 07	Core 08	Core 09	Core 10	Core 11	Core 12	Core 13	Core 14	Core 15	Core 16	Core 17	Core 18	Core 19	Core Min
FAA 2438	3,259.3	3,574.5	3,479.5	3,540.3	3,459.3	3,510.0	3,533.0	3,570.3	3,399.8	3,528.7	3,468.4	3,320.5	3,524.9	3,459.3	3,633.4	3,743.9	3,935.2	3,626.2	3,646.5	3,259.3
FAA 2500	3,230.2	3,530.0	3,460.9	3,510.8	3,414.0	3,479.9	3,493.8	3,538.5	3,355.5	3,496.9	3,445.7	3,269.3	3,522.2	3,414.0	3,558.2	3,654.4	3,916.3	3,614.3	3,624.9	3,230.2
FCA 2438	3,239.4	3,526.1	3,474.1	3,510.1	3,434.6	3,491.2	3,523.6	3,559.3	3,378.9	3,512.9	3,455.3	3,288.2	3,520.6	3,434.6	3,603.4	3,584.0	3,922.3	3,615.4	3,633.6	3,239.4
FCA 2500	3,205.0	3,440.7	3,449.7	3,462.6	3,234.8	3,462.3	3,481.9	3,524.9	3,326.5	3,481.0	3,432.6	3,241.2	3,513.2	3,389.5	3,526.4	3,475.8	3,904.4	3,604.9	3,611.2	3,205.0
FEA 2438	3,265.8	3,574.3	3,488.1	3,544.9	3,447.8	3,508.9	3,532.5	3,574.4	3,384.3	3,533.1	3,472.5	3,310.8	3,523.8	3,447.8	3,582.4	3,686.8	3,940.0	3,631.0	3,652.1	3,265.8
FEA 2500	3,232.5	3,502.2	3,468.3	3,495.8	3,402.3	3,486.3	3,501.0	3,540.2	3,333.2	3,501.0	3,450.0	3,262.5	3,521.3	3,402.3	3,515.0	3,602.7	3,921.3	3,616.9	3,629.9	3,232.5
FFAFGA 2438	3,270.1	3,598.9	3,492.4	3,549.6	3,467.8	3,510.3	3,536.4	3,582.6	3,407.4	3,537.3	3,473.1	3,341.4	3,524.6	3,467.8	3,661.5	3,790.6	3,941.1	3,634.0	3,653.3	3,270.1
FFAFGA 2500	3,244.7	3,565.6	3,467.4	3,518.6	3,423.4	3,490.4	3,506.2	3,551.3	3,362.9	3,505.0	3,450.4	3,290.3	3,523.7	3,423.4	3,576.4	3,701.0	3,921.6	3,616.6	3,632.7	3,244.7
FIA 2438	3,263.7	3,532.1	3,498.8	3,524.9	3,439.8	3,511.5	3,538.6	3,583.6	3,375.6	3,534.5	3,473.6	3,317.2	3,526.6	3,439.8	3,571.3	3,646.8	3,940.9	3,632.1	3,653.6	3,263.7
FIA 2500	3,231.6	3,441.1	3,318.7	3,481.6	3,001.7	3,490.5	3,507.6	3,550.0	3,325.0	3,497.3	3,450.9	3,271.1	3,522.4	3,390.7	3,515.8	3,572.4	3,922.1	3,618.5	3,631.3	3,001.7
FKA 2438	3,257.2	3,501.7	3,500.3	3,514.8	3,431.7	3,511.3	3,538.5	3,576.4	3,371.6	3,526.5	3,473.6	3,309.4	3,526.7	3,431.7	3,572.7	3,640.8	3,940.9	3,632.1	3,653.6	3,257.2
FKA 2500	3,225.5	3,412.8	3,308.0	3,470.3	3,001.9	3,488.7	3,496.3	3,542.9	3,320.5	3,489.8	3,451.0	3,265.0	3,504.9	3,383.0	3,517.0	3,560.8	3,922.1	3,618.5	3,631.3	3,001.9
FLA 2438	3,229.5	3,549.0	3,466.9	3,506.5	3,419.7	3,480.6	3,511.0	3,544.8	3,370.1	3,498.6	3,447.1	3,280.7	3,523.2	3,419.7	3,590.4	3,668.5	3,915.3	3,617.9	3,624.8	3,229.5
FLA 2500	3,190.5	3,473.5	3,441.1	3,453.2	3,371.3	3,450.8	3,475.3	3,511.0	3,314.1	3,466.5	3,424.3	3,230.3	3,519.8	3,371.3	3,516.4	3,577.1	3,897.9	3,600.4	3,603.6	3,190.5
FRA 2438	3,265.8	3,574.3	3,488.1	3,544.9	3,447.8	3,508.9	3,532.5	3,574.4	3,384.3	3,533.1	3,472.5	3,310.8	3,523.8	3,447.8	3,582.4	3,686.8	3,940.0	3,631.0	3,652.1	3,265.8
FRA 2500	3,232.5	3,502.2	3,468.3	3,495.8	3,402.3	3,486.3	3,501.0	3,540.2	3,333.2	3,501.0	3,450.0	3,262.5	3,521.3	3,402.3	3,515.0	3,602.7	3,921.3	3,616.9	3,629.9	3,232.5
FSAFTA 2438	3,265.1	3,595.1	3,487.9	3,544.9	3,463.8	3,508.6	3,537.2	3,574.7	3,403.5	3,533.6	3,472.6	3,331.5	3,523.8	3,463.8	3,621.9	3,730.3	3,939.8	3,630.8	3,651.9	3,265.1
FSAFTA 2500	3,237.1	3,543.7	3,468.1	3,516.0	3,419.0	3,484.4	3,501.3	3,543.3	3,355.5	3,501.5	3,450.0	3,280.8	3,521.3	3,419.0	3,548.3	3,639.0	3,921.2	3,616.8	3,629.7	3,237.1
IFA 2438	3,262.1	3,530.4	3,495.8	3,523.3	3,438.4	3,511.6	3,537.4	3,580.2	3,374.3	3,533.1	3,473.4	3,312.4	3,526.6	3,438.4	3,568.1	3,643.8	3,940.5	3,631.8	3,653.2	3,262.1
IFA 2500	3,229.8	3,439.6	3,317.5	3,480.0	3,001.7	3,489.5	3,506.0	3,546.8	3,323.8	3,496.1	3,450.7	3,266.9	3,520.5	3,388.4	3,512.9	3,588.4	3,921.8	3,618.2	3,630.9	3,001.7
IJA 2438	3,263.4	3,445.2	3,340.1	3,505.1	3,001.9	3,512.7	3,514.4	3,565.9	3,343.7	3,520.7	3,478.0	3,285.6	3,520.7	3,413.9	3,503.0	3,544.1	3,946.0	3,643.1	3,658.6	3,001.9
IJA 2500	3,232.2	3,365.6	3,316.5	3,454.5	3,001.9	3,491.7	3,437.1	3,533.8	3,298.1	3,476.2	3,455.3	3,247.3	3,448.1	3,368.7	3,365.1	3,448.3	3,922.3	3,627.4	3,636.4	3,001.9
IKA 2438	3,257.1	3,501.7	3,498.8	3,514.8	3,431.7	3,511.5	3,538.2	3,575.6	3,371.6	3,526.7	3,473.6	3,308.0	3,526.6	3,431.7	3,571.9	3,641.7	3,940.9	3,632.1	3,653.6	3,257.1
IKA 2500	3,225.4	3,412.8	3,308.0	3,470.2	3,001.9	3,486.5	3,496.3	3,542.1	3,320.5	3,489.9	3,451.0	3,263.8	3,504.8	3,383.0	3,516.3	3,563.2	3,922.1	3,618.5	3,631.3	3,001.9
KFA 2438	3,270.1	3,598.9	3,492.4	3,549.6	3,467.8	3,510.3	3,536.4	3,582.6	3,407.4	3,537.3	3,473.1	3,341.4	3,524.6	3,467.8	3,661.5	3,790.6	3,941.1	3,634.0	3,653.3	3,270.1
KFA 2500	3,244.7	3,565.6	3,467.4	3,518.6	3,423.4	3,490.4	3,506.2	3,551.3	3,362.9	3,505.0	3,450.4	3,290.3	3,523.7	3,423.4	3,576.4	3,701.0	3,921.6	3,616.6	3,632.7	3,244.7
Route Min	3,190.5	3,365.6	3,308.0	3,453.2	3,001.7	3,450.8	3,437.1	3,511.0	3,298.1	3,466.5	3,424.3	3,230.3	3,448.1	3,368.8	3,365.1	3,448.3	3,897.9	3,600.4	3,603.6	3,001.7
Container Route	Div 01	Div 02	Div 03	Div 04	Div 05	Div 06	Div 07	Div 08	Div 09	Div 10	Div 11	Div Min	Min							
FAA 2438	3,470.8	3,433.2	3,259.4	3,692.0	3,492.6	3,413.7	3,943.9	3,702.6	3,273.7	W12	3,450.5	3,259.4	3,259.3							
FAA 2500	3,435.4	3,413.7	3,212.1	3,666.4	3,468.2	3,390.7	3,889.9	3,677.7	3,238.4	W12	3,450.1	3,212.1	3,212.1							
FCA 2438	3,435.8	3,421.4	3,225.8	3,674.0	3,481.2	3,399.9	3,879.8	3,687.5	3,221.0	W12	3,447.1	3,221.0	3,221.0							
FCA 2500	3,402.4	3,401.8	3,184.5	3,491.8	3,460.1	3,358.2	3,852.6	3,662.4	3,170.8	W12	3,446.7	3,170.8	3,170.8							
FEA 2438	3,469.7	3,438.5	3,250.1	3,696.5	3,501.4	3,419.9	3,926.4	3,706.1	3,279.1	W12	3,449.1	3,250.1	3,250.1							
FEA 2500	3,436.0	3,419.1	3,206.1	3,671.2	3,474.1	3,396.5	3,883.9	3,683.2	3,230.6	W12	3,449.5	3,206.1	3,206.1							
FFAFGA 2438	3,484.4	3,438.8	3,276.2	3,706.8	3,509.3	3,421.8	3,949.1	3,708.8	3,290.8	W12	3,452.1	3,276.2	3,276.2							
FFAFGA 2500	3,451.3	3,419.3	3,233.3	3,672.3	3,474.4	3,397.7	3,937.1	3,865.7	3,250.1	W12	3,451.8	3,233.3	3,233.3							
FIA 2438	3,480.8	3,439.0	3,248.8	3,700.0	3,506.4	3,421.9	3,910.6	3,707.4	3,279.9	W12	3,453.1	3,248.8	3,248.8							
FIA 2500	3,448.9	3,419.6	3,205.9	3,664.4	3,476.3	3,389.1	3,878.6	3,684.6	3,228.1	W12	3,451.6	3,205.9	3,001.7							
FKA 2438	3,474.6	3,439.0	3,238.3	3,699.5	3,507.0	3,422.0	3,902.7	3,708.2	3,272.4	W12	3,453.1	3,238.3	3,238.3							
FKA 2500	3,442.8	3,419.6	3,191.6	3,621.2	3,476.1	3,476.5	3,838.8	3,685.8	3,220.7	W12	3,451.6	3,191.6	3,001.9							
FLA 2438	3,436.4	3,415.2	3,220.4	3,667.0	3,472.1	3,389.9	3,890.1	3,676.7	3,239.2	W12	3,447.8	3,220.4	3,220.4							
FLA 2500	3,399.9	3,395.6	3,172.1	3,648.1	3,456.2	3,361.6	3,847.4	3,653.9	3,189.9	W12	3,447.3	3,172.1	3,172.1							
FRA 2438	3,489.7	3,438.5	3,250.1	3,696.5	3,501.4	3,419.9	3,926.4	3,706.1	3,279.1	W12	3,449.1	3,250.1	3,250.1							
FRA 2500	3,436.0	3,419.1	3,206.1	3,671.2	3,474.1	3,396.5	3,883.9	3,683.2	3,230.6	W12	3,449.5	3,206.1	3,206.1							
FSAFTA 2438	3,475.8	3,438.4	3,266.3	3,696.3	3,501.4	3,420.0	3,950.0	3,705.9	3,281.1	W12	3,449.1	3,266.3	3,265.1							
FSAFTA 2500	3,439.8	3,419.0	3,220.6	3,671.0	3,473.9	3,397.1	3,900.2	3,683.1	3,242.4	W12	3,449.5	3,220.6	3,220.6							

5 Conclusion

For the 30 ISO routes, a total of 2,107 out of 33,556 structures (6.3%) were found to have substandard (less than 100mm) clearances to the dynamic containers defined as compliant with the W12 (issue 2) gauge. If the method of static gauge route assessment were applied, then the maximum size of freight container allowed to pass through these structures would have to be limited to the smaller W6A, W7, W8, W9 or W10 gauges. By calculating the maximum size of each wagon / container combination that can pass through each sub standard structure this limitation can be avoided.

To achieve the container sizes defined in this analysis, the inaccuracies associated with the age of the structure data and the survey method used must be minimised. It would be prudent to resurvey the identified substandard structures using a more accurate survey method.

Following this analysis, the routing of actual containers on these specified ISO routes is now a two-stage process. Stage 1, the container must be W12 (issue 2) compliant. Stage 2, the container's dimension must be checked against the restrictive structures it will encounter on its journey to determine if an acceptable clearance would be achieved. This assessment could be accomplished via the formation of a database containing the calculated maximum static container heights. The database could be integrated to identify structures, and by default routes, where substandard clearances would be encountered.

Alternatively, the database could be used to determine the maximum size of container for individual routes that have acceptable clearances. Acceptable clearances could be set at either 0mm, 50mm or 100mm.

This analysis has improved the understanding of acceptable container types for individual wagon types. This should lead to an increase in the potential usability of the existing available space on the defined ISO routes. This report concludes that there is potential for wagon / container combinations to be authorised for travel on the analysed routes based upon their own static height and not compliance with a static 'W' gauge. With a greater understanding of the maximum permissible static height of the wagon / container combinations there is improved scope for the routing of individual containers.

6 References

- [1] Laser Rail Ltd, 'Project plan for stage two of the freight opportunities research', Issue 2, November 2006
- [2] Network Rail, 'The Network Rail Guide to Freight', January 2003
- [3] Rail Safety and Standards Board, Railway Guidance Note GE/GN8573 Guidance on Gauging, issue 1, October 2004
- [4] National Gauging Database (NGD) infrastructure data for use in HyperRouteTM, dated 19 March 2007
- [5] Rail Safety and Standards Board, Railway Group Standard GC/RT5212 Requirements for Defining and Maintaining Clearances issue 1, February 2003

Appendix A

**ISO wagon/container combinations compliant
with W6a, W7, W8, W9, W10 and W12 (issue 2)**

Gauges

Wagon Type	Container Type	Height	Width	W6A	W7	W8	W9	W10	W12 (issue 2)
FAA	ISO	2674	2438	Green					
	ISO	2815	2438		Red				
	ISO	2639	2500	Green	Red				
	ISO	2906	2438			Blue			
	ISO	2906	2500			Blue			
	ISO	3003	2438				Yellow		
	ISO	3003	2500				Yellow		
	ISO	2896	2438						Cyan
	ISO	2896	2500						
FCA	ISO	2405	2438	Green					
	ISO	2508	2438		Red				
	ISO	2368	2500	Green	Red				
	ISO	2595	2438			Blue			
	ISO	2595	2500			Blue			
	ISO	2692	2438				Yellow		
	ISO	2692	2500				Yellow		
	ISO	2896	2438						Cyan
	ISO	2896	2500						
FEA	ISO	2438	2438	Green					
	ISO	2543	2438		Red				
	ISO	2402	2500	Green	Red				
	ISO	2638	2438			Blue			
	ISO	2638	2500			Blue			
	ISO	2733	2438				Yellow		
	ISO	2733	2500				Yellow		
	ISO	2896	2438					Magenta	
	ISO	2896	2500					Magenta	
FFA/FGA (1016mm)	ISO	2402	2438	Green					
	ISO	2515	2438		Red				
	ISO	2367	2500	Green	Red				
	ISO	2602	2438			Blue			
	ISO	2602	2500			Blue			
	ISO	2699	2438				Yellow		
	ISO	2699	2500				Yellow		
	ISO	2896	2438						Cyan
	ISO	2896	2500						
FFA/FGA (1039mm)	ISO	2379	2438	Green					
	ISO	2485	2438		Red				
	ISO	2344	2500	Green	Red				
	ISO	2591	2438			Blue			
	ISO	2591	2500			Blue			
	ISO	2699	2438				Yellow		
	ISO	2699	2500				Yellow		
	ISO	2896	2438						Cyan
	ISO	2896	2500						
FIA	ISO	2483	2438	Green					
	ISO	2585	2438		Red				
	ISO	2448	2500	Green	Red				
	ISO	2673	2438			Blue			

Wagon Type	Container Type	Height	Width	W6A	W7	W8	W9	W10	W12 (issue 2)
	ISO	2673	2500						
	ISO	2770	2438						
	ISO	2770	2500						
	ISO	2896	2438						
	ISO	2896	2500						
FKA	ISO	2568	2500						
	ISO	2603	2438						
	ISO	2705	2438						
	ISO	2793	2438						
	ISO	2793	2500						
	ISO	2896	2438						
	ISO	2896	2500						
	ISO	2896	2438						
	ISO	2896	2500						
FLA	ISO	2720	2438						
	ISO	2805	2438						
	ISO	2686	2500						
	ISO	2898	2483						
	ISO	2898	2500						
	ISO	2995	2438						
	ISO	2995	2500						
FRA	ISO	2428	2438						
	ISO	2535	2438						
	ISO	2393	2500						
	ISO	2628	2438						
	ISO	2628	2500						
	ISO	2725	2438						
	ISO	2725	2500						
FSA-FTA	ISO	2436	2438						
	ISO	2545	2438						
	ISO	2402	2500						
	ISO	2638	2438						
	ISO	2638	2500						
	ISO	2743	2438						
	ISO	2743	2500						
	ISO	2896	2438						
	ISO	2896	2500						
IFA	ISO	2483	2438						
	ISO	2585	2438						
	ISO	2448	2500						
	ISO	2673	2438						
	ISO	2673	2500						
	ISO	2770	2438						
	ISO	2770	2500						
	ISO	2896	2438						
	ISO	2896	2500						
IJA	ISO	2316	2438						
	ISO	2441	2438						
	ISO	2281	2500						
	ISO	2528	2438						

Wagon Type	Container Type	Height	Width	W6A	W7	W8	W9	W10	W12 (issue 2)
	ISO	2528	2500						
	ISO	2625	2438						
	ISO	2625	2500						
	ISO	2896	2438						
	ISO	2896	2500						
IKA	ISO	2603	2438						
	ISO	2705	2438						
	ISO	2568	2500						
	ISO	2793	2438						
	ISO	2793	2500						
	ISO	2896	2438						
	ISO	2896	2500						
	ISO	2896	2438						
	ISO	2896	2500						
KFA	ISO	2383	2500						
	ISO	2418	2438						
	ISO	2525	2438						
	ISO	2618	2438						
	ISO	2618	2500						
	ISO	2715	2438						
	ISO	2715	2500						
	ISO	2896	2438						
	ISO	2896	2500						

Key:

 W6A compliant wagon / container combinations

 W7 compliant wagon / container combinations

 W8 compliant wagon / container combinations

 W9 compliant wagon / container combinations

 W10 compliant wagon / container combinations

 W12 Issue 2 compliant wagon / container combinations

Appendix B

ISO core and diversionary route descriptions

Route	Description	No.Profiles
ISO Core 01	Willesden to Mossend	25788
ISO Core 02	Willesden to Doncaster	16542
ISO Core 03	Willesden to Ipswich, Felixstowe and Harwich	10776
ISO Core 04	Willesden To Southampton	4559
ISO Core 05	Willesden to Avonmouth and South Wales	15802
ISO Core 06	Willesden To Thamesport	3776
ISO Core 07	Willesden to Purfleet and Tilbury	4582
ISO Core 08	Mossend to Coatsbridge and Grangemouth	930
ISO Core 09	Workington to Tyne Dock	4841
ISO Core 10	Doncaster to East Coast Ports	7501
ISO Core 11	ECML to Immingham	2077
ISO Core 12	Doncaster to Trafford Park	11174
ISO Core 13	Doncaster or Trafford Park to Didcott	18825
ISO Core 14	Trafford Park to Newport via Basford Hall	10423
ISO Core 15	Weaver Jn to Seaforth, Garston and Ditton	4501
ISO Core 16	Stratford to Ely Including High Meads Loop and Curve	3412
ISO Core 17	Shepreth Branch Jn To Cambridge Jn	631
ISO Core 18	Ipswich to Crescent Jn via Ely	1629
ISO Core 19	Westbury Line Jn and Reading West Jn to Basingstoke Jn	392
ISO Div 01	Scotland East Coast	7391
ISO Div 02	Scotland West Coast	3144
ISO Div 03	Farrington Jns to Carlisle	7433
ISO Div 04	Merseyside to Manchester	1926
ISO Div 05	Peterborough to Doncaster Avoiding ECML	1913
ISO Div 06	Peterborough to Nuneaton	2458
ISO Div 07	Rugby to Wolverhampton	2964
ISO Div 08	West Ealing and Handwell to Aynho Jn	3246
ISO Div 09	Alternate Routes to Southampton	5923
ISO Div 10	Colwich Jn to Crewe (Section One - Colwich Jn to Stone Jn)	581
ISO Div 11	Birmingham New Street to Severn Tunnel Jn	4289

ISO Core Routes																		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
LLG	LLG	LLG	LLG	LLG	BOK3	SCM2	CBC2	DUY	DOW	DDY	DDY	MAJ	WJL1	SDC	SBR	LTN1	RWC	
LEC1	LEC1	LEC1	ACW	ACW	WLL	BOK3	SCM3	CBC3	DDY	MAC3	DUY	DUY	COL	WJL2	SDC	CCH	BKE	
LEC2	CRC2	CRC2	CAW	CAW	CKL	BOK2	SCM3	MCG	ECM1	BRI1	ECM1	ECM1	CMP2	WJL2	BGK	SOB1		
LEC3	CRC1	CRC1	BOK5	BOK5	FLL1	GOJ	CMS	SCG	ECM2	BRI2	DOL1	SJB	CMP1	WJL3	CST	SOB2		
LEC4	BOK1	BOK1	BOK5	AWL	BSF	TAH1	PMT	NGD	ECM2	DOL1	HPC	PED5	BHI	WJL4	CHM	BGK		
LEC5	CRF2	DWW1	BOK6	MLN1	ATL	TAH2	GMH	NEC2	ECM3	CJS	WAG1	PED4	GSG	DSE	LLS1	EMP		
CGJ1	CRF1	DWW2	HOU	MLN1	CAT	TAH3		NEC1	ECM4	CJS	WAG1	SJM2	SYC	SCT1	LLS2			
CGJ2	ECM1	CST	RDG1	SWB	NTL	TAH3		NEC1	ECM4	SJB	MVN2	SJM1	SYC	SCT2	STM			
CGJ3	HDB	LTN1	VWW	AFR	LCH	TLL		HLK	ECM5	PED5	MVL4	TJC3	WSJ2	AEG				
CGJ4	ECM1	LTN1	AJB	AMB	NCS	TIR		PLG2	HLK	PED5	MVL3	CHR	SHL	SCR				
CGJ5	ECM1	ESK	BML1	SWB	XTD	KGC		PLG1	PLG2	HJB	MVL2	SPC9	HDC					
CGJ6	HPW	FEL	SOY	BSW	HDR	KGW		LEN3	PLG1	JCA	SAJ	SPC8	HNL1					
CGJ7	CFP	TFN	WAW	SWM2	HTG	FGW		BGE	LEN3		HAJ	DBP1	SWM2					
WCM1		FED	BOK4	SWM2	WMB	TSE1		GLT	BGE		CMP2	DBP2	NLL					
WCM2		FEL	BOK5	WAW	VIR	TSE2		NEC2	GLT		COL	DBP3	STY					
SCM1		MAH		BOK4	CAT			CBC3	TEY		MAJ	LSS	CSG					
SCM2		BOK2		BOK5				ULR	LLP1		CTL	SKN	LLI					
HNR		BOK3						UCJ	LLP2		MVN2	BCV						
		KGC							LLP3		MVN2	DCL						
									LEN2		TJC3	DCL						
									LEN3		DEC							
									STF		DOL2	DWC						
									BOH		MDL1	MAJ						
									DSN2		NOC	COL						
									WCI		MEW2	CMP2						
									TSY		MEW1	CMP1						
									TCW1		HNS	MCH						
									HUL2			CMD1						
									HOS			CMD2						
									NLF			NBS						
												LEC4						
												LEC3						
												RBS3						
												PBJ						
												WDJ						
												BJW2						
												CBR2						
												CBR1						
												WOP						
												RBS2						
												PJW						
												NWO						
												LEC2						
												CNN						
												RBS1						
												LSC2						
												LSC1						
												KJW						
												DBP3						

ISO Core Routes																		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
																SKM		
																SMJ2		
																SMJ1		

ISO Diversionary Routes										
1	2	3	4	5	6	7	8	9	10	11
KEB	MDW	LHL	DSE	WEB	PMJ	RBS1	HAN	MLN1	CMD2	BAG1
ECM5	EGS1	FHR1	DSE	SPD1	PMJ	SAS	WEL1	WEY	KCS1	BAG2
ECM6	EGS1	FHR2	DSE	SPD2	PMJ	PBJ	ANL	SAL		SWM2
ECM6	WCM2	FHR3	COL	SPD3	GSM2		NAJ2	BAE2		
ECM7	CLY	FHR4	EEE	SPD4	GSM3		NAJ3	BAE1		
ECM8	LFS1	FHR5	WEE	SPD5	SPC5			RTJ2		
ECM9	LFS2	DJH	PJL	SPD5	SPC4			RTJ1		
ECN1	GBK	DJH	NGJ	BCB	WNS			BML2		
ECN2	GSW	SKW1		NSE				BAE1		
EGM3		SAC		NOB1				LAV		
EGM2				NOB2				BFB		
ECA3				BHP				MLN1		
ECA2								BLL		
EGS2								BSW		
EGS2								FEC		
MDN								SWB		
MDE										
ECA2										
ECA1										
CSP										

Appendix C

**ISO core and diversionary routes: Substandard structures to
W6a, W7, W8, W9, W10 and W12 (issue 2) gauges**

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Core 01	CGJ1	1200	US	Flat Deck Overbridge	Plough [Bridge No.10]	Clear	Clear	Clear	Clear	Clear	78.4
Core 01	CGJ1	2100	DM	Flat Deck Overbridge	Birdswood Liverpool Line [Bridge No.47]	Clear	Clear	Clear	Clear	Clear	24.5
Core 01	CGJ1	2100	DM	Signal Bracket	Signal Bracket [168 Miles 11 Chains]	Clear	Clear	Clear	Clear	Clear	50.8
Core 01	CGJ1	2100	DM	Signal Bracket	Signal Bracket [172 Miles 69 Chains]	Clear	Clear	Clear	Clear	Clear	78.2
Core 01	CGJ1	2100	DM	Signal Bracket	Signal Bracket [173 Miles 26 Chains]	Clear	Clear	Clear	Clear	Clear	8.5
Core 01	CGJ2	1100	UM	Tunnel	Preston Brook [176 Miles 4 Chains]	Clear	Clear	Clear	Clear	91.4	-46.0
Core 01	CGJ2	2100	DM	Flat Deck Overbridge	Bridgewater Canal [Bridge No.50]	Clear	Clear	Clear	Clear	Clear	76.0
Core 01	CGJ2	2100	DM	Flat Deck Overbridge	Moss Lane [Bridge No.57]	Clear	Clear	Clear	Clear	Clear	66.6
Core 01	CGJ2	2100	DM	Tunnel	Preston Brook [176 Miles 4 Chains]	Clear	Clear	Clear	72.1	41.8	-96.1
Core 01	CGJ3	1100	UM	Flat Deck Overbridge	Bewsey Road [Bridge No.10]	Clear	Clear	Clear	Clear	Clear	24.0
Core 01	CGJ3	1100	UM	Arched Overbridge	Froghall Lane [Bridge No.8]	Clear	Clear	Clear	94.3	Clear	0.1
Core 01	CGJ3	1100	UM	Flat Deck Overbridge	Liverpool Road [Bridge No.7]	Clear	Clear	Clear	80.9	16.5	-89.9
Core 01	CGJ3	1200	US	Flat Deck Overbridge	Bewsey Road [Bridge No.10]	Clear	Clear	21.7	20.7	85.4	-4.3
Core 01	CGJ3	1200	US	Flat Deck Overbridge	Folly Lane [Bridge No.12]	Clear	Clear	Clear	Clear	Clear	43.9
Core 01	CGJ3	1200	US	Awnning	Warrington Bank Quay Station [Up Slow Platform 1 Awnning]	Clear	Clear	Clear	Clear	Clear	54.1
Core 01	CGJ3	2100	DM	Flat Deck Overbridge	Liverpool Road [Bridge No.7]	Clear	Clear	Clear	Clear	Clear	56.8
Core 01	CGJ3	2200	DS	Flat Deck Overbridge	Bewsey Road [Bridge No.10]	Clear	Clear	Clear	Clear	Clear	24.5
Core 01	CGJ3	2200	DS	Flat Deck Overbridge	Folly Lane [Bridge No.12]	Clear	Clear	Clear	Clear	Clear	6.0
Core 01	CGJ3	2500	Dn Loop	Flat Deck Overbridge	Liverpool Road [Bridge No.7]	Clear	Clear	Clear	Clear	Clear	96.9
Core 01	CGJ3	2500	Dn Loop	Awnning	Warrington Bank Quay Station [Down Loop Platform 4 Awnning]	Clear	Clear	Clear	Clear	Clear	23.6
Core 01	CGJ4	1100	UM	Intersection	Intersects DSE [Bridge No.10]	Clear	Clear	65.8	46.5	Clear	11.6
Core 01	CGJ4	1100	UM	Flat Deck Overbridge	Mill Lane (A49) [Bridge No.8]	Clear	Clear	Clear	Clear	Clear	51.2
Core 01	CGJ4	2100	DM	Intersection	Intersects DSE [Bridge No.10]	Clear	Clear	Clear	Clear	Clear	87.3
Core 01	CGJ4	2100	DM	Flat Deck Overbridge	Mill Lane (A49) [Bridge No.8]	Clear	Clear	Clear	Clear	Clear	48.3
Core 01	CGJ5	1100	UM	Flat Deck Overbridge	Bashalls [Bridge No.101]	Clear	Clear	Clear	Clear	Clear	52.7
Core 01	CGJ5	1100	UM	Flat Deck Overbridge	Cemetery Road [Bridge No.31]	Clear	Clear	Clear	Clear	Clear	67.7
Core 01	CGJ5	1100	UM	Flat Deck Overbridge	Centurion Way [Bridge No.101A]	Clear	Clear	Clear	82.7	-35.3	
Core 01	CGJ5	1100	UM	Arched Overbridge	Cockers [Bridge No.79]	Clear	Clear	Clear	Clear	Clear	80.2
Core 01	CGJ5	1100	UM	Flat Deck Overbridge	Farington (B5253) [Bridge No.107]	Clear	Clear	Clear	Clear	Clear	89.1
Core 01	CGJ5	1100	UM	Flat Deck Overbridge	Leyland [Bridge No.100]	Clear	Clear	Clear	82.2	25.8	
Core 01	CGJ5	1100	UM	Flat Deck Overbridge	Pilkingtons [Bridge No.70]	Clear	Clear	Clear	Clear	18.3	-66.3
Core 01	CGJ5	1100	UM	Flat Deck Overbridge	Pipe Bridge & East Lancs Road [Bridge No.3A & 3B]	Clear	Clear	Clear	Clear	Clear	81.7
Core 01	CGJ5	1100	UM	Flat Deck Overbridge	School Bridge [Bridge No.71]	Clear	Clear	Clear	Clear	Clear	2.2
Core 01	CGJ5	1100	UM	Flat Deck Overbridge	Smiths Moor [Bridge No.65]	Clear	Clear	Clear	Clear	Clear	38.7
Core 01	CGJ5	1100	UM	Flat Deck Overbridge	Westwood Lane [Bridge No.33]	Clear	Clear	Clear	Clear	Clear	8.4
Core 01	CGJ5	1200	US	Flat Deck Overbridge	Lily Lane (A58) [Bridge No.21]	Clear	Clear	Clear	Clear	Clear	32.7
Core 01	CGJ5	1200	US	Flat Deck Overbridge	Smithy Ashton Road [Bridge No.12]	Clear	Clear	Clear	Clear	Clear	90.5
Core 01	CGJ5	1200	US	Flat Deck Overbridge	Station Road Golborne & Footbridge [Bridge No.9 & 10]	Clear	Clear	Clear	Clear	Clear	83.6
Core 01	CGJ5	1200	US	Flat Deck Overbridge	Taylors [Bridge No.30]	Clear	Clear	Clear	Clear	Clear	82.1
Core 01	CGJ5	1201	US	Flat Deck Overbridge	Bashalls [Bridge No.101]	Clear	Clear	Clear	Clear	Clear	95.1
Core 01	CGJ5	1201	US	Flat Deck Overbridge	Coote Lane [Bridge No.110]	Clear	Clear	Clear	Clear	Clear	62.2
Core 01	CGJ5	1201	US	Flat Deck Overbridge	Dawson Lane [Bridge No.96]	Clear	Clear	Clear	Clear	Clear	37.2
Core 01	CGJ5	1201	US	Flat Deck Overbridge	Farington (B5253) [Bridge No.107]	Clear	Clear	Clear	Clear	90.2	-29.1
Core 01	CGJ5	1201	US	Flat Deck Overbridge	Fowler Lane [Bridge No.103]	Clear	Clear	73.2	19.4	65.4	-30.5
Core 01	CGJ5	1201	US	Flat Deck Overbridge	Leyland [Bridge No.100]	Clear	Clear	Clear	Clear	Clear	98.9
Core 01	CGJ5	1300	UG	Intersections	Intersects BJL [Bridge No.28]	Clear	Clear	Clear	Clear	Clear	-2.1
Core 01	CGJ5	1300	UG	Flat Deck Overbridge	Westwood Lane [Bridge No.33]	Clear	Clear	Clear	Clear	Clear	60.7
Core 01	CGJ5	2100	DM	Flat Deck Overbridge	Centurion Way [Bridge No.101A]	Clear	Clear	Clear	Clear	Clear	79.8
Core 01	CGJ5	2100	DM	Flat Deck Overbridge	Coote Lane [Bridge No.110]	Clear	Clear	Clear	Clear	85.5	-25.0

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Core 01	CGJ5	2100	DM	Flat Deck Overbridge	Dawson Lane [Bridge No.96]	Clear	Clear	Clear	Clear	74.7	12.8
Core 01	CGJ5	2100	DM	Flat Deck Overbridge	Farington (B5253) [Bridge No.107]	Clear	Clear	Clear	Clear	Clear	22.1
Core 01	CGJ5	2100	DM	Flat Deck Overbridge	Fearns [Bridge No.4]	Clear	Clear	Clear	Clear	Clear	74.7
Core 01	CGJ5	2100	DM	Flat Deck Overbridge	Flag Lane [Bridge No.112]	Clear	Clear	Clear	Clear	Clear	41.7
Core 01	CGJ5	2100	DM	Flat Deck Overbridge	Fowler Lane [Bridge No.103]	Clear	Clear	Clear	90.3	Clear	29.8
Core 01	CGJ5	2100	DM	Flat Deck Overbridge	Intersects FHR2 [Bridge No.109]	Clear	Clear	Clear	67.5	90.6	-16.2
Core 01	CGJ5	2100	DM	Flat Deck Overbridge	Lily Lane (A58) [Bridge No.21]	Clear	Clear	Clear	76.9	Clear	33.1
Core 01	CGJ5	2100	DM	Awning	Preston Station [Down Fast Platform 3 Awning]	Clear	Clear	Clear	Clear	Clear	96.8
Core 01	CGJ5	2100	DM	Signal Gantry	Signal Gantry [19 Miles 41 Chains]	Clear	Clear	Clear	95.2	Clear	20.5
Core 01	CGJ5	2100	DM	Flat Deck Overbridge	Smithy Ashton Road [Bridge No.12]	Clear	Clear	Clear	Clear	Clear	92.0
Core 01	CGJ5	2100	DM	Flat Deck Overbridge	Station Road Golborne & Footbridge [Bridge No.9 & 10]	Clear	Clear	Clear	Clear	Clear	83.9
Core 01	CGJ5	2200	DS	Flat Deck Overbridge	Smithy Ashton Road [Bridge No.12]	Clear	Clear	Clear	78.2	Clear	47.0
Core 01	CGJ5	2201	DS	Flat Deck Overbridge	Bashalls [Bridge No.101]	Clear	Clear	Clear	95.4	80.2	-5.8
Core 01	CGJ5	2201	DS	Flat Deck Overbridge	Dawson Lane [Bridge No.96]	Clear	Clear	Clear	Clear	Clear	33.4
Core 01	CGJ5	2201	DS	Flat Deck Overbridge	Flag Lane [Bridge No.112]	Clear	Clear	81.6	31.0	76.4	-18.8
Core 01	CGJ5	2201	DS	Flat Deck Overbridge	Fowler Lane [Bridge No.103]	Clear	Clear	83.1	69.3	Clear	40.0
Core 01	CGJ5	2201	DS	Flat Deck Overbridge	Intersects FHR2 [Bridge No.109]	Clear	Clear	Clear	Clear	Clear	63.3
Core 01	CGJ5	2201	DS	Flat Deck Overbridge	Leyland [Bridge No.100]	Clear	Clear	Clear	Clear	Clear	57.7
Core 01	CGJ5	2201	DS	Flat Deck Overbridge	Rose Whittle [Bridge No.95]	Clear	Clear	Clear	Clear	66.1	-21.9
Core 01	CGJ5	2201	DS	Signal Gantry	Signal Gantry [19 Miles 41 Chains]	Clear	Clear	Clear	Clear	Clear	84.8
Core 01	CGJ5	2301	DG	Viaduct	River Ribble [Bridge No.120]	Clear	Clear	58.2	27.0	91.3	-28.4
Core 01	CGJ6	1100	UM	Flat Deck Overbridge	Fishergate [Bridge No.129]	Clear	Clear	Clear	Clear	Clear	62.8
Core 01	CGJ6	1100	UM	Flat Deck Overbridge	Meeting House Lane [Bridge No.93]	Clear	Clear	Clear	Clear	Clear	86.7
Core 01	CGJ6	1100	UM	Signal Gantry	Signal Gantry [0 Miles 69 Chains]	Clear	Clear	Clear	Clear	Clear	-11.4
Core 01	CGJ6	2100	DM	Flat Deck Overbridge	Ashton Road (A588) [Bridge No.89]	Clear	Clear	Clear	Clear	96.0	10.6
Core 01	CGJ6	2100	DM	Flat Deck Overbridge	Bailtons [Bridge No.54]	Clear	Clear	Clear	Clear	Clear	58.8
Core 01	CGJ6	2100	DM	Flat Deck Overbridge	Maynard Street [Bridge No.19]	Clear	Clear	Clear	Clear	Clear	82.4
Core 01	CGJ6	2100	DM	Flat Deck Overbridge	Meeting House Lane [Bridge No.93]	Clear	Clear	Clear	Clear	Clear	14.6
Core 01	CGJ6	2100	DM	Signal Gantry	Signal Gantry [4 Miles 45 Chains]	Clear	Clear	Clear	Clear	Clear	62.9
Core 01	CGJ6	2100	DM	Arched Overbridge	Station Lane [Bridge No.35]	Clear	Clear	Clear	Clear	Clear	76.7
Core 01	CGJ6	2100	DM	Flat Deck Overbridge	Taylors [Bridge No.56]	Clear	Clear	Clear	Clear	Clear	13.6
Core 01	CGJ6	2100	DM	Flat Deck Overbridge	Turners [Bridge No.55]	Clear	Clear	Clear	Clear	Clear	24.6
Core 01	CGJ6	2100	DM	Arched Overbridge	White Horse [Bridge No.38]	Clear	Clear	Clear	Clear	Clear	32.3
Core 01	CGJ6	3501	Bi-dir	Flat Deck Overbridge	Fishergate [Bridge No.129]	Clear	Clear	Clear	Clear	Clear	22.8
Core 01	CGJ7	1100	UM	Arched Overbridge	Appleby Road No.2 [Bridge No.82]	Clear	Clear	Clear	Clear	80.6	-38.7
Core 01	CGJ7	1100	UM	Arched Overbridge	Barrock Park [Bridge No.216]	Clear	Clear	Clear	Clear	Clear	51.8
Core 01	CGJ7	1100	UM	Arched Overbridge	Clifton Road [Bridge No.162]	Clear	Clear	Clear	Clear	Clear	67.6
Core 01	CGJ7	1100	UM	Arched Overbridge	Greystoke Road (B5288) [Bridge No.173]	Clear	Clear	Clear	Clear	Clear	84.7
Core 01	CGJ7	1100	UM	Flat Deck Overbridge	Hilderstone [Bridge No.33]	Clear	Clear	Clear	Clear	Clear	93.3
Core 01	CGJ7	1100	UM	Arched Overbridge	Kendal Road (A65) [Bridge No.65]	Clear	Clear	Clear	Clear	Clear	14.2
Core 01	CGJ7	1100	UM	Arched Overbridge	Kitchen Hill [Bridge No.184]	Clear	Clear	Clear	Clear	Clear	67.4
Core 01	CGJ7	1100	UM	Flat Deck Overbridge	Motorway (M6) [Bridge No.90]	Clear	Clear	Clear	Clear	Clear	24.2
Core 01	CGJ7	1100	UM	Flat Deck Overbridge	North End [Bridge No.241]	Clear	Clear	Clear	Clear	Clear	46.4
Core 01	CGJ7	1100	UM	Arched Overbridge	Paddy Lane [Bridge No.80]	Clear	Clear	Clear	Clear	Clear	97.5
Core 01	CGJ7	1100	UM	Arched Overbridge	Riverspan [Bridge No.182]	Clear	Clear	Clear	Clear	81.7	-2.9
Core 01	CGJ7	1100	UM	Aquaduct	Shap Aquaduct [Bridge No.130]	Clear	Clear	Clear	Clear	Clear	91.0
Core 01	CGJ7	1100	UM	Signal Gantry	Signal Gantry [30 Miles 17 Chains]	Clear	Clear	Clear	Clear	Clear	84.0
Core 01	CGJ7	1100	UM	Signal Gantry	Signal Gantry [68 Miles 58 Chains]	Clear	Clear	Clear	Clear	Clear	54.8
Core 01	CGJ7	1100	UM	Flat Deck Overbridge	Station Road [Bridge No.19]	Clear	Clear	Clear	Clear	Clear	88.9
Core 01	CGJ7	1100	UM	Arched Overbridge	Yeatland Road [Bridge No.32]	Clear	Clear	Clear	Clear	Clear	18.7

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Core 01	CGJ7	2100	DM	Arched Overbridge	Barrock Park [Bridge No.216]	Clear	Clear	Clear	Clear	95.4	-17.3
Core 01	CGJ7	2100	DM	Arched Overbridge	Clifton [Bridge No.161]	Clear	Clear	Clear	74.5	Clear	33.3
Core 01	CGJ7	2100	DM	Arched Overbridge	Coach And Horses [Bridge No.29]	Clear	Clear	Clear	Clear	Clear	82.8
Core 01	CGJ7	2100	DM	Arched Overbridge	Detron Lane [Bridge No.15]	Clear	Clear	Clear	Clear	Clear	88.5
Core 01	CGJ7	2100	DM	Arched Overbridge	Greystoke Road (B5288) [Bridge No.173]	Clear	Clear	Clear	Clear	Clear	88.3
Core 01	CGJ7	2100	DM	Flat Deck Overbridge	Hynning [Bridge No.25]	Clear	Clear	Clear	Clear	Clear	43.7
Core 01	CGJ7	2100	DM	Arched Overbridge	Kendal Road (A65) [Bridge No.65]	Clear	Clear	Clear	Clear	Clear	50.0
Core 01	CGJ7	2100	DM	Arched Overbridge	Kitchen Hill [Bridge No.184]	Clear	Clear	Clear	Clear	Clear	63.1
Core 01	CGJ7	2100	DM	Flat Deck Overbridge	North End [Bridge No.241]	Clear	Clear	Clear	Clear	Clear	57.4
Core 01	CGJ7	2100	DM	Arched Overbridge	Riverspan [Bridge No.182]	Clear	Clear	Clear	Clear	56.2	-38.8
Core 01	CGJ7	2100	DM	Signal	Signal [25 Miles 70 Chains]	Clear	Clear	Clear	Clear	95.4	-23.8
Core 01	CGJ7	2100	DM	Signal Post	Signal [32 Miles 65 Chains]	Clear	Clear	Clear	Clear	Clear	72.7
Core 01	CGJ7	2100	DM	Signal Gantry	Signal Gantry [25 Miles 66 Chains]	Clear	Clear	Clear	99.6	57.4	-65.2
Core 01	CGJ7	2100	DM	Arched Overbridge	Yeatland Road [Bridge No.32]	Clear	Clear	Clear	Clear	Clear	17.4
Core 01	CGJ7	2200	DS	Signal Post	Signal [51 Miles 20 Chains]	Clear	Clear	Clear	Clear	Clear	70.2
Core 01	HNR	1100	UM	Flat Deck Overbridge	Church Brampton And Harlestone [Bridge No.36]	Clear	Clear	Clear	Clear	Clear	43.5
Core 01	HNR	1100	UM	Signal Post	Signal Post [62 Miles 75 Chains]	Clear	Clear	Clear	73.7	-26.5	-135.3
Core 01	HNR	2100	DM	Awnning	Northampton Station Awning [Down Fast Platform]	Clear	Clear	Clear	Clear	Clear	72.9
Core 01	HNR	2100	DM	Arched Overbridge	Overbridge [Bridge No.202]	Clear	Clear	Clear	Clear	Clear	99.2
Core 01	HNR	2100	DM	Signal Gantry	Signal Gantry [68 Miles 10 Chains]	Clear	Clear	Clear	Clear	Clear	17.5
Core 01	LEC1	1100	UM	Flat Deck Overbridge	Down Goods Intersects [Bridge No.276]	Clear	Clear	Clear	Clear	75.0	-15.4
Core 01	LEC1	1100	UM	Tunnel	Kilsby Tunnel A5 [76 Miles 62 Chains]	Clear	Clear	78.4	59.2	70.5	-93.9
Core 01	LEC1	1100	UM	Tunnel	Linslade Centre Bore [40 Miles 60 Chains]	Clear	Clear	61.4	36.2	34.6	-98.8
Core 01	LEC1	1100	UM	Flat Deck Overbridge	Mcj1 And Metropolitan Lines Pass Over [Bridge No.37A]	Clear	Clear	Clear	Clear	86.2	-3.1
Core 01	LEC1	1100	UM	Tunnel	Northchurch Fast Line Tunnel [Bridge No.105/3]	Clear	Clear	54.2	39.9	33.6	-115.7
Core 01	LEC1	1100	UM	Signal	Signal [10 Miles 15 Chains]	Clear	Clear	Clear	Clear	84.2	-3.2
Core 01	LEC1	1100	UM	Signal	Signal [46 Miles 9 Chains]	Clear	Clear	Clear	Clear	Clear	50.6
Core 01	LEC1	1100	UM	Tunnel	Stowe Hill Tunnel [68 Miles 9 Chains]	Clear	Clear	Clear	Clear	96.0	-35.1
Core 01	LEC1	1100	UM	Tunnel	Watford Tunnel Fast Lines A41 [Bridge No.67]	Clear	Clear	Clear	79.2	82.8	-47.4
Core 01	LEC1	1200	US	Flat Deck Overbridge	Gipsy Lane [Bridge No.68]	Clear	Clear	Clear	Clear	Clear	81.5
Core 01	LEC1	1200	US	Tunnel	Linslade Up Slow Tunnel [40 Miles 60 Chains]	Clear	Clear	57.5	7.4	-61.2	-185.1
Core 01	LEC1	1200	US	Flat Deck Overbridge	Mcj1 And Metropolitan Lines Pass Over [Bridge No.37A]	Clear	Clear	Clear	Clear	Clear	7.3
Core 01	LEC1	1200	US	Tunnel	Northchurch Slow Lines Tunnel [Bridge No.105/3]	Clear	Clear	64.4	10.8	10.8	-111.4
Core 01	LEC1	1200	US	Flat Deck Overbridge	Occupation Road [Bridge No.185]	Clear	Clear	Clear	Clear	Clear	28.4
Core 01	LEC1	1200	US	Signal	Signal [17 Miles 47 Chains]	-34.2	-34.2	-138.2	-199.0	-178.3	-270.4
Core 01	LEC1	1200	US	Signal	Signal [51 Miles 59 Chains]	Clear	Clear	Clear	Clear	Clear	87.5
Core 01	LEC1	1200	US	Flat Deck Overbridge	Uxbridge Road [Bridge No.49]	Clear	Clear	Clear	Clear	48.5	-60.3
Core 01	LEC1	1200	US	Flat Deck Overbridge	Wembley High Road [Bridge No.35]	Clear	Clear	Clear	Clear	Clear	81.6
Core 01	LEC1	1501	Up Loop	Arched Overbridge	Aldbury Road [Bridge No.112]	Clear	Clear	Clear	Clear	Clear	74.7
Core 01	LEC1	2100	DM	Flat Deck Overbridge	A45 [Bridge No.238]	Clear	Clear	Clear	Clear	Clear	95.0
Core 01	LEC1	2100	DM	Flat Deck Overbridge	Broad Oak Farm [Bridge No.140]	Clear	Clear	Clear	Clear	Clear	84.7
Core 01	LEC1	2100	DM	Flat Deck Overbridge	Cheddington Glebe House [Bridge No.122]	Clear	Clear	Clear	Clear	Clear	43.3
Core 01	LEC1	2100	DM	Tunnel	Kilsby Tunnel A5 [76 Miles 62 Chains]	Clear	Clear	Clear	Clear	72.5	-55.7
Core 01	LEC1	2100	DM	Tunnel	Linslade Tunnel [Down Fast]	Clear	Clear	Clear	Clear	75.1	-55.2
Core 01	LEC1	2100	DM	Flat Deck Overbridge	Mcj1 And Metropolitan Lines Pass Over [Bridge No.37A]	Clear	Clear	Clear	Clear	Clear	82.9
Core 01	LEC1	2100	DM	Tunnel	Northchurch Fast Line Tunnel [Bridge No.105/3]	Clear	Clear	Clear	77.3	75.4	-57.3
Core 01	LEC1	2100	DM	Flat Deck Overbridge	Pitstone Cement Works [Bridge No.116]	Clear	Clear	Clear	Clear	88.8	-37.9
Core 01	LEC1	2100	DM	Signal	Signal [61 Miles 08 Chains]	Clear	Clear	Clear	Clear	Clear	47.1
Core 01	LEC1	2100	DM	Signal	Signal [61 Miles 60 Chains]	Clear	Clear	Clear	Clear	78.7	
Core 01	LEC1	2100	DM	Signal	Signal [74 Miles 72 Chains]	Clear	Clear	Clear	Clear	58.1	-58.2

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Core 01	LEC1	2100	DM	Signal Gantry	Signal Gantry [61 Miles 60 Chains]	Clear	Clear	Clear	Clear	Clear	21.4
Core 01	LEC1	2100	DM	Signal Gantry	Signal Gantry [61 Miles 8 Chains]	Clear	Clear	Clear	Clear	Clear	76.4
Core 01	LEC1	2100	DM	Tunnel	Stowe Hill Tunnel [68 Miles 9 Chains]	Clear	Clear	Clear	81.5	83.7	-44.7
Core 01	LEC1	2100	DM	Tunnel	Watford Tunnel Fast Lines A41 [Bridge No.67]	Clear	Clear	87.8	62.5	58.3	-111.9
Core 01	LEC1	2100	DM	Flat Deck Overbridge	Wembley Central [Bridge No.34]	Clear	Clear	Clear	Clear	Clear	95.5
Core 01	LEC1	2200	DS	Tunnel	Linslade Centre Bore [40 Miles 60 Chains]	Clear	Clear	Clear	96.4	Clear	-21.0
Core 01	LEC1	2200	DS	Tunnel	Northchurch Slow Lines Tunnel [Bridge No.105/3]	Clear	Clear	77.5	47.3	-65.8	-135.2
Core 01	LEC1	2200	DS	Signal	Signal [10 Miles 7 Chains]	Clear	Clear	Clear	Clear	66.9	-18.1
Core 01	LEC1	2200	DS	Signal Gantry	Signal Gantry [42 Miles 60 Chains]	Clear	Clear	Clear	Clear	Clear	94.4
Core 01	LEC2	1100	UM	Tunnel	Shugborough [Bridge No.142]	Clear	Clear	Clear	83.2	68.7	-63.5
Core 01	LEC2	1100	UM	Signal	Signal [109 Miles 67 Chains]	Clear	Clear	Clear	Clear	Clear	57.0
Core 01	LEC2	1100	UM	Signal	Signal [111 Miles 2 Chains]	Clear	Clear	Clear	Clear	Clear	19.1
Core 01	LEC2	1100	UM	Signal	Signal [83 Miles 70 Chains]	Clear	Clear	Clear	Clear	Clear	79.8
Core 01	LEC2	1100	UM	Signal Gantry	Signal Gantry [111 Miles 2 Chains]	Clear	Clear	Clear	Clear	43.4	-40.5
Core 01	LEC2	1100	UM	Signal Gantry	Signal Gantry [83 Miles 67 Chains]	Clear	Clear	Clear	Clear	Clear	80.2
Core 01	LEC2	1100	UM	Signal Gantry	Signal Gantry [89 Miles 42 Chains]	Clear	Clear	Clear	Clear	Clear	26.8
Core 01	LEC2	1100	UM	Signal Post	Signal Post [109 Miles 64 Chains]	Clear	Clear	Clear	74.6	Clear	34.0
Core 01	LEC2	1100	UM	Signal Post	Signal Post [129 Miles 50 Chains]	Clear	Clear	Clear	Clear	59.3	-28.9
Core 01	LEC2	1200	US	Overbridge	Armiton Road Polesworth [Bridge No.72]	Clear	Clear	Clear	Clear	Clear	69.2
Core 01	LEC2	1200	US	Arched Overbridge	Gipsy Lane [Bridge No.38]	Clear	Clear	Clear	Clear	Clear	52.6
Core 01	LEC2	1200	US	Signal	Signal [89 Miles 44 Chains]	Clear	Clear	Clear	Clear	Clear	73.3
Core 01	LEC2	1200	US	Signal Gantry	Signal Gantry [83 Miles 71 Chains]	Clear	Clear	Clear	Clear	Clear	91.5
Core 01	LEC2	1200	US	Signal Gantry	Signal Gantry [89 Miles 43 Chains]	Clear	Clear	Clear	Clear	Clear	78.2
Core 01	LEC2	1200	US	Signal Gantry	Signal Gantry [90 Miles 35 Chains]	Clear	Clear	Clear	Clear	Clear	69.2
Core 01	LEC2	1203	US	Signal Post	Signal Post [130 Miles 63 Chains]	Clear	Clear	Clear	Clear	Clear	92.6
Core 01	LEC2	2100	DM	Flat Deck Overbridge	A5 Watling Street [Bridge No.60A]	Clear	Clear	Clear	Clear	Clear	59.0
Core 01	LEC2	2100	DM	Overbridge	Baswich Lane [Bridge No.150]	Clear	Clear	Clear	Clear	Clear	65.7
Core 01	LEC2	2100	DM	Overbridge	Footway Extn To Br.150 [Bridge No.150A]	Clear	Clear	Clear	Clear	Clear	86.1
Core 01	LEC2	2100	DM	Tunnel	Shugborough [Bridge No.142]	Clear	Clear	Clear	84.0	53.8	-34.4
Core 01	LEC2	2100	DM	Signal	Signal [105 Miles 70 Chains]	Clear	Clear	Clear	Clear	Clear	34.7
Core 01	LEC2	2100	DM	Signal	Signal [128 Miles 33 Chains]	Clear	Clear	Clear	Clear	Clear	37.6
Core 01	LEC2	2100	DM	Signal	Signal [128 Miles 37 Chains]	Clear	Clear	Clear	Clear	Clear	46.9
Core 01	LEC2	2200	DS	Intersection	Intersects Dbp1 [Bridge No.80]	Clear	Clear	Clear	Clear	Clear	44.5
Core 01	LEC2	2200	DS	Signal	Signal [102 Miles 27 Chains]	Clear	Clear	Clear	Clear	Clear	68.6
Core 01	LEC2	3400	Bi-dir	Awning	Nuneaton Station [Down & Up Loop Awning]	Clear	Clear	Clear	Clear	Clear	75.2
Core 01	LEC4	1100	UM	Overbridge	Basford Hall [Bridge No.77]	Clear	Clear	Clear	Clear	Clear	51.4
Core 01	LEC4	1100	UM	Flat Deck Overbridge	Doxey Road [Bridge No.1]	Clear	Clear	Clear	Clear	Clear	31.0
Core 01	LEC4	1100	UM	Flat Deck Overbridge	Occupation Hemiss [Bridge No.24]	Clear	Clear	Clear	Clear	Clear	33.8
Core 01	LEC4	1100	UM	Signal Gantry	Signal Gantry [153 Miles 33 Chains]	Clear	Clear	Clear	Clear	79.2	-30.8
Core 01	LEC4	1200	US	Flat Deck Overbridge	Great Bridgeford [Bridge No.8]	Clear	Clear	Clear	Clear	Clear	80.2
Core 01	LEC4	2100	DM	Signal Gantry	Signal Gantry [137 Miles 3 Chains]	Clear	Clear	Clear	Clear	Clear	44.7
Core 01	LEC4	2200	DS	Overbridge	C267 Shallowford [Bridge No.17]	Clear	Clear	Clear	Clear	Clear	88.3
Core 01	LEC4	2200	DS	Signal Post	Signal Post [137 Miles 0 Chains]	Clear	Clear	Clear	Clear	Clear	20.9
Core 01	LEC5	2100	DM	Signal Gantry	Signal Gantry [158m 55c]	Clear	Clear	Clear	Clear	Clear	57.4
Core 01	LLG	1300	UG	Overbridge	Overbridge [Bridge No.27]	Clear	Clear	Clear	Clear	Clear	99.9
Core 01	LLG	1300	UG	Overbridge	Overbridge [Bridge No.29]	Clear	Clear	Clear	Clear	Clear	67.9
Core 01	LLG	2300	DG	Overbridge	Overbridge [Bridge No.27]	Clear	Clear	Clear	Clear	Clear	82.1
Core 01	LLG	2300	DG	Overbridge	Overbridge [Bridge No.29]	Clear	Clear	Clear	Clear	Clear	74.2
Core 01	SCM2	2100	DM	Overbridge	Main St [Bridge No.11]	Clear	Clear	Clear	Clear	94.4	9.2
Core 01	WCM1	1100	UM	Flat Deck Overbridge	Caldew A595 [Bridge No.2]	Clear	Clear	Clear	Clear	66.4	-18.2

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Core 01	WCM1	1101	UM	Arched Overbridge	Mid Murthat [Bridge No.175]	Clear	Clear	Clear	Clear	86.9	-11.6
Core 01	WCM1	1101	UM	Signal Gantry	Signal Gantry [25 Miles 42 Chains]	Clear	Clear	Clear	Clear	Clear	20.8
Core 01	WCM1	1101	UM	Signal Gantry	Signal Gantry [58 Miles 45 Chains]	Clear	Clear	Clear	Clear	Clear	73.6
Core 01	WCM1	1101	UM	Arched Overbridge	Townfoot [Bridge No.296]	Clear	Clear	Clear	Clear	99.9	2.6
Core 01	WCM1	1102	UM	Awning	Carstairs Station [Down Passing Loop Awning]	Clear	Clear	Clear	Clear	59.8	-12.5
Core 01	WCM1	1102	UM	Arched Overbridge	Craighill [Bridge No.431]	Clear	Clear	Clear	Clear	6.2	-83.8
Core 01	WCM1	1102	UM	Signal Gantry	Signal Gantry [82 Miles 37 Chains]	Clear	Clear	Clear	Clear	88.2	4.7
Core 01	WCM1	2100	DM	Signal	Signal [3 Miles 18 Chains]	Clear	Clear	Clear	Clear	Clear	40.9
Core 01	WCM1	2101	DM	Flat Deck Overbridge	Fullwood [Bridge No.430]	Clear	Clear	Clear	Clear	Clear	81.5
Core 01	WCM1	2101	DM	Flat Deck Overbridge	Hardington Crossing [Bridge No.340]	Clear	Clear	Clear	Clear	Clear	96.4
Core 01	WCM1	2503	Dn Loop	Signal Gantry	Signal Gantry [58 Miles 18 Chains]	Clear	Clear	Clear	Clear	-42.8	-94.5
Core 02	BOK1	1100	UM	Viaduct	Camden Road (A503) [Bridge No.72]	Clear	Clear	70.5	70.5	Clear	45.5
Core 02	BOK1	2100	DM	Viaduct	Camden Road (A503) [Bridge No.72]	Clear	Clear	66.0	64.1	Clear	39.1
Core 02	CFP	3100	Bi-dir	Arched Overbridge	Bridge [Bridge No.1]	Clear	Clear	Clear	Clear	Clear	26.0
Core 02	CFP	3100	Bi-dir	Tunnel	Canobury Tunnel [3 Miles 16 Chains]	Clear	Clear	Clear	Clear	70.3	-61.4
Core 02	CRC1	1100	UM	Overbridge	Chalk Farm Road [Bridge No.1]	Clear	Clear	18.2	-22.9	-29.9	-153.3
Core 02	CRC1	2100	DM	Underbridge	Brick Arch [Bridge No.2]	Clear	Clear	Clear	Clear	46.4	-40.5
Core 02	CRC1	2100	DM	Overbridge	Chalk Farm Road [Bridge No.1]	Clear	Clear	Clear	Clear	52.2	-44.1
Core 02	DOL1	1100	UM	Overbridge	Pontefract Road (a628) [Bridge No.36]	Clear	Clear	Clear	Clear	36.7	-58.5
Core 02	DOL1	2100	DM	Overbridge	B6273 Wakefield Road, Fitzwilliam [Bridge No.41 (Geogis)]	Clear	Clear	Clear	Clear	Clear	94.2
Core 02	DOL1	2100	DM	Overbridge	Pontefract Road (a628) [Bridge No.36]	Clear	Clear	Clear	Clear	Clear	97.3
Core 02	ECM1	1100	UM	Tunnel	Askham Tunnel [134 Miles 37 Chains]	Clear	Clear	Clear	Clear	Clear	46.1
Core 02	ECM1	1100	UM	Arched Overbridge	Balby Bridge Tunnel [Bridge No.324]	Clear	Clear	Clear	Clear	-25.4	-118.6
Core 02	ECM1	1100	UM	Tunnel	Copenhagen Centre Bore [0 Miles 64 Chains]	Clear	Clear	18.9	-11.9	-24.5	-162.3
Core 02	ECM1	1100	UM	Arched Overbridge	Endymion Road [Bridge No.20]	Clear	Clear	Clear	Clear	30.7	-75.7
Core 02	ECM1	1100	UM	Flat Deck Overbridge	Holloway Flyover Main Lines [Bridge No 7]	Clear	Clear	Clear	Clear	Clear	56.1
Core 02	ECM1	1100	UM	Overbridge	Multiple Overbridge [Bridge No 184Ua - 184Ud]	Clear	Clear	Clear	Clear	-50.7	-133.7
Core 02	ECM1	1100	UM	Tunnel	Peascliffe Tunnel [107 Miles 65 Chains]	Clear	Clear	81.4	30.7	2.1	-119.5
Core 02	ECM1	1100	UM	Signal Post	Signal Post: D144 [138 Miles 37 Chains]	Clear	Clear	Clear	Clear	-53.9	-137.1
Core 02	ECM1	1100	UM	Overbridge	Spital Bridge [Bridge No.187]	Clear	Clear	Clear	Clear	Clear	67.4
Core 02	ECM1	1100	UM	Tunnel	Stoke Tunnel [100 Miles 39 Chains]	Clear	Clear	Clear	72.9	22.0	-90.1
Core 02	ECM1	1200	US	Tunnel	Copenhagen West Bore [0 Miles 64 Chains]	Clear	Clear	84.7	29.7	-38.6	-164.5
Core 02	ECM1	1203	US	Underbridge	Swayfield [Bridge No.220]	Clear	Clear	Clear	Clear	Clear	93.8
Core 02	ECM1	2100	DM	Flat Deck Overbridge	A6065 [Bridge No.281A]	Clear	Clear	Clear	Clear	Clear	76.5
Core 02	ECM1	2100	DM	Tunnel	Askham Tunnel [134 Miles 37 Chains]	Clear	Clear	Clear	Clear	Clear	68.2
Core 02	ECM1	2100	DM	Tunnel	Copenhagen Centre Bore [0 Miles 64 Chains]	Clear	Clear	6.8	-27.4	-41.6	-178.8
Core 02	ECM1	2100	DM	Arched Overbridge	Endymion Road [Bridge No.20]	Clear	Clear	Clear	Clear	70.9	-24.8
Core 02	ECM1	2100	DM	Arched Overbridge	Gt. North Road [Bridge No 307A]	Clear	Clear	Clear	Clear	Clear	98.9
Core 02	ECM1	2100	DM	Tunnel	Peascliffe Tunnel [107 Miles 65 Chains]	Clear	Clear	59.6	31.6	9.9	-106.5
Core 02	ECM1	2100	DM	Signal Post	Signal Post: P331 [55 Miles 58 Chains]	Clear	Clear	Clear	95.2	Clear	38.5
Core 02	ECM1	2100	DM	Tunnel	Stoke Tunnel [100 Miles 39 Chains]	Clear	Clear	97.2	48.4	-6.4	-104.0
Core 02	ECM1	2200	DS	Tunnel	Copenhagen West Bore [0 Miles 64 Chains]	Clear	Clear	Clear	Clear	Clear	-12.5
Core 02	ECM1	2200	DS	Arched Overbridge	Endymion Road [Bridge No.20]	Clear	Clear	Clear	Clear	52.8	-36.7
Core 02	ECM1	2200	DS	Awning	Finsbury Park Station [Down Slow Awnings]	Clear	Clear	Clear	Clear	Clear	56.9
Core 02	ECM1	2202	DS	Flat Deck Overbridge	Bridge Road [Bridge No.89A]	Clear	Clear	Clear	Clear	Clear	93.8
Core 02	ECM1	2202	DS	Awning	Hitchin Station [Awning Down Slow]	Clear	Clear	Clear	Clear	-53.6	-33.6
Core 02	ECM1	2207	DS	Wall	Wall At North End Of Tunnel [139 Miles 34 Chains]	Clear	Clear	Clear	Clear	Clear	37.0
Core 02	ECM1	3201	Bi-dir	Arched Overbridge	Balby Bridge Tunnel [Bridge No.324]	Clear	Clear	Clear	Clear	Clear	63.0
Core 02	HDB	1100	UM	Awning	Bowes Park Station [Awning Up Line]	Clear	Clear	Clear	Clear	Clear	-20.1
Core 02	HDB	1100	UM	Arched Overbridge	Hoppers Road [Bridge No.10]	Clear	Clear	Clear	Clear	98.1	2.2

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Core 02	HDB	1100	UM	Awning	Palmers Green Station [Awning Up Line]	Clear	Clear	Clear	Clear	Clear	47.1
Core 02	HDB	1100	UM	Tunnel	Ponsbourne Tunnel [14 miles 59 chains]	Clear	Clear	Clear	Clear	Clear	56.8
Core 02	HDB	1100	UM	Arched Overbridge	Vicars Moor Lane [Bridge No.13]	Clear	Clear	Clear	Clear	13.5	-67.9
Core 02	HDB	2100	DM	Awning	Enfield Chase Station [Awning Down Line]	Clear	Clear	Clear	Clear	74.0	-40.1
Core 02	HDB	2100	DM	Awning	Hertford North Station [Awning Down Line]	Clear	Clear	Clear	Clear	Clear	25.3
Core 02	HDB	2100	DM	Arched Overbridge	Hoppers Road [Bridge No.10]	Clear	Clear	Clear	Clear	Clear	93.2
Core 02	HDB	2100	DM	Tunnel	Molewood Tunnel [20 miles 14 chains]	Clear	Clear	Clear	Clear	92.0	-42.3
Core 02	HDB	2100	DM	Tunnel	Ponsbourne Tunnel [14 miles 59 chains]	Clear	Clear	Clear	Clear	59.5	-69.9
Core 02	HDB	2100	DM	Arched Overbridge	Vicars Moor Lane [Bridge No.13]	Clear	Clear	Clear	Clear	Clear	65.2
Core 02	LEC1	1100	UM	Tunnel	Kensal Green Fast Lines Tunnel [Bridge No.24]	Clear	Clear	82.1	47.2	12.8	-118.6
Core 02	LEC1	1100	UM	Flat Deck Overbridge	Kilburn High Road A5 [Bridge No.19]	Clear	Clear	Clear	97.6	-20.6	-80.6
Core 02	LEC1	1100	UM	Flat Deck Overbridge	Kilburn High Road Carrying Shops [Bridge No.19A]	Clear	Clear	Clear	97.6	-20.6	-80.6
Core 02	LEC1	1100	UM	Flat Deck Overbridge	Kilburn Priory [Bridge No.16]	Clear	Clear	Clear	42.2	-48.8	-117.5
Core 02	LEC1	1100	UM	Tunnel	Primrose Hill Fast Lines Tunnel [Bridge No.12]	Clear	Clear	Clear	Clear	Clear	64.9
Core 02	LEC1	1100	UM	Footbridge	Queens Park Station Footbridge [Bridge No.21]	Clear	Clear	Clear	93.5	19.0	-84.3
Core 02	LEC1	1100	UM	Signal	Signal [3 Miles 71 Chains]	Clear	Clear	Clear	Clear	11.9	-239.5
Core 02	LEC1	1200	US	Tunnel	Kensal Green Slow Lines Tunnel [Bridge No.24]	Clear	Clear	Clear	Clear	Clear	14.5
Core 02	LEC1	1200	US	Flat Deck Overbridge	Kilburn Priory [Bridge No.16]	Clear	Clear	Clear	Clear	Clear	33.2
Core 02	LEC1	1200	US	Tunnel	Primrose Hill Slow Lines Tunnel [Bridge No.12]	Clear	Clear	Clear	79.7	85.9	-42.8
Core 02	LEC1	2100	DM	Flat Deck Overbridge	Abbey Road [Bridge No.15]	Clear	Clear	Clear	Clear	Clear	99.2
Core 02	LEC1	2100	DM	Tunnel	Kensal Green Fast Lines Tunnel [Bridge No.24]	Clear	Clear	-14.4	-43.2	-73.9	-210.5
Core 02	LEC1	2100	DM	Flat Deck Overbridge	Kilburn High Road A5 [Bridge No.19]	Clear	Clear	47.3	10.1	25.1	-67.4
Core 02	LEC1	2100	DM	Flat Deck Overbridge	Kilburn High Road Carrying Shops [Bridge No.19A]	Clear	Clear	Clear	63.2	87.7	-15.0
Core 02	LEC1	2100	DM	Flat Deck Overbridge	Kilburn Priory [Bridge No.16]	Clear	Clear	Clear	Clear	44.7	-73.5
Core 02	LEC1	2100	DM	Tunnel	Primrose Hill Fast Lines Tunnel [Bridge No.12]	Clear	Clear	Clear	91.2	Clear	-24.8
Core 02	LEC1	2100	DM	Flat Deck Overbridge	Salisbury Road [Bridge No.20]	Clear	Clear	Clear	Clear	Clear	58.2
Core 02	LEC1	2100	DM	Signal Gantry	Signal Gantry [4 Miles 72 Chains]	Clear	Clear	Clear	Clear	Clear	64.5
Core 02	LEC1	2200	DS	Tunnel	Kensal Green Slow Lines Tunnel [Bridge No.24]	Clear	Clear	Clear	Clear	83.3	-53.0
Core 02	LEC1	2200	DS	Flat Deck Overbridge	Kilburn Priory [Bridge No.16]	Clear	Clear	Clear	Clear	Clear	36.0
Core 02	LEC1	2200	DS	Tunnel	Primrose Hill Slow Lines Tunnel [Bridge No.12]	Clear	Clear	Clear	Clear	Clear	-28.6
Core 03	BSW	1101	UM	Tunnel	Ableton Lane Tunnel [Bridge No.1050Q]	Clear	Clear	Clear	Clear	Clear	44.0
Core 03	BSW	1101	UM	Arched Overbridge	Farm Road [Bridge No.1556H]	Clear	Clear	Clear	89.7	16.1	-109.7
Core 03	BSW	1101	UM	Tunnel	Patchway Up New Tunnel [Bridge No.656]	Clear	Clear	Clear	Clear	Clear	87.3
Core 03	BSW	1101	UM	Tunnel	Severn Tunnel [Bridge No.1100H]	Clear	Clear	Clear	Clear	56.2	-71.6
Core 03	BSW	2101	DM	Tunnel	Ableton Lane Tunnel [Bridge No.1050Q]	Clear	Clear	Clear	Clear	Clear	88.1
Core 03	BSW	2101	DM	Arched Overbridge	Farm Road [Bridge No.1556H]	Clear	Clear	96.2	32.4	-24.6	-151.6
Core 03	BSW	2101	DM	Tunnel	Patchway Tunnel [Bridge No.668Q]	Clear	Clear	Clear	54.9	-21.6	-157.7
Core 03	BSW	2101	DM	Tunnel	Severn Tunnel [Bridge No.1100H]	Clear	Clear	Clear	99.9	79.6	-49.1
Core 03	MLN1	1100	UM	Arched Overbridge	Bourton [Bridge No.7215]	Clear	Clear	Clear	Clear	Clear	75.3
Core 03	MLN1	1100	UM	Arched Overbridge	Broad Town Road [Bridge No.8268H]	Clear	Clear	9.6	-66.6	-161.8	-275.0
Core 03	MLN1	1100	UM	Arched Overbridge	Dog Kennel Lane [Bridge No.1519]	Clear	Clear	Clear	Clear	Clear	10.0
Core 03	MLN1	1100	UM	Arched Overbridge	Hay Lane [Bridge No.8030]	Clear	Clear	97.2	25.2	-83.1	-189.9
Core 03	MLN1	1100	UM	Awning	Hayes & Harlington Station Awning [Up Main Platform]	Clear	Clear	Clear	Clear	Clear	78.3
Core 03	MLN1	1100	UM	Arched Overbridge	Iver Lane [Bridge No.1450HA]	Clear	Clear	Clear	Clear	Clear	55.3
Core 03	MLN1	1100	UM	Arched Overbridge	Leathern Bottel Spring Bridge [Bridge No.4566]	Clear	Clear	Clear	Clear	Clear	92.4
Core 03	MLN1	1100	UM	Arched Overbridge	Leigh Road [Bridge No.1974]	Clear	Clear	Clear	54.0	-46.5	-138.8
Core 03	MLN1	1100	UM	Awning	Maidenhead Station Awning [Up Main Platform]	Clear	Clear	Clear	Clear	36.9	-48.4
Core 03	MLN1	1100	UM	Arched Overbridge	Roman Road [Bridge No.7508Q]	Clear	Clear	69.3	5.4	-51.0	-179.5
Core 03	MLN1	1100	UM	Arched Overbridge	Sands Road [Bridge No.5055]	Clear	Clear	Clear	Clear	91.3	-1.7
Core 03	MLN1	1100	UM	Signal	Signal [46 Miles 6 Chains]	Clear	Clear	Clear	Clear	-16.6	-112.6

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Core 03	MLN1	1100	UM	Signal	Signal [46 Miles 60 Chains]	Clear	Clear	Clear	Clear	-6.1	-68.0
Core 03	MLN1	1100	UM	Signal	Signal [50 Miles 39 Chains]	Clear	Clear	Clear	Clear	Clear	50.3
Core 03	MLN1	1100	UM	Signal Gantry	Signal Gantry [14 Miles 2 Chains]	Clear	Clear	Clear	Clear	20.8	-69.3
Core 03	MLN1	1100	UM	Signal Gantry	Signal Gantry [15 Miles 40 Chains]	Clear	Clear	Clear	Clear	Clear	79.0
Core 03	MLN1	1100	UM	Signal Gantry	Signal Gantry [21 Miles 10 Chains]	Clear	Clear	Clear	Clear	Clear	48.7
Core 03	MLN1	1100	UM	Signal Gantry	Signal Gantry [21 Miles 53 Chains]	Clear	Clear	Clear	Clear	69.4	-26.6
Core 03	MLN1	1100	UM	Signal Gantry	Signal Gantry [21 Miles 72 Chains]	Clear	Clear	Clear	Clear	63.4	-27.9
Core 03	MLN1	1100	UM	Signal Gantry	Signal Gantry [22 Miles 61 Chains]	Clear	Clear	Clear	Clear	81.3	-14.8
Core 03	MLN1	1100	UM	Signal Gantry	Signal Gantry: R174 [52 Miles 46 Chains]	Clear	Clear	Clear	Clear	-16.9	-112.7
Core 03	MLN1	1100	UM	Arched Overbridge	Stanton [Bridge No.7451]	Clear	Clear	Clear	Clear	70.5	-12.7
Core 03	MLN1	1100	UM	Arched Overbridge	Steventon B4017 [Bridge No.5638Q]	Clear	Clear	Clear	Clear	Clear	45.0
Core 03	MLN1	1100	UM	Arched Overbridge	Stock Bridge [Bridge No.5112]	Clear	Clear	Clear	Clear	Clear	41.7
Core 03	MLN1	1100	UM	Arched Overbridge	Templars Farm [Bridge No.8242]	Clear	Clear	68.2	-13.4	-142.6	-235.1
Core 03	MLN1	1100	UM	Awnning	Tilehurst Station [Platform 2 Awning]	Clear	Clear	Clear	Clear	-0.7	-74.5
Core 03	MLN1	1100	UM	Flat Deck Overbridge	Unnamed [Bridge No.1077Q & 1077QB]	Clear	Clear	Clear	Clear	Clear	89.9
Core 03	MLN1	1100	UM	Arched Overbridge	West Drayton Horton Lane [Bridge No.1274]	Clear	Clear	Clear	Clear	1.9	-96.0
Core 03	MLN1	1100	UM	Arched Overbridge	West Drayton Stockley Road [Bridge No.1224]	Clear	Clear	Clear	Clear	Clear	5.5
Core 03	MLN1	1200	US	Flat Deck Overbridge	A406 [Bridge No.525H]	Clear	Clear	Clear	Clear	Clear	41.0
Core 03	MLN1	1200	US	Awnning	Burnham Station Awning [Up Relief Platform]	Clear	Clear	Clear	Clear	25.3	-57.4
Core 03	MLN1	1200	US	Arched Overbridge	Dog Kennel Lane [Bridge No.1519]	Clear	Clear	53.9	-61.5	-159.6	
Core 03	MLN1	1200	US	Awnning	Hanwell Station Awning [Up Relief Platform]	Clear	Clear	Clear	Clear	Clear	42.5
Core 03	MLN1	1200	US	Overbridge	Hayes & Harlington Station [Bridge No.1077QB]	Clear	Clear	Clear	Clear	Clear	34.5
Core 03	MLN1	1200	US	Intersection	Intersects LUL [Bridge No.513Q]	Clear	Clear	Clear	Clear	Clear	41.2
Core 03	MLN1	1200	US	Arched Overbridge	Iver Lane [Bridge No.1450HA]	Clear	Clear	71.9	-12.0	-132.3	-225.2
Core 03	MLN1	1200	US	Arched Overbridge	Leathern Bottel Spring Bridge [Bridge No.4566]	Clear	Clear	Clear	Clear	Clear	56.7
Core 03	MLN1	1200	US	Arched Overbridge	Leigh Road [Bridge No.1974]	Clear	Clear	69.5	-6.3	-130.0	-225.9
Core 03	MLN1	1200	US	Awnning	Maidenhead Station Awning [Up Relief Platform]	Clear	Clear	Clear	Clear	Clear	39.5
Core 03	MLN1	1200	US	Overbridge	Middle Green [Bridge No.1718H]	Clear	Clear	Clear	Clear	32.5	-50.3
Core 03	MLN1	1200	US	Awnning	Pangbourne Station Awning [Up Relief Platform]	Clear	Clear	Clear	Clear	6.4	-78.6
Core 03	MLN1	1200	US	Arched Overbridge	Sands Road [Bridge No.5055]	Clear	Clear	Clear	50.3	-67.8	-165.9
Core 03	MLN1	1200	US	Arched Overbridge	St Marys Road [Bridge No.1668H]	Clear	Clear	Clear	Clear	88.0	0.0
Core 03	MLN1	1200	US	Flat Deck Overbridge	Station Bridge [Bridge No.561 & 561H]	Clear	Clear	Clear	Clear	66.3	-16.2
Core 03	MLN1	1200	US	Arched Overbridge	Stock Bridge [Bridge No.5112]	Clear	Clear	60.3	-52.3	-153.8	
Core 03	MLN1	1200	US	Arched Overbridge	Tilehurst New Hill [Bridge No.3947]	Clear	Clear	Clear	Clear	Clear	25.4
Core 03	MLN1	1200	US	Footbridge	Tilehurst Roebuck Footbridge [Bridge No.3872]	Clear	Clear	Clear	Clear	-14.5	-107.6
Core 03	MLN1	1200	US	Awnning	Twyford Station Awning [Up Relief Platform 4]	Clear	Clear	Clear	Clear	94.3	8.3
Core 03	MLN1	1200	US	Flat Deck Overbridge	Unnamed [Bridge No.570H, 570 & 569H]	Clear	Clear	Clear	Clear	Clear	-18.9
Core 03	MLN1	1200	US	Overbridge	Unnamed [Bridge No.642 & 642Q]	Clear	Clear	Clear	Clear	95.5	18.0
Core 03	MLN1	1200	US	Arched Overbridge	West Drayton Horton Lane [Bridge No.1274]	Clear	Clear	77.0	-41.1	-136.4	
Core 03	MLN1	1200	US	Arched Overbridge	West Drayton Stockley Road [Bridge No.1224]	Clear	Clear	62.0	-59.3	-154.7	
Core 03	MLN1	1200	US	Arched Overbridge	Westbury Lane [Bridge No.4010]	Clear	Clear	Clear	Clear	-4.2	-94.7
Core 03	MLN1	1301	UG	Awnning	West Drayton Awning [Up Goods]	Clear	Clear	Clear	Clear	83.9	1.9
Core 03	MLN1	2100	DM	Flat Deck Overbridge	A406 [Bridge No.525H]	Clear	Clear	Clear	Clear	Clear	25.1
Core 03	MLN1	2100	DM	Arched Overbridge	Bourton [Bridge No.7215]	Clear	Clear	Clear	Clear	52.2	-42.2
Core 03	MLN1	2100	DM	Arched Overbridge	Bourton Church [Bridge No.7169T]	Clear	Clear	Clear	Clear	Clear	98.9
Core 03	MLN1	2100	DM	Arched Overbridge	Dog Kennel Lane [Bridge No.1519]	Clear	Clear	Clear	Clear	Clear	41.0
Core 03	MLN1	2100	DM	Arched Overbridge	Hay Lane [Bridge No.8030]	Clear	Clear	Clear	Clear	Clear	74.4
Core 03	MLN1	2100	DM	Intersection	Intersects LUL [Bridge No.513Q]	Clear	Clear	Clear	Clear	Clear	99.7
Core 03	MLN1	2100	DM	Arched Overbridge	Iver Lane [Bridge No.1450HA]	Clear	Clear	Clear	72.6	-67.1	-164.6
Core 03	MLN1	2100	DM	Arched Overbridge	Leathern Bottel Spring Bridge [Bridge No.4566]	Clear	Clear	Clear	Clear	40.5	-58.2

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Core 03	MLN1	2100	DM	Arched Overbridge	Leigh Road [Bridge No.1974]	Clear	Clear	Clear	Clear	45.1	-49.3
Core 03	MLN1	2100	DM	Overbridge	Middle Green [Bridge No.1718H]	Clear	Clear	Clear	Clear	66.7	-47.1
Core 03	MLN1	2100	DM	Awning	Reading Station Awning [Down Main Platform]	Clear	Clear	Clear	13.6	-79.8	-150.6
Core 03	MLN1	2100	DM	Arched Overbridge	Roman Road [Bridge No.7508Q]	Clear	Clear	Clear	Clear	60.1	-63.7
Core 03	MLN1	2100	DM	Arched Overbridge	Sands Road [Bridge No.5055]	Clear	Clear	Clear	Clear	Clear	80.0
Core 03	MLN1	2100	DM	Arched Overbridge	St Marys Road [Bridge No.1668H]	Clear	Clear	94.8	18.8	-103.7	-199.2
Core 03	MLN1	2100	DM	Arched Overbridge	Stanton [Bridge No.7451]	Clear	Clear	Clear	Clear	93.0	3.4
Core 03	MLN1	2100	DM	Arched Overbridge	Steventon B4017 [Bridge No.5638Q]	Clear	Clear	Clear	Clear	51.5	-44.3
Core 03	MLN1	2100	DM	Arched Overbridge	Stock Bridge [Bridge No.5112]	Clear	Clear	Clear	Clear	Clear	11.2
Core 03	MLN1	2100	DM	Arched Overbridge	Stratton Green [Bridge No.7562Q]	Clear	Clear	Clear	Clear	Clear	96.8
Core 03	MLN1	2100	DM	Arched Overbridge	Trenches Bridge [Bridge No.1657H]	Clear	Clear	99.1	25.9	-95.0	-191.5
Core 03	MLN1	2100	DM	Flat Deck Overbridge	Unnamed [Bridge No.1077Q & 1077QB]	Clear	Clear	Clear	Clear	12.1	-76.0
Core 03	MLN1	2100	DM	Arched Overbridge	West Drayton Stockley Road [Bridge No.1224]	Clear	Clear	Clear	Clear	30.3	-50.0
Core 03	MLN1	2100	DM	Overbridge	West Ealing Station Road [Bridge No.642]	Clear	Clear	Clear	Clear	Clear	16.3
Core 03	MLN1	2100	DM	Arched Overbridge	Wexham Road [Bridge No.1805]	Clear	Clear	Clear	Clear	16.2	-79.6
Core 03	MLN1	2200	DS	Flat Deck Overbridge	A406 [Bridge No.525H]	Clear	Clear	Clear	Clear	24.3	-63.4
Core 03	MLN1	2200	DS	Awning	Burnham Station Awning [Down Relief Platform]	Clear	Clear	68.8	-29.3	-188.5	-259.9
Core 03	MLN1	2200	DS	Arched Overbridge	Dog Kennel Lane [Bridge No.1519]	Clear	Clear	Clear	69.7	-63.8	-158.4
Core 03	MLN1	2200	DS	Footbridge	Footbridge [Bridge No.910HA]	Clear	Clear	Clear	Clear	Clear	2.2
Core 03	MLN1	2200	DS	Arched Overbridge	Iver Lane [Bridge No.1450HA]	Clear	Clear	63.9	-70.1	-165.0	
Core 03	MLN1	2200	DS	Arched Overbridge	Leathern Bottel Spring Bridge [Bridge No.4566]	Clear	Clear	Clear	Clear	82.9	-33.8
Core 03	MLN1	2200	DS	Arched Overbridge	Leigh Road [Bridge No.1974]	Clear	Clear	72.1	-9.7	-113.7	-213.6
Core 03	MLN1	2200	DS	Awning	Maidenhead Station Awning [Down Relief Platform]	Clear	Clear	Clear	Clear	36.8	-48.5
Core 03	MLN1	2200	DS	Overbridge	Middle Green [Bridge No.1718H]	Clear	Clear	Clear	Clear	-7.2	-96.9
Core 03	MLN1	2200	DS	Flat Deck Overbridge	Noel Road [Bridge No.473]	Clear	Clear	Clear	Clear	48.3	-38.9
Core 03	MLN1	2200	DS	Awning	Reading Station Awning [Down Relief Platform]	Clear	Clear	Clear	Clear	25.5	-59.1
Core 03	MLN1	2200	DS	Arched Overbridge	Sands Road [Bridge No.5055]	Clear	Clear	56.6	-23.3	-146.9	-243.9
Core 03	MLN1	2200	DS	Signal Gantry	Signal Gantry [30 Miles 8 Chains]	Clear	Clear	Clear	Clear	81.6	-15.0
Core 03	MLN1	2200	DS	Arched Overbridge	St Marys Road [Bridge No.1668H]	Clear	Clear	Clear	87.4	-37.7	-132.1
Core 03	MLN1	2200	DS	Flat Deck Overbridge	Station Bridge [Bridge No.561 & 561H]	Clear	Clear	Clear	Clear	43.6	-80.9
Core 03	MLN1	2200	DS	Arched Overbridge	Stock Bridge [Bridge No.5112]	Clear	Clear	18.1	-57.2	-172.6	-268.8
Core 03	MLN1	2200	DS	Footbridge	Thorney Lane Footbridge [Bridge No.1450HB]	Clear	Clear	Clear	Clear	11.7	-74.3
Core 03	MLN1	2200	DS	Arched Overbridge	Tilehurst New Hill [Bridge No.3947]	Clear	Clear	25.9	-50.8	-151.0	-258.9
Core 03	MLN1	2200	DS	Awning	Tilehurst Station [Platform 3 Awning]	Clear	Clear	Clear	Clear	Clear	78.5
Core 03	MLN1	2200	DS	Awning	Twyford Station Awning [Down Relief Platform 3]	Clear	Clear	Clear	Clear	Clear	53.1
Core 03	MLN1	2200	DS	Arched Overbridge	West Drayton Horton Lane [Bridge No.1274]	Clear	Clear	Clear	Clear	Clear	99.3
Core 03	MLN1	2200	DS	Arched Overbridge	West Drayton Stockley Road [Bridge No.1224]	Clear	Clear	Clear	Clear	82.7	-12.3
Core 03	MLN1	2200	DS	Arched Overbridge	Westbury Lane [Bridge No.4010]	Clear	Clear	5.6	-66.9	-168.9	-277.8
Core 03	MLN1	3200	Bi-dir	Arched Overbridge	Foxhall Lane [Bridge No.5341]	Clear	Clear	56.5	-25.2	-124.2	-223.3
Core 03	MLN1	3501	Bi-dir	Awning	Reading Station Awning [Platform 5]	Clear	Clear	Clear	Clear	67.8	-15.5
Core 03	SWB	1100	UM	Arched Overbridge	Accommodation [Bridge No.11115]	Clear	Clear	Clear	Clear	-11.0	-107.9
Core 03	SWB	1100	UM	Arched Overbridge	Accommodation [Bridge No.8558]	Clear	Clear	Clear	30.6	-93.9	-188.4
Core 03	SWB	1100	UM	Arched Overbridge	Accommodation [Bridge No.9664T]	Clear	Clear	Clear	Clear	-13.9	-108.0
Core 03	SWB	1100	UM	Arched Overbridge	Pearsons Brick Yard [Bridge No.11132Q]	Clear	Clear	Clear	Clear	Clear	71.1
Core 03	SWB	1100	UM	Tunnel	Sodbury Tunnel [Bridge No.10106H]	Clear	Clear	Clear	Clear	Clear	1.4
Core 03	SWB	2100	DM	Arched Overbridge	Accommodation [Bridge No.11115]	Clear	Clear	Clear	Clear	22.1	-74.2
Core 03	SWB	2100	DM	Arched Overbridge	Accommodation [Bridge No.8558]	Clear	Clear	44.4	-81.3	-177.3	
Core 03	SWB	2100	DM	Arched Overbridge	Accommodation [Bridge No.9664T]	Clear	Clear	Clear	Clear	15.5	-80.4
Core 03	SWB	2100	DM	Tunnel	Alderton Tunnel [Bridge No.9734Q]	Clear	Clear	61.5	27.4	-106.9	
Core 03	SWB	2100	DM	Arched Overbridge	Pearsons Brick Yard [Bridge No.11132Q]	Clear	Clear	Clear	95.1	-29.5	-125.8

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Core 03	SWB	2100	DM	Flat Deck Overbridge	Road [Bridge No.8675H]	Clear	Clear	Clear	Clear	Clear	35.1
Core 03	SWB	2100	DM	Tunnel	Sodbury Tunnel [Bridge No.10106H]	Clear	Clear	93.8	55.2	4.3	-126.8
Core 03	SWM2	1100	UM	Overbridge	Hugget's Road [Bridge No.15042H]	Clear	Clear	Clear	Clear	0.3	-95.8
Core 03	SWM2	1100	UM	Tunnel	Newport New Tunnel [Bridge No.15870]	Clear	Clear	Clear	Clear	Clear	55.8
Core 03	SWM2	1100	UM	Signal	Signal [158 Miles 52 Chains]	Clear	Clear	Clear	Clear	Clear	61.3
Core 03	SWM2	1100	UM	Signal Gantry	Signal Gantry [149 Miles 24 Chains]	Clear	Clear	Clear	Clear	Clear	34.4
Core 03	SWM2	1100	UM	Overbridge	Somerton Road [Bridge No.15670]	Clear	Clear	Clear	Clear	Clear	68.0
Core 03	SWM2	1202	US	Overbridge	Cardiff Road Or Oaks [Bridge No.15951H]	Clear	Clear	Clear	Clear	Clear	83.3
Core 03	SWM2	1202	US	Overbridge	Cardiff Road Ur [Bridge No.15952/15951h]	Clear	Clear	Clear	Clear	Clear	77.3
Core 03	SWM2	1202	US	Tunnel	Newport Old Tunnel [Bridge No.15871]	Clear	Clear	-42.1	-76.3	-154.7	-222.9
Core 03	SWM2	1202	US	Signal Gantry	Signal Gantry [158 Miles 69 Chains]	Clear	Clear	Clear	Clear	34.7	-44.4
Core 03	SWM2	1800	Siding	Awning	Newport Station [Platform 3 Awning]	Clear	Clear	Clear	Clear	Clear	99.0
Core 03	SWM2	2100	DM	Overbridge	Hugget's Road [Bridge No.15042H]	Clear	Clear	Clear	Clear	Clear	27.6
Core 03	SWM2	2100	DM	Intersection	Intersects Wv1/swm2 [Bridge No.15952]	Clear	Clear	Clear	Clear	Clear	76.7
Core 03	SWM2	2100	DM	Awning	Newport Station [Down Platform 2 Awning]	Clear	Clear	Clear	Clear	Clear	96.9
Core 03	SWM2	2100	DM	Signal Gantry	Signal Gantry [149 Miles 24 Chains]	Clear	Clear	Clear	Clear	Clear	95.7
Core 03	SWM2	2100	DM	Signal Gantry	Signal Gantry [162 Miles 8 Chains]	Clear	Clear	Clear	Clear	Clear	97.7
Core 03	SWM2	2200	DS	Overbridge	Br.15952 & 15951h & Fence [Bridge No.15952 & 15951H]	Clear	Clear	Clear	Clear	Clear	94.6
Core 03	SWM2	2200	DS	Overbridge	Cardiff Road Or Oaks [Bridge No.15951H]	Clear	Clear	Clear	Clear	Clear	54.7
Core 03	SWM2	2200	DS	Overbridge	Hugget's Road [Bridge No.15042H]	Clear	Clear	Clear	Clear	Clear	35.0
Core 03	SWM2	2200	DS	Overbridge	Magor Road [Bridge No.15115]	Clear	Clear	Clear	Clear	Clear	54.1
Core 03	SWM2	2200	DS	Tunnel	Newport Old Tunnel [Bridge No.15871]	81.1	81.1	-61.0	-127.6	-178.3	-276.1
Core 03	SWM2	2200	DS	Overbridge	Roberts Road [Bridge No.15015]	Clear	Clear	Clear	Clear	Clear	17.0
Core 04	HOU	1100	UM	Awning	Chiswick Station Awning [Up Platform]	Clear	Clear	Clear	Clear	81.7	4.1
Core 04	HOU	2100	DM	Awning	Barnes Bridge Station [Platform 2]	Clear	Clear	Clear	Clear	Clear	12.7
Core 04	RDG1	1100	UM	Flat Deck Overbridge	Charleswood Road [Bridge No.18]	Clear	Clear	Clear	Clear	Clear	29.8
Core 04	RDG1	1100	UM	Flat Deck Overbridge	Putney Station Buildings, Footbridge & Putney High Street [Bridge No.15A & 16]	Clear	Clear	Clear	Clear	Clear	70.3
Core 04	RDG1	1100	UM	Arched Overbridge	Woodlands Way Bridge [Bridge No.13]	Clear	Clear	Clear	Clear	-17.1	-114.4
Core 04	RDG1	1200	US	Awning	Barnes Station [Up Slow Aawning]	Clear	Clear	Clear	Clear	Clear	92.8
Core 04	RDG1	1200	US	Flat Deck Overbridge	Charleswood Road [Bridge No.18]	Clear	Clear	Clear	Clear	Clear	84.8
Core 04	RDG1	1200	US	Awning	Putney Station [Platform 1 Awning]	Clear	Clear	Clear	Clear	21.0	-61.5
Core 04	RDG1	1200	US	Arched Overbridge	Woodlands Way & Gas Pipe [Bridge No.13 & 13A]	Clear	Clear	Clear	66.0	-40.2	-137.4
Core 04	RDG1	2100	DM	Awning	Putney Station [Platform 3 Awning]	Clear	Clear	Clear	85.0	38.7	-76.8
Core 04	RDG1	2100	DM	Awning	Wandsworth Town Station [Platform 2 Awning]	Clear	Clear	Clear	97.8	-77.8	-151.0
Core 04	RDG1	2100	DM	Arched Overbridge	Woodlands Way Bridge [Bridge No.13]	Clear	Clear	Clear	Clear	-19.0	-109.2
Core 04	RDG1	2201	DS	Flat Deck Overbridge	Charleswood Road [Bridge No.18]	Clear	Clear	Clear	Clear	Clear	87.1
Core 04	RDG1	2201	DS	Arched Overbridge	Oxford Road [Bridge No.3/15]	Clear	Clear	Clear	Clear	Clear	77.0
Core 04	RDG1	2201	DS	Flat Deck Overbridge	Putney Station Buildings, Footbridge & Putney High Street [Bridge No.15A & 16]	Clear	Clear	Clear	Clear	Clear	42.3
Core 04	RDG1	2201	DS	Retaining Wall	Retaining Wall [5 Miles 20 Chains]	Clear	Clear	81.3	77.6	Clear	34.1
Core 04	RDG1	2201	DS	Arched Overbridge	Woodlands Way Bridge [Bridge No.13]	Clear	Clear	Clear	Clear	-9.1	-104.0
Core 04	RED2	1100	UM	Awning	Coulsdon South Station [Platform 1]	Clear	Clear	Clear	Clear	Clear	16.4
Core 04	RED2	1100	UM	Awning	Merstham Station [Platform 1]	Clear	Clear	Clear	Clear	Clear	31.5
Core 04	RED2	1100	UM	Tunnel	Merstham Tunnel [Tunnel No.6]	Clear	Clear	82.5	62.0	Clear	-21.0
Core 04	RED2	2100	DM	Tunnel	Merstham Tunnel [Tunnel No.6]	Clear	Clear	81.1	60.9	94.7	-29.4
Core 04	RTT	1100	UM	Arched Overbridge	Becketts [Bridge No.71]	Clear	Clear	Clear	Clear	34.8	-62.2
Core 04	RTT	1100	UM	Tunnel	Bletchingley Tunnel [Tunnel No.38]	Clear	Clear	81.9	53.3	53.7	-81.6
Core 04	RTT	1100	UM	Arched Overbridge	Bough Beech [Bridge No.64]	Clear	Clear	Clear	Clear	Clear	33.1
Core 04	RTT	1100	UM	Arched Overbridge	Cold Blow [Bridge No.69]	Clear	Clear	Clear	Clear	37.9	-49.9
Core 04	RTT	1100	UM	Tunnel	Penshurst [38 Miles 13 Chains]	Clear	Clear	91.1	34.0	-24.5	-152.0

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Core 04	RTT	1100	UM	Arched Overbridge	Philanthropic [Bridge No.25]	Clear	Clear	Clear	Clear	38.9	-53.4
Core 04	RTT	2100	DM	Arched Overbridge	Becketts [Bridge No.71]	Clear	Clear	Clear	Clear	62.5	-27.4
Core 04	RTT	2100	DM	Arched Overbridge	Black Heath [Bridge No.74]	Clear	Clear	Clear	Clear	-30.6	-119.0
Core 04	RTT	2100	DM	Tunnel	Bletchingley Tunnel [Tunnel No.38]	Clear	Clear	78.9	39.1	39.0	-91.5
Core 04	RTT	2100	DM	Arched Overbridge	Bombers [Bridge No.53]	Clear	Clear	Clear	Clear	Clear	78.7
Core 04	RTT	2100	DM	Arched Overbridge	Bough Beech [Bridge No.64]	Clear	Clear	Clear	Clear	-27.4	-121.5
Core 04	RTT	2100	DM	Arched Overbridge	Cold Blow [Bridge No.69]	Clear	Clear	Clear	Clear	-8.2	-96.4
Core 04	RTT	2100	DM	Tunnel	Penshurst [38 Miles 13 Chains]	Clear	Clear	67.6	-0.6	-38.0	-162.7
Core 04	RTT	2100	DM	Arched Overbridge	Philanthropic [Bridge No.25]	Clear	Clear	Clear	Clear	-26.3	-118.7
Core 04	SBJ	1103	UM	Arched Overbridge	Allotment [Bridge No.628]	Clear	Clear	Clear	32.7	-101.4	-197.9
Core 04	SBJ	1103	UM	Arched Overbridge	Castle Farm [Bridge No.537]	Clear	Clear	Clear	Clear	-16.9	-113.3
Core 04	SBJ	1103	UM	Tunnel	Eynsford Tunnel [Tunnel No.532]	Clear	Clear	85.1	58.5	41.5	-94.3
Core 04	SBJ	1103	UM	Arched Overbridge	Godington Road [Bridge No.698]	Clear	Clear	Clear	Clear	-7.7	-103.7
Core 04	SBJ	1103	UM	Arched Overbridge	Raigersfield [Bridge No.620]	Clear	Clear	Clear	43.5	-103.9	-197.2
Core 04	SBJ	1103	UM	Underbridge	River Medway [Bridge No.610]	Clear	Clear	Clear	Clear	2.4	-97.7
Core 04	SBJ	1103	UM	Arched Overbridge	Walmisleys [Bridge No.573]	Clear	Clear	Clear	Clear	69.5	-29.9
Core 04	SBJ	1103	UM	Tunnel	Week Street Tunnel [Tunnel No.612]	Clear	Clear	Clear	Clear	50.8	-63.1
Core 04	SBJ	1103	UM	Arched Overbridge	Westwell Leacon [Bridge No.679]	Clear	Clear	Clear	Clear	-9.3	-111.3
Core 04	SBJ	1103	UM	Tunnel	Wheeler Street Tunnel [Tunnel No.613]	Clear	Clear	Clear	91.5	41.3	-87.4
Core 04	SBJ	1103	UM	Arched Overbridge	Wratham Road [Bridge No.569]	Clear	Clear	Clear	Clear	-15.3	-111.8
Core 04	SBJ	2100	DM	Arched Overbridge	Allotment [Bridge No.628]	Clear	Clear	Clear	52.4	-84.3	-181.4
Core 04	SBJ	2100	DM	Flat Deck Overbridge	Bull Bridge [Bridge No.584]	Clear	Clear	Clear	Clear	Clear	98.5
Core 04	SBJ	2100	DM	Tunnel	Eynsford Tunnel [Tunnel No.532]	Clear	Clear	Clear	90.7	76.2	-58.3
Core 04	SBJ	2100	DM	Arched Overbridge	Godington Road [Bridge No.698]	Clear	Clear	Clear	Clear	50.0	-38.4
Core 04	SBJ	2100	DM	Arched Overbridge	Raigersfield [Bridge No.620]	Clear	Clear	89.3	23.6	-83.7	-178.8
Core 04	SBJ	2100	DM	Underbridge	River Medway [Bridge No.610]	Clear	Clear	Clear	Clear	-13.4	-107.2
Core 04	SBJ	2100	DM	Arched Overbridge	Walmisleys [Bridge No.573]	Clear	Clear	Clear	Clear	10.2	-85.8
Core 04	SBJ	2100	DM	Tunnel	Week Street Tunnel [Tunnel No.612]	Clear	Clear	Clear	Clear	-4.3	-116.0
Core 04	SBJ	2100	DM	Arched Overbridge	Westwell Leacon [Bridge No.679]	Clear	Clear	Clear	90.2	-26.4	-123.4
Core 04	SBJ	2100	DM	Tunnel	Wheeler Street Tunnel [Tunnel No.613]	Clear	Clear	Clear	Clear	88.0	-49.6
Core 04	SBJ	2100	DM	Arched Overbridge	Wratham Road [Bridge No.569]	Clear	Clear	Clear	41.9	-81.1	-178.3
Core 04	VIR	1100	UM	Arched Overbridge	Downs Bridge Road [Bridge No.54]	Clear	Clear	Clear	17.2	-87.6	-184.6
Core 04	VIR	1100	UM	Arched Overbridge	High Street Southend Road [Bridge No.51]	Clear	Clear	Clear	78.5	-45.1	-141.2
Core 04	VIR	1100	UM	Flat Deck Overbridge	Hunts Slip Road [Bridge No.34]	Clear	Clear	Clear	Clear	Clear	85.8
Core 04	VIR	1100	UM	Intersection	Intersects Xtd [Bridge No.80]	Clear	Clear	Clear	Clear	Clear	59.4
Core 04	VIR	1100	UM	Tunnel	Penge Tunnel [Tunnel No.36]	Clear	Clear	-20.7	-71.1	-124.3	-248.1
Core 04	VIR	1100	UM	Overbridge	Shop & Bromley High Street [Bridge No.66A,67 & 67A]	Clear	Clear	Clear	Clear	Clear	22.4
Core 04	VIR	1100	UM	Flat Deck Overbridge	Southborough Road [Bridge No.76]	Clear	Clear	Clear	Clear	91.8	8.2
Core 04	VIR	1100	UM	Footbridge	Waterworks [Bridge No.59]	Clear	Clear	Clear	Clear	Clear	41.0
Core 04	VIR	1100	UM	Arched Overbridge	Westgate Road [Bridge No.53]	Clear	Clear	19.2	-58.0	-176.3	-272.4
Core 04	VIR	1201	US	Awning	Bromley South Station [Up Slow Aawning]	Clear	Clear	Clear	Clear	86.8	0.0
Core 04	VIR	1201	US	Intersection	Intersects Xtd [Bridge No.80]	Clear	Clear	Clear	Clear	Clear	96.0
Core 04	VIR	1201	US	Awning	Shortlands Station [Up Slow Aawning]	Clear	Clear	Clear	Clear	Clear	20.1
Core 04	VIR	1201	US	Awning	Swanley Station [Up Slow Aawning]	Clear	Clear	Clear	Clear	Clear	88.3
Core 04	VIR	2100	DM	Awning	Beckenham Jn. Station [Down Awning]	Clear	Clear	Clear	Clear	Clear	62.6
Core 04	VIR	2100	DM	Awning	Bickley Station [Down Fast Awning]	Clear	Clear	Clear	Clear	-60.0	-142.0
Core 04	VIR	2100	DM	Awning	Brixton Station [Down Awning]	Clear	Clear	Clear	Clear	69.7	-22.1
Core 04	VIR	2100	DM	Arched Overbridge	Downs Bridge Road [Bridge No.54]	Clear	Clear	Clear	39.4	-76.1	-174.0
Core 04	VIR	2100	DM	Arched Overbridge	High Street Southend Road [Bridge No.51]	Clear	Clear	Clear	Clear	-8.4	-100.6
Core 04	VIR	2100	DM	Awning	Penge East Station [Down Awning]	Clear	Clear	Clear	Clear	14.4	-39.0

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Core 04	VIR	2100	DM	Tunnel	Penge Tunnel [Tunnel No.36]	82.5	82.5	-47.6	-96.5	-155.1	-239.9
Core 04	VIR	2100	DM	Arched Overbridge	Westgate Road [Bridge No.53]	Clear	Clear	16.4	-59.0	-175.3	-273.2
Core 04	VIR	2201	DS	Awning	Bickley Station [Down Slow Awning]	Clear	Clear	Clear	Clear	-51.8	-137.4
Core 04	VIR	2201	DS	Intersection	Intersects Xtd [Bridge No.80]	Clear	Clear	Clear	Clear	Clear	18.1
Core 04	VIR	2201	DS	Signal Gantry	Signal Gantry [14 Miles 8 Chains]	Clear	Clear	Clear	Clear	Clear	23.7
Core 04	VTB1	1100	UM	Overbridge	Bellevue Road [Bridge No.28]	Clear	Clear	Clear	Clear	Clear	59.1
Core 04	VTB1	1100	UM	Signal Post	Signal Post [7 Miles 31 Chains]	Clear	Clear	Clear	Clear	53.2	-30.0
Core 04	VTB1	1100	UM	Intersection	Streatham Flyover [Bridge No.1327A]	Clear	Clear	Clear	Clear	Clear	55.6
Core 04	VTB1	1200	US	Awning	Norbury Station [Platform 2 Awning]	Clear	Clear	Clear	Clear	93.7	5.9
Core 04	VTB1	1200	US	Awning	Selhurst Station [Platform 2 Awning]	Clear	Clear	Clear	14.6	-128.4	-214.6
Core 04	VTB1	1200	US	Awning	Thornton Heath Station [Platform 2 Awning]	Clear	Clear	Clear	Clear	Clear	37.0
Core 04	VTB1	2100	DM	Flat Deck Overbridge	Beulah Road [Bridge No.49]	Clear	Clear	Clear	Clear	Clear	27.9
Core 04	VTB1	2100	DM	Awning	Norbury Station [Platform 3 Awning]	Clear	Clear	Clear	Clear	11.1	-63.8
Core 04	VTB1	2100	DM	Awning	Selhurst Station [Platform 3 Awning]	Clear	Clear	Clear	93.2	-29.5	-92.4
Core 04	VTB1	2100	DM	Signal Post	Signal Post [6 Miles 27 Chains]	Clear	Clear	Clear	Clear	Clear	89.7
Core 04	VTB1	2100	DM	Flat Deck Overbridge	St Johns Hill [Bridge No.16]	Clear	Clear	64.1	-15.7	-63.5	-151.6
Core 04	VTB1	2100	DM	Awning	Thornton Heath Station [Platform 3 Awning]	Clear	Clear	Clear	Clear	Clear	54.2
Core 04	VTB1	2100	DM	Flat Deck Overbridge	Whitehorse Road [Bridge No.53]	Clear	Clear	Clear	Clear	Clear	43.1
Core 04	VTB1	2200	DS	Footbridge	Gillett Road [Bridge No.52]	Clear	Clear	Clear	Clear	Clear	79.8
Core 04	VTB1	2200	DS	Awning	Norbury Station [Platform 1 Awning]	Clear	Clear	Clear	Clear	Clear	25.6
Core 04	VTB1	2200	DS	Retaining Wall	Retaining Wall [2 Miles 66 Chains]	Clear	Clear	Clear	Clear	Clear	90.4
Core 04	VTB1	2200	DS	Awning	Selhurst Station [Platform 1 Awning]	Clear	Clear	Clear	Clear	-30.3	-103.2
Core 04	VTB1	2200	DS	Awning	Streatham Common Station [Down Slow Awning]	Clear	Clear	Clear	Clear	Clear	43.9
Core 04	VTB1	2200	DS	Awning	Thornton Heath Station [Down Slow Awning]	Clear	Clear	Clear	Clear	82.7	0.0
Core 04	VTB2	1100	UM	Awning	South Croydon Station [Platform 1]	Clear	Clear	Clear	Clear	Clear	21.2
Core 04	VTB2	1200	US	Awning	Purley Oaks Station [Platform 3]	Clear	Clear	Clear	84.0	-86.2	-169.2
Core 04	VTB2	1200	US	Awning	Purley Station [Platform 3]	Clear	Clear	Clear	Clear	11.8	-72.2
Core 04	VTB2	2100	DM	Awning	Purley Station [Platform 2]	Clear	Clear	Clear	Clear	44.8	-39.4
Core 04	VTB2	2200	DS	Overbridge	Station Concourse To Addiscombe Road [Bridge No.62A to No.63]	Clear	Clear	Clear	92.9	-23.8	-125.6
Core 04	WLL	1100	UM	Intersection	Intersects MLN1 [Bridge No.35]	Clear	Clear	68.8	68.8	Clear	43.8
Core 04	WLL	2100	DM	Retaining Wall	Retaining Wall [2 Miles 67 Chains]	Clear	Clear	Clear	Clear	Clear	77.2
Core 04	XTD	1100	UM	Arched Overbridge	Crow Corner [Bridge No.407]	Clear	Clear	Clear	Clear	Clear	25.4
Core 04	XTD	1100	UM	Arched Overbridge	Deeds [Bridge No.455]	Clear	Clear	Clear	Clear	20.9	-73.2
Core 04	XTD	1100	UM	Arched Overbridge	Herringe [Bridge No.440]	Clear	Clear	Clear	Clear	22.0	-71.3
Core 04	XTD	1100	UM	Arched Overbridge	Honeywood [Bridge No.458]	Clear	Clear	Clear	Clear	81.5	-26.7
Core 04	XTD	1100	UM	Tunnel	Saltwood [Tunnel No.468]	Clear	Clear	Clear	Clear	96.5	-26.0
Core 04	XTD	1100	UM	Arched Overbridge	Station Bridge [Bridge No.242]	Clear	Clear	Clear	Clear	7.1	-78.5
Core 04	XTD	1100	UM	Arched Overbridge	Station Road [Bridge No.277]	Clear	Clear	Clear	Clear	Clear	44.5
Core 04	XTD	1100	UM	Arched Overbridge	Station Road [Bridge No.371]	Clear	Clear	Clear	52.5	-101.3	-192.4
Core 04	XTD	1201	US	Arched Overbridge	Station Bridge [Bridge No.242]	Clear	Clear	17.2	-64.6	-174.8	-277.5
Core 04	XTD	2100	DM	Arched Overbridge	Bartons [Bridge No.424]	Clear	Clear	Clear	Clear	30.2	-63.1
Core 04	XTD	2100	DM	Arched Overbridge	Crow Corner [Bridge No.407]	Clear	Clear	Clear	Clear	29.2	-63.2
Core 04	XTD	2100	DM	Arched Overbridge	Deeds [Bridge No.455]	Clear	Clear	Clear	Clear	Clear	10.7
Core 04	XTD	2100	DM	Arched Overbridge	Herringe [Bridge No.440]	Clear	Clear	Clear	Clear	10.5	-84.4
Core 04	XTD	2100	DM	Arched Overbridge	Honeywood [Bridge No.458]	Clear	Clear	Clear	Clear	44.8	-39.4
Core 04	XTD	2100	DM	Tunnel	Saltwood [Tunnel No.468]	Clear	Clear	Clear	Clear	Clear	-28.3
Core 04	XTD	2100	DM	Tunnel	Sandling [Tunnel No.461]	Clear	Clear	Clear	63.2	6.1	-122.5
Core 04	XTD	2100	DM	Arched Overbridge	Station Bridge [Bridge No.242]	Clear	Clear	Clear	49.2	-41.1	-143.9
Core 04	XTD	2100	DM	Arched Overbridge	Station Bridge Westenhanger [Bridge No.454]	Clear	Clear	Clear	Clear	44.4	
Core 04	XTD	2100	DM	Arched Overbridge	Station Road [Bridge No.371]	Clear	Clear	Clear	93.8	-53.6	-148.7

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Core 04	XTD	2201	DS	Arched Overbridge	Station Bridge [Bridge No.242]	Clear	Clear	5.6	-43.1	-159.8	-256.4
Core 04	XTD	2500	Dn Loop	Awning	Paddock Wood Station [Down Loop]	Clear	Clear	Clear	Clear	Clear	98.5
Core 05	BOK1	1100	UM	Awning	Highbury And Islington Station [Up Platform W Awning]	Clear	Clear	Clear	Clear	Clear	95.7
Core 05	BOK1	1100	UM	Flat Deck Overbridge	Liverpool Road [Bridge No.125]	Clear	Clear	Clear	Clear	Clear	99.7
Core 05	BOK1	1102	UM	Overbridge	Overbridges [Bridge No.133,135,132a]	Clear	Clear	Clear	Clear	Clear	20.1
Core 05	BOK1	2100	DM	Awning	Highbury And Islington Station [Down Platform E Awning]	Clear	Clear	Clear	Clear	Clear	72.4
Core 05	CRC1	1100	UM	Overbridge	Chalk Farm Road [Bridge No.1]	Clear	Clear	18.2	-22.9	-29.9	-153.3
Core 05	CRC1	2100	DM	Underbridge	Brick Arch [Bridge No.2]	Clear	Clear	Clear	Clear	46.4	-40.5
Core 05	CRC1	2100	DM	Overbridge	Chalk Farm Road [Bridge No.1]	Clear	Clear	Clear	Clear	52.2	-44.1
Core 05	DWW2	1100	UM	Intersection	Intersection Bge. [Bridge No.646a]	Clear	Clear	Clear	Clear	61.7	-626.2
Core 05	DWW2	2100	DM	Intersection	Intersection Bge. [Bridge No.646a]	Clear	Clear	Clear	Clear	55.8	-24.2
Core 05	LEC1	1100	UM	Tunnel	Kensal Green Fast Lines Tunnel [Bridge No.24]	Clear	Clear	82.1	47.2	12.8	-118.6
Core 05	LEC1	1100	UM	Flat Deck Overbridge	Kilburn High Road A5 [Bridge No.19]	Clear	Clear	Clear	97.6	-20.6	-80.6
Core 05	LEC1	1100	UM	Flat Deck Overbridge	Kilburn High Road Carrying Shops [Bridge No.19A]	Clear	Clear	Clear	97.6	-20.6	-80.6
Core 05	LEC1	1100	UM	Flat Deck Overbridge	Kilburn Priory [Bridge No.16]	Clear	Clear	Clear	42.2	-48.8	-117.5
Core 05	LEC1	1100	UM	Tunnel	Primrose Hill Fast Lines Tunnel [Bridge No.12]	Clear	Clear	Clear	Clear	Clear	64.9
Core 05	LEC1	1100	UM	Footbridge	Queens Park Station Footbridge [Bridge No.21]	Clear	Clear	Clear	93.5	19.0	-84.3
Core 05	LEC1	1100	UM	Signal	Signal [3 Miles 71 Chains]	Clear	Clear	Clear	Clear	11.9	-239.5
Core 05	LEC1	1200	US	Tunnel	Kensal Green Slow Lines Tunnel [Bridge No.24]	Clear	Clear	Clear	Clear	Clear	14.5
Core 05	LEC1	1200	US	Flat Deck Overbridge	Kilburn Priory [Bridge No.16]	Clear	Clear	Clear	Clear	Clear	33.2
Core 05	LEC1	1200	US	Tunnel	Primrose Hill Slow Lines Tunnel [Bridge No.12]	Clear	Clear	Clear	79.7	85.9	-42.8
Core 05	LEC1	2100	DM	Flat Deck Overbridge	Abney Road [Bridge No.15]	Clear	Clear	Clear	Clear	Clear	99.2
Core 05	LEC1	2100	DM	Tunnel	Kensal Green Fast Lines Tunnel [Bridge No.24]	Clear	Clear	-14.4	-43.2	-73.9	-210.5
Core 05	LEC1	2100	DM	Flat Deck Overbridge	Kilburn High Road A5 [Bridge No.19]	Clear	Clear	47.3	10.1	25.1	-67.4
Core 05	LEC1	2100	DM	Flat Deck Overbridge	Kilburn High Road Carrying Shops [Bridge No.19A]	Clear	Clear	Clear	63.2	87.7	-15.0
Core 05	LEC1	2100	DM	Flat Deck Overbridge	Kilburn Priory [Bridge No.16]	Clear	Clear	Clear	Clear	44.7	-73.5
Core 05	LEC1	2100	DM	Tunnel	Primrose Hill Fast Lines Tunnel [Bridge No.12]	Clear	Clear	Clear	91.2	Clear	-24.8
Core 05	LEC1	2100	DM	Flat Deck Overbridge	Salisbury Road [Bridge No.20]	Clear	Clear	Clear	Clear	Clear	58.2
Core 05	LEC1	2100	DM	Signal Gantry	Signal Gantry [4 Miles 72 Chains]	Clear	Clear	Clear	Clear	Clear	64.5
Core 05	LEC1	2200	DS	Tunnel	Kensal Green Slow Lines Tunnel [Bridge No.24]	Clear	Clear	Clear	Clear	83.3	-53.0
Core 05	LEC1	2200	DS	Flat Deck Overbridge	Kilburn Priory [Bridge No.16]	Clear	Clear	Clear	Clear	Clear	36.0
Core 05	LEC1	2200	DS	Tunnel	Primrose Hill Slow Lines Tunnel [Bridge No.12]	Clear	Clear	Clear	Clear	Clear	-28.6
Core 05	LTN1	1100	UM	Flat Deck Overbridge	Angel Lane [Bridge No.63]	Clear	Clear	Clear	Clear	Clear	84.6
Core 05	LTN1	1100	UM	Flat Deck Overbridge	Mcgrath Road [Bridge No.66]	Clear	Clear	Clear	Clear	Clear	55.2
Core 05	LTN1	1101	UM	Flat Deck Overbridge	Mcgrath Road [Bridge No.66]	Clear	Clear	Clear	Clear	Clear	81.5
Core 05	LTN1	2100	DM	Flat Deck Overbridge	Angel Lane [Bridge No.63]	Clear	Clear	Clear	Clear	Clear	78.3
Core 05	LTN1	2100	DM	Flat Deck Overbridge	Mcgrath Road [Bridge No.66]	Clear	Clear	Clear	Clear	Clear	80.1
Core 05	LTN1	2100	DM	Awnings	Stratford Station [Awning - Down Main]	Clear	Clear	Clear	Clear	Clear	60.9
Core 05	LTN1	2101	DM	Flat Deck Overbridge	Angel Lane [Bridge No.63]	Clear	Clear	Clear	Clear	7.4	-55.8
Core 05	LTN1	2101	DM	Flat Deck Overbridge	Mcgrath Road [Bridge No.66]	Clear	Clear	Clear	Clear	Clear	60.5
Core 05	LTN1	2101	DM	Overbridge	Woodgrange Road [Bridge No.68 & 69]	Clear	Clear	Clear	Clear	Clear	86.0
Core 05	LTN1	3100	Bi-dir	Awnings	Stratford Station [Awning - Avoiding Line]	Clear	Clear	Clear	Clear	23.1	-50.8
Core 05	TAH3	1100	UM	Flat Deck Overbridge	Browning Road [Bridge No.7]	Clear	Clear	Clear	Clear	40.0	-70.2
Core 05	TLL	1100	UM	Awnings	Barking Station [Awning Platform 8]	Clear	Clear	Clear	Clear	Clear	76.8
Core 05	TLL	1100	UM	Awnings	Dagenham Dock Station [Awning Up Platform]	Clear	Clear	Clear	Clear	Clear	68.5
Core 05	TLL	1100	UM	Awnings	Grays Station [Awning Platform 1]	Clear	Clear	Clear	Clear	Clear	54.7
Core 05	TLL	1100	UM	Overbridge	Station Buildings [Bridge No. B20/b21/b21a]	Clear	Clear	Clear	Clear	79.4	-14.4
Core 05	TLL	2100	DM	Overbridge	Bridge Road [Bridge No.117]	Clear	Clear	Clear	Clear	Clear	95.8
Core 05	TLL	2100	DM	Awnings	Dagenham Dock Station [Awning Down Platform]	Clear	Clear	Clear	Clear	Clear	47.2
Core 06	BHI	1100	UM	Tunnel	Crewe Tunnel [158 Miles 17 Chains]	Clear	Clear	Clear	Clear	Clear	27.9

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Core 06	BHI	1100	UM	Intersection	Intersection [Bridge No.1]	Clear	Clear	Clear	41.0	80.8	-25.9
Core 06	BHI	1801	Siding	Signal Gantry	Signal Gantry [156 Miles 27 Chains]	Clear	Clear	Clear	Clear	Clear	85.1
Core 06	BHI	2100	DM	Tunnel	Crewe Tunnel [158 Miles 17 Chains]	Clear	Clear	Clear	Clear	87.4	-27.3
Core 06	BHI	2100	DM	Intersection	Intersection [Bridge No.1]	Clear	Clear	Clear	Clear	Clear	47.2
Core 06	BHI	2100	DM	Signal Gantry	Signal Gantry [157 Miles 16 Chains]	Clear	Clear	Clear	Clear	-61.3	-144.2
Core 06	CMD1	2102	DM	Arched Overbridge	Byrons Lane [Bridge No.13]	Clear	Clear	Clear	Clear	88.5	-20.3
Core 06	CMD2	1301	UG	Flat Deck Overbridge	Shelton New Road [Bridge No.82]	Clear	Clear	Clear	Clear	Clear	73.0
Core 06	CMD2	2100	DM	Flat Deck Overbridge	Etruria Station A53 [Bridge No.77]	Clear	Clear	Clear	Clear	Clear	58.8
Core 06	CMD2	2301	DG	Flat Deck Overbridge	Shelton New Road [Bridge No.82]	Clear	Clear	Clear	Clear	Clear	36.8
Core 06	CMP1	1100	UM	Awning	Alderley Edge Station [Up Awning]	Clear	Clear	Clear	Clear	Clear	17.9
Core 06	CMP1	1100	UM	Signal Gantry	Signal Gantry [178 Miles 69 Chains]	Clear	Clear	Clear	Clear	Clear	62.3
Core 06	CMP1	1201	US	Arched Overbridge	Reservoir Road [Bridge No.102]	Clear	Clear	Clear	Clear	Clear	90.1
Core 06	CMP1	1202	US	Signal Gantry	Signal Gantry [159 Miles 75 Chains]	Clear	Clear	Clear	Clear	Clear	96.5
Core 06	CMP1	1202	US	Signal Post	Signal Post [161 Miles 74 Chains]	Clear	Clear	Clear	Clear	86.1	-0.4
Core 06	CMP1	2100	DM	Arched Overbridge	Acre [Bridge No.66]	Clear	Clear	Clear	Clear	Clear	63.5
Core 06	CMP1	2100	DM	Awning	Gostrey Station [Down Awning]	Clear	Clear	Clear	Clear	Clear	73.8
Core 06	CMP1	2100	DM	Signal Gantry	Signal Gantry [160 Miles 76 Chains]	Clear	Clear	47.3	0.1	52.2	-56.7
Core 06	CMP1	2100	DM	Awning	Wilmslow Station [Down Awning]	Clear	Clear	Clear	Clear	Clear	55.7
Core 06	CMP1	2201	DS	Arched Overbridge	Reservoir Road [Bridge No.102]	Clear	Clear	Clear	Clear	61.1	-61.6
Core 06	CMP1	3800	Bi-dir	Signal Gantry	Signal Gantry [162 Miles 53 Chains]	Clear	Clear	Clear	Clear	Clear	70.0
Core 06	CMP2	1100	UM	Arched Overbridge	Buckingham Road [Bridge No.11]	Clear	Clear	Clear	Clear	Clear	19.6
Core 06	CMP2	1100	UM	Signal Gantry	Signal Gantry [187 Miles 62 Chains]	Clear	Clear	Clear	Clear	-31.4	-100.2
Core 06	CMP2	1200	US	Signal Gantry	Signal Gantry [182 Miles 73 Chains]	Clear	Clear	Clear	Clear	Clear	57.3
Core 06	CMP2	1200	US	Signal Gantry	Signal Gantry [184 Miles 0 Chains]	Clear	Clear	Clear	Clear	Clear	62.5
Core 06	CMP2	1200	US	Awning	Stockport Station [Up Slow Platform 1 Awning]	Clear	Clear	Clear	Clear	Clear	85.1
Core 06	CMP2	1201	US	Signal Gantry	Signal Gantry [187 Miles 0 Chains]	Clear	Clear	Clear	Clear	82.4	-6.6
Core 06	CMP2	1201	US	Signal Gantry	Signal Gantry [188 Miles 8 Chains]	Clear	Clear	Clear	Clear	Clear	53.5
Core 06	CMP2	2100	DM	Signal Gantry	Signal Gantry [183 Miles 28 Chains]	Clear	Clear	Clear	Clear	Clear	66.9
Core 06	CMP2	2100	DM	Signal Gantry	Signal Gantry [188 Miles 8 Chains]	Clear	Clear	Clear	Clear	Clear	28.0
Core 06	CMP2	2101	DM	Signal Gantry	Signal Gantry [183 Miles 6 Chains]	Clear	Clear	Clear	Clear	Clear	9.4
Core 06	CMP2	2200	DS	Signal	Signal [183 Miles 17 Chains]	Clear	Clear	Clear	Clear	Clear	90.8
Core 06	CMP2	2200	DS	Signal Gantry	Signal Gantry [183 Miles 27 Chains]	Clear	Clear	Clear	Clear	Clear	96.7
Core 06	CMP2	2200	DS	Signal Gantry	Signal Gantry [183 Miles 6 Chains]	Clear	Clear	Clear	Clear	Clear	84.9
Core 06	CMP2	2200	DS	Signal Gantry	Signal Gantry [183 Miles 74 Chains]	Clear	Clear	Clear	Clear	Clear	24.5
Core 06	CMP2	2200	DS	Signal Gantry	Signal Gantry [188 Miles 8 Chains]	Clear	Clear	Clear	Clear	96.4	11.2
Core 06	CMP2	2200	DS	Signal Box	Stockport 1 [182 Miles 72 Chains]	Clear	Clear	Clear	Clear	Clear	22.9
Core 06	CMP2	2200	DS	Awning	Stockport Station [Down Slow Platform 4 Awning]	Clear	Clear	Clear	Clear	Clear	56.6
Core 06	COL	1100	UM	Signal	Signal [189 Miles 34 Chains]	Clear	Clear	0.9	-92.8	-191.7	-277.8
Core 06	COL	1500	Up Loop	Signal	Signal [189 Miles 32 Chains 18 Yards]	Clear	Clear	Clear	Clear	Clear	10.3
Core 06	COL	1500	Up Loop	Signal	Signal [189 Miles 32 Chains]	Clear	Clear	Clear	79.8	37.0	-63.0
Core 06	COL	2101	DM	Awning	Manchester Piccadilly Station [Down Line]	Clear	Clear	Clear	Clear	Clear	39.4
Core 06	COL	2101	DM	Awning	Oxford Road Station [Down Line]	Clear	Clear	Clear	Clear	Clear	88.5
Core 06	COL	2101	DM	Signal	Signal [189 Miles 26 Chains]	Clear	Clear	Clear	Clear	Clear	-22.3
Core 06	LLI	1100	UM	Intersection	Intersects Cgj1 Up Indpendent [Bridge No.82B]	Clear	Clear	Clear	Clear	71.0	-24.5
Core 06	LLI	2100	DM	Overbridge	Down Liverpool Independent [Bridge No. 82C]	Clear	Clear	Clear	Clear	Clear	31.6
Core 06	MCH	1100	UM	Tunnel	Hibel Road [Tunnel No.36]	Clear	Clear	Clear	72.9	81.5	-62.2
Core 06	MCH	1100	UM	Tunnel	Prestbury [Tunnel No.28]	Clear	Clear	Clear	Clear	94.2	-39.6
Core 06	MCH	1100	UM	Signal Post	Signal Post [7 Miles 14 Chains]	Clear	Clear	Clear	Clear	Clear	40.0
Core 06	MCH	1100	UM	Signal Post	Signal Post [8 Miles 32 Chains]	Clear	Clear	Clear	Clear	19.1	-83.0
Core 06	MCH	2100	DM	Tunnel	Hibel Road [Tunnel No.36]	Clear	Clear	47.0	37.3	64.7	-69.3

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Core 06	MCH	2100	DM	Tunnel	Prestbury [Tunnel No.28]	Clear	Clear	Clear	Clear	Clear	-6.4
Core 06	MCH	2100	DM	Signal Gantry	Signal Gantry [2 Miles 50 Chains]	Clear	Clear	Clear	Clear	75.6	4.1
Core 06	MCH	2100	DM	Signal Gantry	Signal Gantry [5 Miles 10 Chains]	Clear	Clear	Clear	Clear	51.0	
Core 06	MCH	2100	DM	Signal Post	Signal Post [3 Miles 21 Chains]	Clear	Clear	Clear	78.6	39.2	-77.1
Core 06	MCH	2100	DM	Overbridge	Wilmslow Road, Footbridge & Pipebridge [Bridge No.13A, 14 & 14A]	Clear	Clear	Clear	Clear	Clear	22.8
Core 06	STY	1100	UM	Awning	Wilmslow Station [Awning Up]	Clear	Clear	Clear	Clear	Clear	29.6
Core 06	STY	2100	DM	Overbridge	Finney Lane [Bridge No.17]	Clear	Clear	Clear	Clear	Clear	88.7
Core 06	STY	2100	DM	Awning	Heald Green Station [Down Line Canopy]	Clear	Clear	Clear	Clear	Clear	44.5
Core 06	STY	2100	DM	Overbridge	Waterfall Farm [Bridge No.19a]	Clear	Clear	Clear	Clear	Clear	99.9
Core 06	STY	2100	DM	Overbridge	Waterfall Farm [Bridge No.20]	Clear	Clear	Clear	Clear	Clear	77.4
Core 06	STY	2100	DM	Awning	Wilmslow Station [Awning Down]	Clear	Clear	Clear	Clear	1.8	-72.3
Core 07	DBP3	1200	US	Arched Overbridge	Jack O'watton [Bridge No.112]	Clear	Clear	Clear	Clear	Clear	97.1
Core 07	DBP3	1200	US	Arched Overbridge	Whitacre Road [Bridge No.100]	Clear	Clear	Clear	Clear	81.4	-17.3
Core 07	DBP3	2200	DS	Arched Overbridge	Jack O'watton [Bridge No.112]	Clear	Clear	Clear	Clear	85.0	-12.9
Core 07	DBP3	2200	DS	Arched Overbridge	Whitacre Road [Bridge No.100]	Clear	Clear	Clear	Clear	76.9	-20.1
Core 07	NWO	1100	UM	Tunnel	Arley Tunnel [6 Miles 22 Chains]	Clear	Clear	72.6	51.0	53.7	-75.1
Core 07	NWO	1100	UM	Arched Overbridge	Shustoke Road B4114 [Bridge No.7]	Clear	Clear	Clear	Clear	Clear	58.8
Core 07	NWO	1100	UM	Arched Overbridge	Station Bridge A47 [Bridge No.36]	Clear	Clear	Clear	Clear	88.1	-7.7
Core 07	NWO	1100	UM	Arched Overbridge	Stockingford Road [Bridge No.30]	Clear	Clear	Clear	Clear	Clear	31.8
Core 07	NWO	2100	DM	Tunnel	Arley Tunnel [6 Miles 22 Chains]	Clear	Clear	79.1	56.2	66.1	-65.2
Core 07	NWO	2100	DM	Arched Overbridge	Shustoke Road B4114 [Bridge No.7]	Clear	Clear	Clear	Clear	Clear	49.8
Core 07	NWO	2100	DM	Arched Overbridge	Station Bridge A47 [Bridge No.36]	Clear	Clear	Clear	Clear	Clear	16.8
Core 07	NWO	2100	DM	Arched Overbridge	Stockingford Road [Bridge No.30]	Clear	Clear	Clear	Clear	55.3	-41.9
Div 01	ECA2	1100	UM	Overbridge	Hagg's [Bridge No.109]	Clear	Clear	Clear	Clear	Clear	36.4
Div 01	ECA2	1100	UM	Overbridge	Nimmo Road [Bridge No.53]	Clear	Clear	Clear	Clear	Clear	85.2
Div 01	ECA2	2100	DM	Overbridge	Hagg's [Bridge No.109]	Clear	Clear	Clear	Clear	Clear	74.2
Div 01	ECM1	1100	UM	Intersection	Intersection CJS [Bridge No.345]	Clear	Clear	Clear	Clear	Clear	95.4
Div 01	ECM4	2100	DM	Flat Deck Overbridge	Holgate Road [Bridge No.4]	Clear	Clear	Clear	Clear	Clear	90.5
Div 01	ECM4	3100	Bi-dir	Awning	York Station Awning [Platform 3 And 4]	Clear	Clear	Clear	Clear	25.7	-57.3
Div 01	ECM5	1100	UM	Tunnel	Askew Road Tunnel [Bridge No. 256]	Clear	Clear	Clear	Clear	Clear	56.6
Div 01	ECM5	1100	UM	Flat Deck Overbridge	Ecm5/257b [Bridge No.257b]	Clear	Clear	Clear	Clear	Clear	24.6
Div 01	ECM5	1100	UM	Overbridge	Haughton Road B6279 [Bridge No.101]	Clear	Clear	Clear	Clear	Clear	93.2
Div 01	ECM5	1100	UM	Overbridge	Redheugh Road A189 [Bridge No.257]	Clear	Clear	Clear	Clear	Clear	98.8
Div 01	ECM5	1100	UM	Signal Post	Signal Post: T233 [79 Miles 10 Chains]	Clear	Clear	Clear	Clear	Clear	54.9
Div 01	ECM5	1200	US	Arched Overbridge	A61 Thirsk [Bridge No.47]	Clear	Clear	Clear	Clear	Clear	87.8
Div 01	ECM5	2100	DM	Tunnel	Askew Road Tunnel [Bridge No. 256]	Clear	Clear	Clear	Clear	76.0	-18.7
Div 01	ECM5	2100	DM	Tunnel	Askew Road West Tunnel [79 Miles 25 Chains]	Clear	Clear	Clear	Clear	77.1	-19.1
Div 01	ECM5	2100	DM	Overbridge	Aycliffe [Bridge No.125]	Clear	Clear	Clear	Clear	Clear	98.5
Div 01	ECM5	2100	DM	Overbridge	Redheugh Road A189 [Bridge No.257]	Clear	Clear	Clear	Clear	Clear	41.7
Div 01	ECM5	2100	DM	Underbridge	Underbridge No.57 [29 Miles 74 Chains]	76.7	76.7	75.7	58.3	90.5	40.2
Div 01	ECM5	2200	DS	Arched Overbridge	A61 Thirsk [Bridge No.47]	Clear	Clear	Clear	Clear	Clear	75.9
Div 01	ECM7	2100	DM	Overbridge	Climbing Tree Farm [Bridge No.75]	Clear	Clear	Clear	Clear	Clear	93.9
Div 01	ECM7	2100	DM	Flat Deck Overbridge	Metro Bridge [Bridge No.41]	Clear	Clear	Clear	Clear	Clear	82.2
Div 01	ECM7	2100	DM	Tunnel	Red Barnes Tunnel [Bridge No.18]	Clear	Clear	Clear	Clear	Clear	50.6
Div 01	ECM7	2100	DM	Signal Post	Signal Post: M183 [26 Miles 23 Chains]	Clear	Clear	Clear	Clear	Clear	18.2
Div 01	ECM7	2100	DM	Signal Post	Signal Post: TW161 [67 Miles 6 Chains]	Clear	Clear	Clear	Clear	89.8	-5.6
Div 01	ECM7	2500	Dn Loop	Signal Post	Signal Post [26 Miles 23 Chains]	Clear	Clear	Clear	Clear	Clear	25.3
Div 01	ECM8	1100	UM	Flat Deck Overbridge	Burnmouth Station [Bridge No.156]	Clear	Clear	Clear	Clear	11.2	-73.3
Div 01	ECM8	1100	UM	Tunnel	St Margaret's [1 Mile 32 Chains]	Clear	Clear	Clear	Clear	Clear	71.9
Div 01	ECM8	1100	UM	Flat Deck Overbridge	Wheatfield Road [Bridge No.9]	Clear	Clear	Clear	Clear	Clear	65.6

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Div 01	ECM8	2100	DM	Arched Overbridge	Mucklets [Bridge No.24]	Clear	Clear	Clear	Clear	Clear	34.2
Div 01	ECM8	3101	Bi-dir	Tunnel	Calton South [0 Miles 28 Chains]	Clear	Clear	Clear	Clear	Clear	61.5
Div 01	ECM8	3400	Bi-dir	Signal Post	Signal Post: ED494 [29 Miles 16 Chains]	Clear	Clear	Clear	Clear	Clear	99.1
Div 01	EGM3	1101	UM	Tunnel	Haymarket South Tunnel [0 Miles 46 Chains]	Clear	Clear	Clear	73.8	26.2	-96.6
Div 01	EGM3	2101	DM	Tunnel	Haymarket South Tunnel [0 Miles 46 Chains]	Clear	Clear	Clear	Clear	Clear	-9.9
Div 01	EGS2	1100	UM	Arched Overbridge	Arch Overbridge [Bridge No.33]	Clear	Clear	85.0	2.2	-133.0	-229.3
Div 01	EGS2	1100	UM	Overbridge	Asylum [Bridge No.44]	Clear	Clear	Clear	71.3	-66.8	-159.9
Div 01	EGS2	1100	UM	Arched Overbridge	Beechwood [Bridge No.132]	Clear	Clear	Clear	Clear	86.8	-9.5
Div 01	EGS2	1100	UM	Arched Overbridge	Brech Terrace [Bridge No.102]	Clear	Clear	Clear	Clear	-15.4	-108.3
Div 01	EGS2	1100	UM	Overbridge	Faulhouse & Brech [Bridge No.87 & 88]	Clear	Clear	95.2	15.0	-131.1	-225.6
Div 01	EGS2	1100	UM	Arched Overbridge	Happy Land [Bridge No.121]	Clear	Clear	98.3	18.6	-110.0	-204.6
Div 01	EGS2	1100	UM	Arched Overbridge	Meadowhead [Bridge No.112]	Clear	Clear	59.6	-22.4	-160.9	-253.9
Div 01	EGS2	1100	UM	Arched Overbridge	Newpark [Bridge No.134]	Clear	Clear	Clear	Clear	66.8	-28.5
Div 01	EGS2	1100	UM	Arched Overbridge	Nimmo's [Bridge No.75]	Clear	Clear	76.1	-3.9	-138.0	-233.0
Div 01	EGS2	1100	UM	Arched Overbridge	Station Road [Bridge No.59]	Clear	Clear	-45.1	-112.4	-206.5	-323.4
Div 01	EGS2	2100	DM	Arched Overbridge	Arch Overbridge [Bridge No.33]	Clear	Clear	47.8	-89.5	-186.1	
Div 01	EGS2	2100	DM	Overbridge	Asylum [Bridge No.44]	Clear	Clear	84.8	3.9	-128.6	-224.8
Div 01	EGS2	2100	DM	Arched Overbridge	Beechwood [Bridge No.132]	Clear	Clear	Clear	34.4	-98.9	-194.2
Div 01	EGS2	2100	DM	Arched Overbridge	Brech Terrace [Bridge No.102]	Clear	Clear	47.2	-70.4	-164.9	
Div 01	EGS2	2100	DM	Overbridge	Faulhouse & Brech [Bridge No.87 & 88]	Clear	Clear	62.8	-17.4	-156.5	-251.4
Div 01	EGS2	2100	DM	Arched Overbridge	Happy Land [Bridge No.121]	Clear	Clear	89.4	-52.7	-145.1	
Div 01	EGS2	2100	DM	Arched Overbridge	Humped [Bridge No.29]	Clear	Clear	93.8	14.6	-101.2	-198.5
Div 01	EGS2	2100	DM	Arched Overbridge	Meadowhead [Bridge No.112]	Clear	Clear	53.9	-25.5	-164.0	-256.1
Div 01	EGS2	2100	DM	Arched Overbridge	Newpark [Bridge No.134]	Clear	Clear	Clear	47.8	-47.8	
Div 01	EGS2	2100	DM	Arched Overbridge	Nimmo's [Bridge No.75]	Clear	Clear	35.9	-93.6	-190.1	
Div 01	EGS2	2100	DM	Arched Overbridge	Station Road [Bridge No.59]	Clear	Clear	Clear	Clear	36.3	
Div 01	EGS2	2100	DM	Flat Deck Overbridge	Stevenson Street [Bridge No.1]	Clear	Clear	Clear	Clear	64.9	
Div 02	CLY	2100	DM	Flat Deck Overbridge	Cathcart Road [Bridge No.70]	Clear	Clear	Clear	Clear	87.4	
Div 02	GBK	1100	UM	Arched Overbridge	Overbridge [Bridge No.28]	Clear	Clear	Clear	Clear	46.2	-49.1
Div 02	GBK	1100	UM	Overbridge	Titwood Road [Bridge No.14]	95.0	95.0	-83.6	-164.8	-299.2	-394.5
Div 02	GBK	2100	DM	Arched Overbridge	Kennishead Road [Bridge No.21]	Clear	Clear	Clear	Clear	Clear	65.5
Div 02	GBK	2100	DM	Arched Overbridge	Overbridge [Bridge No.28]	Clear	Clear	Clear	27.1	-112.8	-207.2
Div 02	GBK	2100	DM	Overbridge	Titwood Road [Bridge No.14]	Clear	Clear	-47.4	-129.3	-267.5	-362.2
Div 02	GBK	3100	Bi-dir	Arched Overbridge	Barshagra [Bridge No.50]	Clear	Clear	Clear	Clear	-29.4	-123.4
Div 02	GBK	3100	Bi-dir	Arched Overbridge	Cattle Bridge [Bridge No.65]	Clear	Clear	Clear	24.6	-116.7	-209.3
Div 02	GBK	3100	Bi-dir	Arched Overbridge	Dunlop Station [Bridge No.75]	Clear	Clear	Clear	Clear	-20.7	-114.5
Div 02	GBK	3100	Bi-dir	Arched Overbridge	Farm Road [Bridge No.69]	Clear	Clear	Clear	93.9	-46.5	-140.8
Div 02	GBK	3100	Bi-dir	Arched Overbridge	Farm Road [Bridge No.74]	Clear	Clear	Clear	63.1	-78.4	-172.7
Div 02	GBK	3100	Bi-dir	Arched Overbridge	Farm Road [Bridge No.80]	Clear	Clear	Clear	41.5	-101.5	-195.5
Div 02	GBK	3100	Bi-dir	Arched Overbridge	Farm Road [Bridge No.90]	Clear	Clear	Clear	Clear	83.7	-6.8
Div 02	GBK	3100	Bi-dir	Arched Overbridge	Glasgow Road [Bridge No.79]	Clear	Clear	Clear	79.8	-57.9	-153.1
Div 02	GBK	3100	Bi-dir	Arched Overbridge	Glasgow Road [Bridge No.81]	Clear	Clear	Clear	Clear	37.5	-52.6
Div 02	GBK	3100	Bi-dir	Arched Overbridge	Irvine Road [Bridge No.61]	Clear	Clear	Clear	Clear	Clear	78.4
Div 02	GBK	3100	Bi-dir	Arched Overbridge	Kilmarnock Road [Bridge No.72]	Clear	Clear	Clear	Clear	Clear	28.1
Div 02	GBK	3100	Bi-dir	Arched Overbridge	Langton [Bridge No.71]	Clear	Clear	Clear	Clear	Clear	28.9
Div 02	GBK	3100	Bi-dir	Arched Overbridge	Occupational Road [Bridge No.58]	Clear	Clear	Clear	Clear	80.5	-12.3
Div 02	GBK	3100	Bi-dir	Arched Overbridge	Overbridge [Bridge No.82]	Clear	Clear	Clear	Clear	6.5	-87.8
Div 02	GBK	3100	Bi-dir	Arched Overbridge	Public Road [Bridge No.56]	Clear	Clear	Clear	Clear	-25.5	-117.5
Div 02	GBK	3100	Bi-dir	Arched Overbridge	Public Road [Bridge No.92]	Clear	Clear	Clear	Clear	1.9	-88.9
Div 02	GBK	3100	Bi-dir	Arched Overbridge	Shillford [Bridge No.59]	Clear	Clear	Clear	Clear	Clear	29.5

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Div 02	GBK	3500	Bi-dir	Arched Overbridge	Cattle Bridge [Bridge No.65]	Clear	Clear	Clear	54.8	-85.0	-179.1
Div 02	GSW	1100	UM	Arched Overbridge	Akitmuir [Bridge No.323]	Clear	Clear	Clear	96.6	-56.9	-148.1
Div 02	GSW	1100	UM	Arched Overbridge	Brandy Bridge [Bridge No.338]	Clear	Clear	Clear	48.1	-44.4	
Div 02	GSW	1100	UM	Arched Overbridge	Broadgate [Bridge No.315]	Clear	Clear	Clear	Clear	-44.8	-137.6
Div 02	GSW	1100	UM	Arched Overbridge	Broomrig Road [Bridge No.293]	Clear	Clear	Clear	Clear	-16.8	-109.4
Div 02	GSW	1100	UM	Arched Overbridge	Brownhill [Bridge No.268]	Clear	Clear	Clear	46.2	-99.3	-192.5
Div 02	GSW	1100	UM	Arched Overbridge	Cairn Bridge [Bridge No.274]	Clear	Clear	Clear	12.6	-80.7	
Div 02	GSW	1100	UM	Arched Overbridge	Cairnhill Road [Bridge No.132]	Clear	Clear	Clear	Clear	-29.6	-124.2
Div 02	GSW	1100	UM	Arched Overbridge	Cattle Bridge [Bridge No.183]	Clear	Clear	Clear	Clear	-8.0	-100.3
Div 02	GSW	1100	UM	Arched Overbridge	Cattle Bridge [Bridge No.200]	Clear	Clear	Clear	Clear	77.4	-14.7
Div 02	GSW	1100	UM	Arched Overbridge	Cattle Bridge [Bridge No.207]	Clear	Clear	Clear	Clear	-50.9	-141.8
Div 02	GSW	1100	UM	Arched Overbridge	Cowhill Avenue [Bridge No.286]	Clear	Clear	Clear	Clear	-23.4	-113.6
Div 02	GSW	1100	UM	Arched Overbridge	Croftheads Bridge [Bridge No.341]	Clear	Clear	Clear	Clear	Clear	43.3
Div 02	GSW	1100	UM	Arched Overbridge	Drum Road [Bridge No.252]	Clear	Clear	Clear	Clear	-42.9	-134.0
Div 02	GSW	1100	UM	Tunnel	Drumlanrig Tunnel [73 Miles 5 Chains]	Clear	Clear	Clear	Clear	83.4	-53.4
Div 02	GSW	1100	UM	Arched Overbridge	Drumshinnoch Farm Road [Bridge No.251]	Clear	Clear	Clear	Clear	-28.0	-119.0
Div 02	GSW	1100	UM	Arched Overbridge	Eastside Road [Bridge No.213]	Clear	Clear	Clear	Clear	18.7	-72.9
Div 02	GSW	1100	UM	Arched Overbridge	Farm Road [Bridge No.197]	Clear	Clear	Clear	83.2	-70.7	-162.5
Div 02	GSW	1100	UM	Arched Overbridge	Farm Road [Bridge No.254]	Clear	Clear	Clear	Clear	53.2	-38.4
Div 02	GSW	1100	UM	Arched Overbridge	Gateside Or Cleuchfoot Farm Road [Bridge No.218]	Clear	Clear	Clear	Clear	16.7	-75.6
Div 02	GSW	1100	UM	Arched Overbridge	Glasgow Road A76(t) [Bridge No.182]	Clear	Clear	Clear	Clear	7.1	-83.9
Div 02	GSW	1100	UM	Arched Overbridge	Howthat [Bridge No.317]	Clear	Clear	Clear	Clear	21.5	-70.1
Div 02	GSW	1100	UM	Arched Overbridge	Locahill Farm [Bridge No.176]	Clear	Clear	Clear	Clear	-47.8	-138.9
Div 02	GSW	1100	UM	Arched Overbridge	Loganbarns [Bridge No.303]	Clear	Clear	67.8	-15.6	-168.3	-260.4
Div 02	GSW	1100	UM	Arched Overbridge	Mn Drumcork [Bridge No.257]	Clear	Clear	Clear	36.7	-111.2	-204.1
Div 02	GSW	1100	UM	Tunnel	Mossgiel Tunnel [41 Miles 21 Chains]	Clear	Clear	Clear	Clear	72.6	-59.8
Div 02	GSW	1100	UM	Arched Overbridge	Netherland [Bridge No.124]	Clear	Clear	Clear	58.4	-75.4	-171.0
Div 02	GSW	1100	UM	Arched Overbridge	Nm [Bridge No.209]	Clear	Clear	Clear	Clear	44.3	-48.4
Div 02	GSW	1100	UM	Arched Overbridge	Nm [Bridge No.245]	Clear	Clear	Clear	Clear	-54.3	-145.8
Div 02	GSW	1100	UM	Arched Overbridge	Nm [Bridge No.278]	Clear	Clear	Clear	Clear	2.9	-89.9
Div 02	GSW	1100	UM	Arched Overbridge	Nm A719 And 9" Water Main [Bridge No.121]	Clear	Clear	Clear	91.2	-48.3	-143.1
Div 02	GSW	1100	UM	Arched Overbridge	Nm Ardoch Farm Road [Bridge No.239]	Clear	Clear	Clear	92.2	-57.2	-149.9
Div 02	GSW	1100	UM	Arched Overbridge	Nm Auldgirth [Bridge No.277]	Clear	Clear	Clear	Clear	-15.5	-107.1
Div 02	GSW	1100	UM	Arched Overbridge	Nm B744 [Bridge No.133]	Clear	Clear	Clear	Clear	-24.4	-118.1
Div 02	GSW	1100	UM	Arched Overbridge	Nm Bellfield Farm Road [Bridge No.284]	Clear	Clear	Clear	Clear	36.6	-54.2
Div 02	GSW	1100	UM	Arched Overbridge	Nm Blackfaulds Road [Bridge No.166]	Clear	Clear	Clear	87.1	-59.5	-152.5
Div 02	GSW	1100	UM	Arched Overbridge	Nm Broomrig Farm Road [Bridge No.291]	Clear	Clear	Clear	74.5	-72.2	-185.1
Div 02	GSW	1100	UM	Arched Overbridge	Nm Carries Over Services [Bridge No.224]	Clear	Clear	Clear	Clear	71.4	-19.8
Div 02	GSW	1100	UM	Arched Overbridge	Nm Cattle Bridge [Bridge No.178]	Clear	Clear	Clear	Clear	-8.8	-101.1
Div 02	GSW	1100	UM	Arched Overbridge	Nm Cattle Bridge [Bridge No.273]	Clear	Clear	Clear	Clear	33.5	-57.5
Div 02	GSW	1100	UM	Arched Overbridge	Nm Farm Road [Bridge No.149]	Clear	Clear	Clear	Clear	29.1	-62.0
Div 02	GSW	1100	UM	Arched Overbridge	Nm Farm Road [Bridge No.185]	Clear	Clear	Clear	Clear	1.9	-88.9
Div 02	GSW	1100	UM	Arched Overbridge	Nm Farm Road [Bridge No.190]	Clear	Clear	Clear	Clear	-6.3	-97.3
Div 02	GSW	1100	UM	Arched Overbridge	Nm Farm Road [Bridge No.263]	Clear	Clear	Clear	Clear	-13.0	-104.5
Div 02	GSW	1100	UM	Arched Overbridge	Nm Kingen Cleugh [Bridge No.141]	Clear	Clear	Clear	Clear	2.0	-92.2
Div 02	GSW	1100	UM	Arched Overbridge	Nm Knockenjig Farm Road [Bridge No.215]	Clear	Clear	Clear	93.4	-56.7	-149.2
Div 02	GSW	1100	UM	Arched Overbridge	Nm Lochside [Bridge No.179]	Clear	Clear	Clear	Clear	-16.0	-107.1
Div 02	GSW	1100	UM	Arched Overbridge	Nm Lugar Road [Bridge No.168]	Clear	Clear	Clear	Clear	-11.8	-103.1
Div 02	GSW	1100	UM	Arched Overbridge	Nm Polquhap Road [Bridge No.174]	Clear	Clear	Clear	Clear	-19.7	-110.9
Div 02	GSW	1100	UM	Arched Overbridge	Nm Rosehill Farm Road [Bridge No.288]	Clear	Clear	Clear	75.0	-69.3	-162.8

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Div 02	GSW	1100	UM	Arched Overbridge	Nm Willoxstone Road [Bridge No.144]	Clear	Clear	Clear	Clear	Clear	10.0
Div 02	GSW	1100	UM	Flat Deck Overbridge	Nm_carwick [Bridge No.220]	Clear	Clear	Clear	Clear	Clear	40.6
Div 02	GSW	1100	UM	Arched Overbridge	Nm_closeburn [Bridge No.267]	Clear	Clear	Clear	Clear	-5.2	-97.0
Div 02	GSW	1100	UM	Arched Overbridge	Noblehill Georgetown Road [Bridge No.302]	Clear	Clear	Clear	Clear	-51.5	-143.3
Div 02	GSW	1100	UM	Arched Overbridge	Occupational [Bridge No.163]	Clear	Clear	Clear	Clear	-31.3	-125.7
Div 02	GSW	1100	UM	Arched Overbridge	Overbridge [Bridge No.208]	Clear	Clear	Clear	Clear	19.5	-73.3
Div 02	GSW	1100	UM	Arched Overbridge	Racks Station [Bridge No.307]	Clear	Clear	Clear	Clear	-42.9	-134.5
Div 02	GSW	1100	UM	Arched Overbridge	Skewbridge [Bridge No.316]	Clear	Clear	-1.0	-75.9	-186.2	-290.9
Div 02	GSW	1100	UM	Arched Overbridge	Station Bridge [Bridge No.347]	Clear	Clear	Clear	Clear	Clear	23.0
Div 02	GSW	1100	UM	Arched Overbridge	Townfoot [Bridge No.314]	Clear	Clear	Clear	Clear	-20.9	-112.5
Div 02	GSW	1100	UM	Arched Overbridge	Wanlockhead Road B797 [Bridge No.235]	Clear	Clear	Clear	Clear	-16.8	-109.4
Div 02	GSW	1100	UM	Arched Overbridge	Warrenhill [Bridge No.306]	Clear	Clear	Clear	Clear	-31.7	-124.8
Div 02	GSW	1101	UM	Arched Overbridge	Station Bridge [Bridge No.372]	Clear	Clear	Clear	Clear	-55.1	-146.2
Div 02	GSW	1501	Up Loop	Arched Overbridge	Glasgow Road A76(t) [Bridge No.182]	Clear	Clear	Clear	Clear	31.4	-72.1
Div 02	GSW	2100	DM	Arched Overbridge	Akitmuir [Bridge No.323]	Clear	Clear	Clear	Clear	-4.5	-95.6
Div 02	GSW	2100	DM	Arched Overbridge	Brandy Bridge [Bridge No.338]	Clear	Clear	Clear	Clear	-10.0	-101.9
Div 02	GSW	2100	DM	Arched Overbridge	Broadgate [Bridge No.315]	Clear	Clear	Clear	Clear	4.1	-86.9
Div 02	GSW	2100	DM	Arched Overbridge	Broomrig Road [Bridge No.293]	Clear	Clear	Clear	Clear	-6.7	-100.0
Div 02	GSW	2100	DM	Arched Overbridge	Brownhill [Bridge No.268]	Clear	Clear	Clear	Clear	-42.5	-134.9
Div 02	GSW	2100	DM	Arched Overbridge	Cairn Bridge [Bridge No.274]	Clear	Clear	Clear	Clear	-22.4	-113.7
Div 02	GSW	2100	DM	Arched Overbridge	Cairnhill Road [Bridge No.132]	Clear	Clear	Clear	Clear	16.9	-74.5
Div 02	GSW	2100	DM	Arched Overbridge	Cattle Bridge [Bridge No.183]	Clear	Clear	Clear	Clear	-11.5	-102.5
Div 02	GSW	2100	DM	Arched Overbridge	Cattle Bridge [Bridge No.200]	Clear	Clear	Clear	78.6	-65.1	-157.8
Div 02	GSW	2100	DM	Arched Overbridge	Cattle Bridge [Bridge No.207]	Clear	Clear	Clear	Clear	-29.9	-122.9
Div 02	GSW	2100	DM	Arched Overbridge	Cowhill Avenue [Bridge No.286]	Clear	Clear	Clear	Clear	-31.8	-125.6
Div 02	GSW	2100	DM	Arched Overbridge	Croftheads Bridge [Bridge No.341]	Clear	Clear	Clear	Clear	87.4	-6.0
Div 02	GSW	2100	DM	Arched Overbridge	Drum Road [Bridge No.252]	Clear	Clear	Clear	Clear	-32.3	-126.2
Div 02	GSW	2100	DM	Tunnel	Drumlanrig Tunnel [73 Miles 5 Chains]	Clear	Clear	Clear	Clear	Clear	-9.0
Div 02	GSW	2100	DM	Arched Overbridge	Drumshinnoch Farm Road [Bridge No.251]	Clear	Clear	Clear	Clear	-37.8	-129.5
Div 02	GSW	2100	DM	Footbridge	Dumfries Station Footbridge [Bridge No.298]	Clear	Clear	Clear	Clear	45.5	-49.6
Div 02	GSW	2100	DM	Arched Overbridge	Eastside Road [Bridge No.213]	Clear	Clear	Clear	Clear	-40.6	-132.8
Div 02	GSW	2100	DM	Arched Overbridge	Farm Road [Bridge No.197]	Clear	Clear	Clear	Clear	-32.8	-124.8
Div 02	GSW	2100	DM	Arched Overbridge	Farm Road [Bridge No.254]	Clear	Clear	Clear	96.1	-59.1	-150.8
Div 02	GSW	2100	DM	Arched Overbridge	Gateside Or Cleuchfoot Farm Road [Bridge No.218]	Clear	Clear	Clear	Clear	-17.9	-108.9
Div 02	GSW	2100	DM	Arched Overbridge	Glasgow Road A76(t) [Bridge No.182]	Clear	Clear	Clear	Clear	4.5	-85.6
Div 02	GSW	2100	DM	Arched Overbridge	Howthat [Bridge No.317]	Clear	Clear	Clear	Clear	30.6	-60.9
Div 02	GSW	2100	DM	Arched Overbridge	Locahill Farm [Bridge No.176]	Clear	Clear	Clear	Clear	-39.0	-130.0
Div 02	GSW	2100	DM	Arched Overbridge	Loganbarns [Bridge No.303]	Clear	Clear	31.4	-51.4	-202.2	-293.3
Div 02	GSW	2100	DM	Arched Overbridge	Mn Drumcork [Bridge No.257]	Clear	Clear	Clear	Clear	-42.2	-133.2
Div 02	GSW	2100	DM	Tunnel	Mossgiel Tunnel [41 Miles 21 Chains]	Clear	Clear	Clear	Clear	Clear	1.8
Div 02	GSW	2100	DM	Arched Overbridge	Netherland [Bridge No.124]	Clear	Clear	Clear	98.8	-29.8	-125.1
Div 02	GSW	2100	DM	Arched Overbridge	Nm [Bridge No.209]	Clear	Clear	Clear	90.7	-56.8	-149.7
Div 02	GSW	2100	DM	Arched Overbridge	Nm [Bridge No.245]	Clear	Clear	Clear	Clear	8.3	-85.5
Div 02	GSW	2100	DM	Arched Overbridge	Nm [Bridge No.278]	Clear	Clear	Clear	Clear	-9.7	-101.5
Div 02	GSW	2100	DM	Arched Overbridge	Nm A719 And 9" Water Main [Bridge No.121]	Clear	Clear	Clear	57.2	-91.9	-184.5
Div 02	GSW	2100	DM	Arched Overbridge	Nm Ardoch Farm Road [Bridge No.239]	Clear	Clear	Clear	Clear	-43.3	-137.5
Div 02	GSW	2100	DM	Arched Overbridge	Nm Auldgirth [Bridge No.277]	Clear	Clear	Clear	Clear	-9.5	-100.4
Div 02	GSW	2100	DM	Arched Overbridge	Nm B744 [Bridge No.133]	Clear	Clear	Clear	88.3	-57.7	-151.8
Div 02	GSW	2100	DM	Arched Overbridge	Nm Bellfield Farm Road [Bridge No.284]	Clear	Clear	Clear	Clear	-33.6	-124.6
Div 02	GSW	2100	DM	Arched Overbridge	Nm Blackfaulds Road [Bridge No.166]	Clear	Clear	Clear	Clear	58.7	-35.6

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Div 02	GSW	2100	DM	Arched Overbridge	Nm Broomrig Farm Road [Bridge No.291]	Clear	Clear	Clear	90.6	-63.0	-154.0
Div 02	GSW	2100	DM	Arched Overbridge	Nm Carries Over Services [Bridge No.224]	Clear	Clear	Clear	-5.8	-96.9	
Div 02	GSW	2100	DM	Arched Overbridge	Nm Cattle Bridge [Bridge No.178]	Clear	Clear	Clear	-51.1	-142.5	
Div 02	GSW	2100	DM	Arched Overbridge	Nm Cattle Bridge [Bridge No.273]	Clear	Clear	Clear	82.2	-65.0	-157.8
Div 02	GSW	2100	DM	Arched Overbridge	Nm Farm Road [Bridge No.149]	Clear	Clear	Clear	50.3	-102.1	-193.5
Div 02	GSW	2100	DM	Arched Overbridge	Nm Farm Road [Bridge No.185]	Clear	Clear	Clear	10.2	-80.8	
Div 02	GSW	2100	DM	Arched Overbridge	Nm Farm Road [Bridge No.190]	Clear	Clear	Clear	-16.4	-107.4	
Div 02	GSW	2100	DM	Arched Overbridge	Nm Farm Road [Bridge No.263]	Clear	Clear	Clear	79.5	-66.3	-160.1
Div 02	GSW	2100	DM	Arched Overbridge	Nm Kingen Cleugh [Bridge No.141]	Clear	Clear	Clear	-24.0	-116.1	
Div 02	GSW	2100	DM	Arched Overbridge	Nm Knockenjig Farm Road [Bridge No.215]	Clear	Clear	Clear	77.9	-67.8	-159.5
Div 02	GSW	2100	DM	Arched Overbridge	Nm Lochside [Bridge No.179]	Clear	Clear	Clear	Clear	-13.0	-103.9
Div 02	GSW	2100	DM	Arched Overbridge	Nm Lugar Road [Bridge No.168]	Clear	Clear	Clear	Clear	2.9	-87.9
Div 02	GSW	2100	DM	Arched Overbridge	Nm Polquhap Road [Bridge No.174]	Clear	Clear	Clear	-24.8	-115.7	
Div 02	GSW	2100	DM	Arched Overbridge	Nm Rosehill Farm Road [Bridge No.288]	Clear	Clear	Clear	-37.3	-129.3	
Div 02	GSW	2100	DM	Arched Overbridge	Nm Willoxstone Road [Bridge No.144]	Clear	Clear	Clear	-23.8	-115.8	
Div 02	GSW	2100	DM	Flat Deck Overbridge	Nm_carwick [Bridge No.220]	Clear	Clear	Clear	89.5	5.0	
Div 02	GSW	2100	DM	Arched Overbridge	Nm_closeburn [Bridge No.267]	Clear	Clear	Clear	Clear	9.5	-83.1
Div 02	GSW	2100	DM	Arched Overbridge	Noblehill Georgetown Road [Bridge No.302]	Clear	Clear	70.2	-13.1	-164.5	-256.3
Div 02	GSW	2100	DM	Arched Overbridge	Occupational [Bridge No.163]	Clear	Clear	Clear	79.7	-73.7	-165.0
Div 02	GSW	2100	DM	Arched Overbridge	Overbridge [Bridge No.208]	Clear	Clear	Clear	Clear	-46.5	-138.2
Div 02	GSW	2100	DM	Arched Overbridge	Racks Station [Bridge No.307]	Clear	Clear	Clear	Clear	-33.8	-124.9
Div 02	GSW	2100	DM	Arched Overbridge	Skewbridge [Bridge No.316]	Clear	Clear	42.6	-31.8	-142.3	-246.7
Div 02	GSW	2100	DM	Arched Overbridge	Station Bridge [Bridge No.347]	Clear	Clear	Clear	Clear	Clear	62.2
Div 02	GSW	2100	DM	Arched Overbridge	Townfoot [Bridge No.314]	Clear	Clear	Clear	Clear	-14.8	-105.7
Div 02	GSW	2100	DM	Arched Overbridge	Wanlockhead Road B797 [Bridge No.235]	Clear	Clear	Clear	Clear	23.4	-68.3
Div 02	GSW	2100	DM	Arched Overbridge	Warrenhill [Bridge No.306]	Clear	Clear	Clear	Clear	-47.1	-138.8
Div 02	GSW	2101	DM	Arched Overbridge	Station Bridge [Bridge No.372]	Clear	Clear	Clear	Clear	-5.8	-97.4
Div 02	GSW	3101	Bi-dir	Arched Overbridge	Green Bridge [Bridge No.362]	Clear	Clear	Clear	92.1	-54.9	-147.5
Div 02	GSW	3101	Bi-dir	Arched Overbridge	Newhouse/g Green Road [Bridge No.367]	Clear	Clear	Clear	Clear	-8.8	-99.7
Div 02	GSW	3101	Bi-dir	Arched Overbridge	Old Loaming Bridge [Bridge No.366]	Clear	Clear	Clear	Clear	Clear	43.4
Div 02	GSW	3101	Bi-dir	Arched Overbridge	Shawhill Bridge [Bridge No.350]	Clear	Clear	Clear	Clear	-9.0	-100.3
Div 02	GSW	3101	Bi-dir	Arched Overbridge	Stonehouse Bridge [Bridge No.365]	Clear	Clear	Clear	Clear	43.8	-46.1
Div 02	LFS2	1100	UM	Overbridge	Pollokshaws Rd [Bridge No.10B]	Clear	Clear	-3.7	-84.8	-214.0	-310.0
Div 02	LFS2	2100	DM	Overbridge	Pollokshaws Rd [Bridge No.10B]	Clear	Clear	41.3	-39.0	-160.5	-256.9
Div 02	WCM2	1100	UM	Footbridge	Croft Road [Bridge No.47]	Clear	Clear	Clear	Clear	Clear	45.9
Div 02	WCM2	1100	UM	Footbridge	Farmeloan Road [Bridge No.61]	Clear	Clear	Clear	Clear	84.6	2.4
Div 02	WCM2	1100	UM	Footbridge	Main Street A724 [Bridge No.53]	Clear	Clear	Clear	Clear	Clear	62.7
Div 02	WCM2	1100	UM	Overbridge	Overbridge [99 Miles 10 Chains]	Clear	Clear	Clear	Clear	Clear	51.0
Div 02	WCM2	2100	DM	Footbridge	Glasgow Road [Bridge No.63]	Clear	Clear	Clear	Clear	Clear	80.9
Div 03	BCV	1100	UM	Awnning	Tyseley Station [Up Platform 1]	Clear	Clear	Clear	Clear	60.4	-25.1
Div 03	BCV	2100	DM	Awnning	Tyseley Station [Down Platform]	Clear	Clear	Clear	Clear	-31.2	-113.9
Div 03	BJW2	1100	UM	Flat Deck Overbridge	Wednesbury Road (A461) [Bridge No.51]	Clear	Clear	Clear	Clear	94.9	9.5
Div 03	CBR2	1100	UM	Arched Overbridge	Bracebridge Wood [Bridge No.42]	Clear	Clear	Clear	Clear	56.8	-37.8
Div 03	CBR2	1100	UM	Arched Overbridge	Branton Hill Lane [Bridge No.53]	Clear	Clear	Clear	Clear	11.1	-83.2
Div 03	CBR2	1100	UM	Arched Overbridge	Coales Lane [Bridge No.26]	Clear	Clear	Clear	Clear	52.0	-52.3
Div 03	CBR2	1100	UM	Arched Overbridge	Eachelhurst [Bridge No.20]	Clear	Clear	Clear	Clear	70.0	-26.6
Div 03	CBR2	1100	UM	Arched Overbridge	Erdington Road [Bridge No.54]	Clear	Clear	Clear	97.1	-28.5	-124.1
Div 03	CBR2	1100	UM	Arched Overbridge	Mayers Bridge [Bridge No.36]	Clear	Clear	Clear	Clear	Clear	46.4
Div 03	CBR2	1100	UM	Arched Overbridge	Myatts No.2 [Bridge No.60]	Clear	Clear	Clear	Clear	65.7	-28.6
Div 03	CBR2	1100	UM	Arched Overbridge	Penns Road (B4148) [Bridge No.21]	Clear	Clear	Clear	Clear	75.7	-29.3

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Div 03	CBR2	1100	UM	Pipebridge	Sewer Bridge Carrying 9inch Pipe [Bridge No.45B]	Clear	Clear	Clear	Clear	68.3	-28.4
Div 03	CBR2	1100	UM	Arched Overbridge	Station Bridge Aldridge (A454) [Bridge No.56]	Clear	Clear	Clear	Clear	87.1	-9.9
Div 03	CBR2	1100	UM	Arched Overbridge	Thornhill Road [Bridge No.45]	Clear	Clear	Clear	Clear	68.3	-28.4
Div 03	CBR2	1100	UM	Arched Overbridge	Tumbledown [Bridge No.41]	Clear	Clear	Clear	Clear	5.0	-90.3
Div 03	CBR2	1100	UM	Underbridge	Water Main [Bridge No.45a]	Clear	Clear	Clear	Clear	68.3	-28.4
Div 03	CBR2	2100	DM	Arched Overbridge	Bosty Lane [Bridge No.62]	Clear	Clear	Clear	Clear	47.5	-85.2
Div 03	CBR2	2100	DM	Arched Overbridge	Bracebridge Wood [Bridge No.42]	Clear	Clear	Clear	Clear	Clear	9.6
Div 03	CBR2	2100	DM	Arched Overbridge	Branton Hill Lane [Bridge No.53]	Clear	Clear	Clear	Clear	33.0	-63.7
Div 03	CBR2	2100	DM	Arched Overbridge	Coales Lane [Bridge No.26]	Clear	Clear	Clear	Clear	84.4	-12.6
Div 03	CBR2	2100	DM	Arched Overbridge	Eachelhurst [Bridge No.20]	Clear	Clear	Clear	Clear	26.8	-77.5
Div 03	CBR2	2100	DM	Arched Overbridge	Erdington Road [Bridge No.54]	Clear	Clear	Clear	Clear	-21.4	-112.0
Div 03	CBR2	2100	DM	Arched Overbridge	Mayers Bridge [Bridge No.36]	Clear	Clear	Clear	Clear	Clear	52.5
Div 03	CBR2	2100	DM	Arched Overbridge	Myatts No.2 [Bridge No.60]	Clear	Clear	Clear	Clear	50.5	-46.5
Div 03	CBR2	2100	DM	Arched Overbridge	Penns Road (B4148) [Bridge No.21]	Clear	Clear	Clear	Clear	77.8	-33.4
Div 03	CBR2	2100	DM	Arched Overbridge	Station Bridge Aldridge (A454) [Bridge No.56]	Clear	Clear	Clear	Clear	21.6	-75.6
Div 03	CBR2	2100	DM	Arched Overbridge	Thornhill Road [Bridge No.45]	Clear	Clear	Clear	Clear	69.2	-31.0
Div 03	CBR2	2100	DM	Arched Overbridge	Tumbledown [Bridge No.41]	Clear	Clear	Clear	Clear	84.3	-11.6
Div 03	CNN	1100	UM	Arched Overbridge	Bedworth Coton Road Gypsy Lane [Bridge No.11]	Clear	Clear	Clear	Clear	Clear	15.9
Div 03	CNN	1100	UM	Arched Overbridge	College Street [Bridge No.7]	Clear	Clear	Clear	Clear	-10.0	-104.4
Div 03	CNN	1100	UM	Arched Overbridge	Middlemarch Road [Bridge No.8]	Clear	Clear	Clear	Clear	-37.3	-131.7
Div 03	CNN	1100	UM	Arched Overbridge	Radford Road [Bridge No.35]	Clear	Clear	Clear	Clear	89.7	-3.6
Div 03	CNN	1100	UM	Arched Overbridge	Sandy Lane [Bridge No.33]	Clear	Clear	Clear	Clear	-33.2	-127.3
Div 03	CNN	2100	DM	Arched Overbridge	Bedworth Coton Road Gypsy Lane [Bridge No.11]	Clear	Clear	Clear	Clear	54.3	-32.8
Div 03	CNN	2100	DM	Arched Overbridge	College Street [Bridge No.7]	Clear	Clear	Clear	Clear	Clear	43.9
Div 03	CNN	2100	DM	Arched Overbridge	Middlemarch Road [Bridge No.8]	Clear	Clear	Clear	Clear	98.0	5.4
Div 03	CNN	2100	DM	Arched Overbridge	Radford Road [Bridge No.35]	Clear	Clear	Clear	Clear	75.8	-74.8
Div 03	CNN	2100	DM	Arched Overbridge	Sandy Lane [Bridge No.33]	Clear	Clear	Clear	Clear	14.8	-78.1
Div 03	DBP3	2100	DM	Flat Deck Overbridge	Salteley Viaduct (A47) [Bridge No.149]	Clear	Clear	Clear	Clear	Clear	69.1
Div 03	DCL	1100	UM	Arched Overbridge	Chapel Lane [Bridge No.181]	Clear	Clear	Clear	Clear	93.1	-1.3
Div 03	DCL	1100	UM	Arched Overbridge	Four Ashes Road [Bridge No.190]	Clear	Clear	Clear	Clear	35.7	-57.9
Div 03	DCL	1100	UM	Arched Overbridge	Grange Road [Bridge No.205]	Clear	Clear	Clear	Clear	Clear	47.5
Div 03	DCL	1100	UM	Underbridge	Hampton Lane [Bridge No.160]	Clear	Clear	56.0	5.5	71.9	-23.8
Div 03	DCL	1100	UM	Tunnel	Harbury Tunnel [100 Miles 49 Chains]	Clear	Clear	Clear	Clear	79.9	-42.5
Div 03	DCL	1100	UM	Footbridge	Overbridge [Bridge No.186]	Clear	Clear	Clear	74.0	-2.8	-122.9
Div 03	DCL	1100	UM	Arched Overbridge	Rising Lane [Bridge No.180]	Clear	Clear	Clear	Clear	Clear	43.9
Div 03	DCL	1100	UM	Overbridge	Sheborn Road (B4146) [Bridge No.213A]	Clear	Clear	Clear	89.5	-49.0	-140.1
Div 03	DCL	1100	UM	Overbridge	Stockfield Road [Bridge No.215]	Clear	Clear	Clear	Clear	54.8	-57.7
Div 03	DCL	1100	UM	Aquaduct	Warwick And Napton Canal Aqueduct [Bridge No.142]	Clear	Clear	Clear	Clear	Clear	-8.5
Div 03	DCL	1100	UM	Overbridge	Yardley Road And Station Buildings [Bridge No.213]	Clear	Clear	Clear	Clear	-6.1	-100.5
Div 03	DCL	1200	US	Awning	Tyseley Station [Up Slow Awnning]	Clear	Clear	Clear	83.9	-86.0	-189.4
Div 03	DCL	1301	UG	Arched Overbridge	Grimsbury Road Waterworks Lane [Bridge No.80]	Clear	Clear	Clear	Clear	Clear	24.7
Div 03	DCL	2100	DM	Arched Overbridge	Chapel Lane [Bridge No.181]	Clear	Clear	Clear	Clear	-12.8	-107.7
Div 03	DCL	2100	DM	Arched Overbridge	Grange Road [Bridge No.205]	Clear	Clear	Clear	Clear	72.3	-21.0
Div 03	DCL	2100	DM	Arched Overbridge	Grimsbury Road Waterworks Lane [Bridge No.80]	Clear	Clear	Clear	Clear	Clear	43.3
Div 03	DCL	2100	DM	Tunnel	Harbury Tunnel [100 Miles 49 Chains]	Clear	Clear	Clear	Clear	42.4	-84.3
Div 03	DCL	2100	DM	Flat Deck Overbridge	Junction Bridge [Bridge No.108]	Clear	Clear	Clear	Clear	Clear	76.4
Div 03	DCL	2100	DM	Arched Overbridge	Rising Lane [Bridge No.180]	Clear	Clear	Clear	Clear	52.5	-42.9
Div 03	DCL	2100	DM	Aquaduct	Warwick And Napton Canal Aqueduct [Bridge No.142]	Clear	Clear	Clear	85.4	-22.5	-124.3
Div 03	DCL	2301	DG	Arched Overbridge	Grimsbury Road Waterworks Lane [Bridge No.80]	Clear	Clear	Clear	Clear	28.1	-83.7
Div 03	LSC2	3100	Bi-dir	Flat Deck Overbridge	B4100 [Bridge No.25]	Clear	Clear	Clear	Clear	Clear	88.4

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Div 03	NAJ2	1100	UM	Awning	Beaconsfield Station Awning [Up Platform]	Clear	Clear	Clear	Clear	Clear	29.5
Div 03	NAJ2	1100	UM	Arched Overbridge	Chearsley Road [Bridge No.119]	Clear	Clear	Clear	Clear	54.5	-65.5
Div 03	NAJ2	1100	UM	Awning	High Wycombe Station Awning [Up Platform]	Clear	Clear	Clear	Clear	-16.5	-99.5
Div 03	NAJ2	1100	UM	Awning	Princes Risborough Awning [Up Platform]	Clear	Clear	Clear	Clear	21.2	-63.7
Div 03	NAJ2	1100	UM	Tunnel	Saunderton Tunnel [23 Miles 31 Chains]	Clear	Clear	Clear	Clear	Clear	10.1
Div 03	NAJ2	1100	UM	Arched Overbridge	Upper Icknield Way [Bridge No.94]	Clear	Clear	Clear	Clear	Clear	72.8
Div 03	NAJ2	1100	UM	Tunnel	Whitehouse Tunnel [13 Miles 12 Chains]	Clear	Clear	Clear	Clear	63.4	-59.7
Div 03	NAJ2	2100	DM	Awning	Beaconsfield Station Awning [Down Platform]	Clear	Clear	Clear	Clear	82.4	-0.7
Div 03	NAJ2	2100	DM	Arched Overbridge	Chearsley Road [Bridge No.119]	Clear	Clear	Clear	Clear	71.5	-42.4
Div 03	NAJ2	2100	DM	Awning	Denham Station [Down Awning]	Clear	Clear	Clear	Clear	10.5	-73.1
Div 03	NAJ2	2100	DM	Arched Overbridge	Down Line Under Road [Bridge No.90]	Clear	Clear	Clear	Clear	23.7	-70.9
Div 03	NAJ2	2100	DM	Awning	Gerrards Cross Station Awning [Down Platform]	Clear	Clear	Clear	Clear	38.1	-47.6
Div 03	NAJ2	2100	DM	Awning	High Wycombe Station Awning [Down Platform]	Clear	Clear	Clear	Clear	-1.0	-83.5
Div 03	NAJ2	2100	DM	Arched Overbridge	Up Line Under Road [Bridge No.91]	Clear	Clear	Clear	Clear	68.5	-20.9
Div 03	NAJ2	2100	DM	Tunnel	Whitehouse Tunnel [13 Miles 12 Chains]	Clear	Clear	Clear	Clear	Clear	31.7
Div 03	NAJ3	1100	UM	Arched Overbridge	Accommodation [Bridge No.3]	Clear	Clear	Clear	Clear	88.6	-11.0
Div 03	NAJ3	1100	UM	Tunnel	Brill Tunnel [2 Miles 29 Chains]	Clear	Clear	Clear	Clear	Clear	65.4
Div 03	NAJ3	1100	UM	Arched Overbridge	Ludgershall [Bridge No.10]	Clear	Clear	Clear	Clear	51.8	-44.9
Div 03	NAJ3	1100	UM	Arched Overbridge	Occupation [Bridge No.20]	Clear	Clear	Clear	Clear	88.9	-8.9
Div 03	NAJ3	1100	UM	Arched Overbridge	Paddington [Bridge No.14]	Clear	Clear	Clear	Clear	81.5	-12.7
Div 03	NAJ3	1100	UM	Arched Overbridge	Woodsiding [Bridge No.4]	Clear	Clear	Clear	Clear	57.5	-64.2
Div 03	NAJ3	1101	UM	Tunnel	Ardley Tunnel [15 Miles 13 Chains]	Clear	Clear	Clear	Clear	48.7	-16.1
Div 03	NAJ3	1101	UM	Arched Overbridge	Hill House Farm [Bridge No.49]	Clear	Clear	Clear	Clear	-11.7	-83.1
Div 03	NAJ3	1101	UM	Arched Overbridge	Overbridge [Bridge No.46]	Clear	Clear	Clear	Clear	-12.6	-79.8
Div 03	NAJ3	2100	DM	Arched Overbridge	Accommodation [Bridge No.3]	Clear	Clear	Clear	Clear	49.7	-48.4
Div 03	NAJ3	2100	DM	Arched Overbridge	Ludgershall [Bridge No.10]	Clear	Clear	Clear	Clear	29.1	-64.9
Div 03	NAJ3	2100	DM	Arched Overbridge	Occupation [Bridge No.20]	Clear	Clear	Clear	Clear	48.8	-47.9
Div 03	NAJ3	2100	DM	Arched Overbridge	Paddington [Bridge No.14]	Clear	Clear	Clear	Clear	38.3	-60.1
Div 03	NAJ3	2100	DM	Arched Overbridge	Woodsiding [Bridge No.4]	Clear	Clear	Clear	Clear	66.9	-30.1
Div 03	NAJ3	3100	Bi-dir	Tunnel	Ardley Tunnel [15 Miles 13 Chains]	Clear	Clear	Clear	Clear	84.3	-40.5
Div 03	NAJ3	3100	Bi-dir	Arched Overbridge	Hill House Farm [Bridge No.49]	Clear	Clear	Clear	Clear	Clear	52.8
Div 03	NAJ3	3100	Bi-dir	Arched Overbridge	Overbridge [Bridge No.46]	Clear	Clear	Clear	Clear	84.0	-36.2
Div 03	PBJ	1100	UM	Signal Post	Signal Gantry [11 Miles 74 Chains]	Clear	Clear	Clear	Clear	76.9	-8.0
Div 03	PBJ	1100	UM	Flat Deck Overbridge	Summerford New Road A454 [Bridge No.42]	Clear	Clear	Clear	Clear	Clear	25.3
Div 03	PBJ	1100	UM	Awning	Witton Station [Up Platform Awning]	Clear	Clear	Clear	Clear	Clear	79.9
Div 03	PBJ	2100	DM	Signal	Signal [10 Miles 20 Chains]	Clear	Clear	Clear	Clear	Clear	43.3
Div 03	PBJ	2100	DM	Signal	Signal [5 Miles 47 Chains]	Clear	Clear	Clear	Clear	Clear	18.4
Div 03	PBJ	2100	DM	Tunnel	Wednesfield Heath [13 Miles 65 Chains]	Clear	Clear	Clear	Clear	Clear	56.4
Div 03	PBJ	2100	DM	Flat Deck Overbridge	West Bromwich Road [Bridge No.23]	Clear	Clear	Clear	Clear	Clear	67.1
Div 03	RBS1	1100	UM	Tunnel	Beechwood Tunnel [98 Miles 27 Chains]	Clear	Clear	Clear	Clear	Clear	-4.4
Div 03	RBS1	1100	UM	Awning	Lea Hall Station Awning [Up Platform]	Clear	Clear	Clear	Clear	Clear	93.7
Div 03	RBS1	1100	UM	Signal Gantry	Signal Gantry [104 Miles 62 Chains]	Clear	Clear	Clear	Clear	Clear	94.5
Div 03	RBS1	1100	UM	Signal Gantry	Signal Gantry [90 Miles 41 Chains]	Clear	Clear	Clear	Clear	Clear	57.0
Div 03	RBS1	2100	DM	Tunnel	Beechwood Tunnel [98 Miles 27 Chains]	Clear	Clear	Clear	Clear	Clear	-19.3
Div 03	RBS3	1100	UM	Overbridge	Gallows Brook A449 [Bridge No.66]	Clear	Clear	Clear	Clear	Clear	39.7
Div 03	RBS3	1100	UM	Overbridge	Paradise Lane [Bridge No.55]	Clear	Clear	Clear	Clear	Clear	18.8
Div 03	RBS3	1100	UM	Signal Post	Signal Post [21 Miles 65 Chains]	Clear	Clear	Clear	Clear	74.4	31.9
Div 03	RBS3	2100	DM	Overbridge	Gallows Brook A449 [Bridge No.66]	Clear	Clear	Clear	Clear	Clear	73.0
Div 03	RBS3	2100	DM	Signal Gantry	Signal Gantry [23 Miles 3 Chains]	Clear	Clear	Clear	Clear	44.1	-32.7
Div 03	SAS	1100	UM	Flat Deck Overbridge	Alum Rock Road [Bridge No.4]	Clear	Clear	Clear	Clear	Clear	42.8

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Div 03	SAS	2100	DM	Flat Deck Overbridge	Holborn Hill And Longacre B4132 [Bridge No.20]	Clear	Clear	Clear	Clear	Clear	23.3
Div 03	SAS	2100	DM	Flat Deck Overbridge	Mount Street [Bridge No.17]	Clear	Clear	Clear	Clear	Clear	43.8
Div 03	SKN	1100	UM	Arched Overbridge	Coventry Road A45 [Bridge No.159]	Clear	Clear	16.4	-27.8	-166.3	-281.2
Div 03	SKN	2100	DM	Arched Overbridge	Coventry Road A45 [Bridge No.159]	Clear	Clear	Clear	Clear	24.4	-65.5
Div 03	SKN	2100	DM	Arched Overbridge	Garrison Lane [Bridge No.162]	Clear	Clear	Clear	Clear	53.7	-38.3
Div 03	WDJ	1100	UM	Overbridge	Hillary Street B4430 [Bridge No.4]	Clear	Clear	Clear	Clear	33.0	-59.7
Div 04	OJS	1100	UM	Arched Overbridge	Botany Bay [Bridge No.550]	Clear	Clear	56.7	-13.3	-152.7	-250.6
Div 04	OJS	1100	UM	Arched Overbridge	Crawshaws A [Bridge No.551]	Clear	Clear	90.8	12.9	-99.2	-195.6
Div 04	OJS	2100	DM	Arched Overbridge	Botany Bay [Bridge No.550]	Clear	Clear	62.6	-18.5	-130.0	-226.8
Div 04	OJS	2100	DM	Arched Overbridge	Crawshaws A [Bridge No.551]	Clear	Clear	58.2	-13.7	-147.0	-242.4
Div 04	XTD	1100	UM	Arched Overbridge	Cattle Bridge [Bridge No.181]	Clear	Clear	-5.6	-60.3	-218.4	-353.0
Div 04	XTD	1100	UM	Tunnel	Chelsfield [Tunnel No.176]	Clear	Clear	30.9	-11.7	-46.5	-179.4
Div 04	XTD	1100	UM	Flat Deck Overbridge	Crofton Lane [Bridge No.165 & 165A]	Clear	Clear	Clear	Clear	Clear	68.6
Div 04	XTD	1100	UM	Arched Overbridge	Philpotts [Bridge No.218]	Clear	Clear	16.8	-40.4	-80.3	-181.2
Div 04	XTD	1100	UM	Tunnel	Polhill [Tunnel No.180]	Clear	Clear	7.7	-32.2	-67.5	-202.1
Div 04	XTD	1100	UM	Tunnel	Sevenoaks [Tunnel No.203]	50.5	50.5	-98.0	-198.7	-74.5	-248.3
Div 04	XTD	1100	UM	Arched Overbridge	Wheatsheaf [Bridge No.179]	Clear	Clear	Clear	Clear	Clear	26.1
Div 04	XTD	1203	US	Flat Deck Overbridge	Crofton Lane [Bridge No.165 & 165A]	Clear	Clear	41.9	41.9	60.8	-64.6
Div 04	XTD	1203	US	Awning	Orpington Station [Up Slow]	Clear	Clear	Clear	Clear	-16.0	-99.4
Div 04	XTD	2100	DM	Arched Overbridge	Cattle Bridge [Bridge No.181]	Clear	Clear	-17.9	-92.5	-196.9	-296.3
Div 04	XTD	2100	DM	Tunnel	Chelsfield [Tunnel No.176]	Clear	Clear	26.9	-22.4	-55.2	-190.4
Div 04	XTD	2100	DM	Flat Deck Overbridge	Crofton Lane [Bridge No.165 & 165A]	Clear	Clear	Clear	Clear	Clear	91.9
Div 04	XTD	2100	DM	Arched Overbridge	Philpotts [Bridge No.218]	Clear	Clear	63.4	5.8	-49.7	-174.9
Div 04	XTD	2100	DM	Tunnel	Polhill [Tunnel No.180]	Clear	Clear	48.1	-4.5	-49.7	-185.1
Div 04	XTD	2100	DM	Tunnel	Sevenoaks [Tunnel No.203]	Clear	Clear	8.5	-11.6	-33.9	-188.6
Div 04	XTD	2100	DM	Arched Overbridge	Shoreham Lane [Bridge No.195]	Clear	Clear	Clear	Clear	Clear	66.3
Div 04	XTD	2100	DM	Flat Deck Overbridge	Tubbs Hill [Bridge No.201]	Clear	Clear	Clear	Clear	Clear	52.9
Div 04	XTD	2100	DM	Arched Overbridge	Warren Road [Bridge No.173]	Clear	Clear	Clear	Clear	Clear	84.0
Div 04	XTD	2203	DS	Awning	Orpington Station [Down Slow]	Clear	Clear	14.5	-86.8	-266.5	-342.7
Div 04	XTD	2203	DS	Signal Gantry	Signal Gantry [13 Miles 58 Chains]	Clear	Clear	Clear	Clear	Clear	96.2
Div 05	SPD1	1100	UM	Arched Overbridge	Brickyard Bridge [Bridge No.1881]	Clear	Clear	Clear	46.8	-81.6	-178.1
Div 05	SPD1	1100	UM	Arched Overbridge	Burton Bridge [Bridge No.1883]	Clear	Clear	Clear	61.8	-58.4	-153.0
Div 05	SPD1	1100	UM	Arched Overbridge	Donnington Road (a52) [Bridge No.1872]	Clear	Clear	Clear	37.5	-72.2	-165.0
Div 05	SPD1	1100	UM	Arched Overbridge	Fen Road [Bridge No.1876]	Clear	Clear	31.4	-53.4	-151.3	-245.2
Div 05	SPD1	1100	UM	Arched Overbridge	Kirkby Mount [Bridge No.1886]	Clear	Clear	4.7	-61.5	-185.5	-282.3
Div 05	SPD1	1100	UM	Arched Overbridge	Swaton Rd,helpingham (b1394) [Bridge No.1878]	Clear	Clear	Clear	70.1	-40.0	-136.2
Div 05	SPD1	1100	UM	Arched Overbridge	Wards Bridge [Bridge No.1885]	Clear	Clear	Clear	37.0	-77.6	-164.1
Div 05	SPD1	1100	UM	Arched Overbridge	Westhorpe Road_3 Span Brick Arch [Bridge No.1871]	Clear	Clear	46.9	-22.0	-147.7	-243.1
Div 05	SPD1	2100	DM	Arched Overbridge	Brickyard Bridge [Bridge No.1881]	Clear	Clear	Clear	44.9	-67.1	-187.4
Div 05	SPD1	2100	DM	Arched Overbridge	Burton Bridge [Bridge No.1883]	Clear	Clear	63.8	-15.3	-130.2	-227.3
Div 05	SPD1	2100	DM	Arched Overbridge	Donnington Road (a52) [Bridge No.1872]	Clear	Clear	98.7	20.2	-105.9	-198.0
Div 05	SPD1	2100	DM	Arched Overbridge	Fen Road [Bridge No.1876]	Clear	Clear	Clear	36.6	-82.1	-179.0
Div 05	SPD1	2100	DM	Arched Overbridge	Kirkby Mount [Bridge No.1886]	Clear	Clear	Clear	22.4	-101.6	-194.0
Div 05	SPD1	2100	DM	Arched Overbridge	Swaton Rd,helpingham (b1394) [Bridge No.1878]	Clear	Clear	33.5	-44.1	-157.0	-256.0
Div 05	SPD1	2100	DM	Arched Overbridge	Wards Bridge [Bridge No.1885]	Clear	Clear	34.7	-31.6	-159.9	-256.8
Div 05	SPD1	2100	DM	Arched Overbridge	Westhorpe Road_3 Span Brick Arch [Bridge No.1871]	Clear	Clear	27.1	-47.4	-172.8	-267.9
Div 05	SPD2	1100	UM	Arched Overbridge	Anwick Road [Bridge No.7]	Clear	Clear	43.1	-24.1	-150.1	-243.2
Div 05	SPD2	1100	UM	Tunnel	Branston & Washingborough Tunnel [79 Miles 43 Chains]	Clear	Clear	70.3	-11.9	-130.0	-227.1
Div 05	SPD2	1100	UM	Arched Overbridge	Lincoln Lane (b1202) [Bridge No.29]	Clear	Clear	15.3	-58.9	-181.3	-273.7
Div 05	SPD2	1100	UM	Arched Overbridge	Ruskington Farm Road [Bridge No.11]	Clear	Clear	47.9	-29.7	-145.7	-237.8

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Div 05	SPD2	1100	UM	Arched Overbridge	Ruskington Fen Bridge (a153) [Bridge No.6]	Clear	Clear	Clear	13.8	-106.4	-201.7
Div 05	SPD2	1100	UM	Arched Overbridge	Ruskington Station [Bridge No.8]	Clear	Clear	Clear	22.9	-67.8	-164.7
Div 05	SPD2	1100	UM	Arched Overbridge	Station Lane [Bridge No.40]	Clear	Clear	64.2	-15.4	-120.5	-216.2
Div 05	SPD2	2100	DM	Arched Overbridge	Anwick Road [Bridge No.7]	Clear	Clear	97.2	26.6	-91.6	-187.5
Div 05	SPD2	2100	DM	Tunnel	Branston & Washingborough Tunnel [79 Miles 43 Chains]	Clear	Clear	54.1	-15.1	-125.7	-230.4
Div 05	SPD2	2100	DM	Arched Overbridge	Lincoln Lane (b1202) [Bridge No.29]	Clear	Clear	49.4	-30.0	-145.6	-242.0
Div 05	SPD2	2100	DM	Arched Overbridge	Ruskington Farm Road [Bridge No.11]	Clear	Clear	26.8	-31.7	-156.8	-252.3
Div 05	SPD2	2100	DM	Arched Overbridge	Ruskington Fen Bridge (a153) [Bridge No.6]	Clear	Clear	-18.9	-95.9	-224.8	-320.5
Div 05	SPD2	2100	DM	Arched Overbridge	Ruskington Station [Bridge No.8]	Clear	Clear	65.2	-9.9	-138.6	-233.5
Div 05	SPD2	2100	DM	Arched Overbridge	Station Lane [Bridge No.40]	Clear	Clear	Clear	28.1	-81.0	-179.2
Div 05	SPD3	2100	DM	Arched Overbridge	Farm Road [Bridge No.67]	Clear	Clear	Clear	63.0	-75.8	-165.8
Div 05	SPD3	2100	DM	Arched Overbridge	Farm Road [Bridge No.82]	Clear	Clear	Clear	Clear	Clear	22.8
Div 05	SPD3	2100	DM	Awning	Gainsborough Lea Road Station [Down Platform]	Clear	Clear	-6.2	-53.6	-71.3	-180.8
Div 05	SPD3	2100	DM	Arched Overbridge	Lea Grange Road [Bridge No.80]	Clear	Clear	Clear	Clear	Clear	-4.2
Div 05	SPD3	2100	DM	Arched Overbridge	Sir Charles Anderson's [Bridge No.81]	Clear	Clear	Clear	49.9	-60.7	-150.6
Div 05	SPD3	2100	DM	Arched Overbridge	Stow Park Farm [Bridge No.71]	Clear	Clear	Clear	77.2	-43.9	-134.5
Div 05	SPD3	2100	DM	Arched Overbridge	Sykes Farm Road [Bridge No.69]	Clear	Clear	Clear	Clear	48.7	-41.7
Div 05	SPD3	2100	DM	Arched Overbridge	Torksey Or Cowdale Lane [Bridge No.70]	Clear	Clear	Clear	78.1	-41.9	-133.1
Div 05	SPD4	1100	UM	Arched Overbridge	Auckley Road [Bridge No.103]	Clear	Clear	29.2	-31.7	-150.0	-247.1
Div 05	SPD4	1100	UM	Arched Overbridge	Bessacarr Grange Riding [Bridge No.108]	Clear	Clear	51.5	-20.4	-126.8	-224.5
Div 05	SPD4	1100	UM	Arched Overbridge	Farm Road [Bridge No. 89]	Clear	Clear	64.6	-14.2	-106.1	-200.8
Div 05	SPD4	1100	UM	Arched Overbridge	Public Road [Bridge No. 90]	Clear	Clear	57.0	-17.6	-115.3	-214.2
Div 05	SPD4	2100	DM	Arched Overbridge	Auckley Road [Bridge No.103]	Clear	Clear	50.7	-19.0	-147.4	-240.7
Div 05	SPD4	2100	DM	Arched Overbridge	Bessacarr Grange Riding [Bridge No.108]	Clear	Clear	2.1	-54.4	-176.3	-272.2
Div 05	SPD4	2100	DM	Arched Overbridge	Farm Road [Bridge No. 89]	Clear	Clear	10.5	-57.1	-161.9	-266.4
Div 05	SPD4	2100	DM	Arched Overbridge	Public Road [Bridge No. 90]	Clear	Clear	52.5	-31.6	-142.7	-240.3
Div 05	SPD4	2100	DM	Arched Overbridge	Warren Lane [Bridge No.110]	Clear	Clear	Clear	Clear	Clear	97.1
Div 05	SPD5	2100	DM	Intersection	Intersects Bks & Uds [Bridge No.86]	Clear	Clear	Clear	Clear	Clear	93.8
Div 05	SPD5	2100	DM	Intersections	Intersects Ecm1 [Bridge No.87]	Clear	Clear	Clear	Clear	Clear	87.7
Div 05	WEB	1100	UM	Arched Overbridge	Lincoln Road [Bridge No.1]	Clear	Clear	87.7	4.8	-126.7	-218.7
Div 05	WEB	2100	DM	Arched Overbridge	Lincoln Road [Bridge No.1]	Clear	Clear	19.5	-53.6	-172.2	-267.4
Div 06	HAJ	1100	UM	Footbridge	Lattice [Bridge No.25]	Clear	Clear	Clear	Clear	Clear	84.4
Div 06	HNS	1101	UM	Overbridge	Manchester Road [Bridge No.17]	Clear	Clear	Clear	33.0	-119.3	-211.9
Div 06	HNS	1101	UM	Arched Overbridge	Overbridge [Bridge No.19]	Clear	Clear	Clear	65.8	-31.4	
Div 06	HNS	1101	UM	Arched Overbridge	Stamford Road [Bridge No.21]	Clear	Clear	39.7	-42.4	-179.6	-274.8
Div 06	HNS	1102	UM	Arched Overbridge	Manchester Road A626 [Bridge No.2]	Clear	Clear	Clear	86.7	-33.4	-130.2
Div 06	HNS	2100	DM	Arched Overbridge	Manchester Road A626 [Bridge No.2]	Clear	Clear	Clear	51.6	-52.6	-148.6
Div 06	HNS	2101	DM	Overbridge	Manchester Road [Bridge No.17]	Clear	Clear	Clear	Clear	-37.3	-133.2
Div 06	HNS	2101	DM	Arched Overbridge	Overbridge [Bridge No.19]	Clear	Clear	Clear	Clear	Clear	38.1
Div 06	HNS	2101	DM	Arched Overbridge	Stamford Road [Bridge No.21]	Clear	Clear	87.0	5.0	-131.9	-227.0
Div 06	HNS	3102	Bi-dir	Footbridge	Burgess [Bridge No.11]	Clear	Clear	Clear	Clear	-16.8	-109.7
Div 06	HNS	3102	Bi-dir	Arched Overbridge	Reddish Road B6167 [Bridge No.8]	Clear	Clear	Clear	71.7	-75.8	-170.0
Div 06	MVL3	1100	UM	Arched Overbridge	Colne [Bridge No.107]	Clear	Clear	Clear	61.2	-76.6	-173.7
Div 06	MVL3	1100	UM	Flat Deck Overbridge	Field House [Bridge No.98]	Clear	Clear	Clear	Clear	Clear	87.8
Div 06	MVL3	1100	UM	Footbridge	Heyrod Hall F/b [Bridge No.7]	Clear	Clear	Clear	Clear	80.8	-9.3
Div 06	MVL3	1100	UM	Tunnel	Huddersfield South Tunnel [25 Miles 20 Chains]	Clear	Clear	Clear	58.5	-36.5	
Div 06	MVL3	1100	UM	Flat Deck Overbridge	Leeds Road.main'd By Kirklees Mbc [Bridge No.102]	Clear	Clear	Clear	93.3	7.6	
Div 06	MVL3	1100	UM	Arched Overbridge	Lockwood [Bridge No.68]	Clear	Clear	6.3	-60.4	-154.5	-268.9
Div 06	MVL3	1100	UM	Footbridge	Mossley Station Footbridge [Bridge No.14]	Clear	Clear	Clear	Clear	Clear	65.5
Div 06	MVL3	1100	UM	Arched Overbridge	Oldham Road (a670) [Bridge No.28]	Clear	Clear	Clear	Clear	42.5	-49.7

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Div 06	MVL3	1100	UM	Tunnel	Scout Tunnel [9 Miles 79 Chains]	Clear	Clear	39.7	-15.8	-90.1	-216.3
Div 06	MVL3	1100	UM	Overbridge	Spring Bank Lane (heyrod) [Bridge No.9]	Clear	Clear	Clear	Clear	-32.8	-117.3
Div 06	MVL3	1100	UM	Tunnel	Stalybridge Tunnel [8 Miles 10 Chains]	10.2	10.2	-136.4	-177.0	-237.4	-369.7
Div 06	MVL3	1100	UM	Overbridge	Stamford Street (a6018) (adj Mik Br1) [Bridge No.2]	Clear	Clear	Clear	Clear	Clear	88.2
Div 06	MVL3	1100	UM	Arched Overbridge	Wheatley's [Bridge No.103]	Clear	Clear	Clear	Clear	5.4	-90.2
Div 06	MVL3	1100	UM	Arched Overbridge	Wright Mill [Bridge No.20]	Clear	Clear	-26.4	-108.3	-247.2	-341.4
Div 06	MVL3	1100	UM	Arched Overbridge	Wrights [Bridge No.23]	Clear	Clear	99.2	17.8	-106.1	-201.8
Div 06	MVL3	2100	DM	Aquaduct	Byewash Aquaduct (g2 Listed) [Bridge No.42]	Clear	Clear	Clear	Clear	Clear	65.9
Div 06	MVL3	2100	DM	Arched Overbridge	Colne [Bridge No.107]	Clear	Clear	Clear	Clear	Clear	34.3
Div 06	MVL3	2100	DM	Flat Deck Overbridge	Field House [Bridge No.98]	Clear	Clear	Clear	Clear	Clear	32.5
Div 06	MVL3	2100	DM	Footbridge	Heyrod Hall F/b [Bridge No.7]	Clear	Clear	66.2	-6.1	-145.2	-241.4
Div 06	MVL3	2100	DM	Arched Overbridge	Lockwood [Bridge No.68]	Clear	Clear	37.2	-24.8	-113.1	-226.6
Div 06	MVL3	2100	DM	Footbridge	Mossley Station Footbridge [Bridge No.14]	Clear	Clear	Clear	Clear	99.0	11.7
Div 06	MVL3	2100	DM	Arched Overbridge	Oldham Road (a670) [Bridge No.28]	Clear	Clear	44.8	-37.6	-176.5	-273.1
Div 06	MVL3	2100	DM	Arched Overbridge	Roughtown Road [Bridge No.17]	Clear	Clear	Clear	Clear	31.8	-52.4
Div 06	MVL3	2100	DM	Tunnel	Scout Tunnel [9 Miles 79 Chains]	34.3	34.3	-113.0	-167.3	-240.2	-364.5
Div 06	MVL3	2100	DM	Overbridge	Spring Bank Lane (heyrod) [Bridge No.9]	Clear	Clear	Clear	34.3	-103.8	-200.6
Div 06	MVL3	2100	DM	Tunnel	Stalybridge Tunnel [8 Miles 10 Chains]	Clear	Clear	-4.5	-56.9	-120.5	-247.7
Div 06	MVL3	2100	DM	Tunnel	Standedge North Tunnel [15 Miles 11 Chains]	Clear	Clear	Clear	Clear	Clear	-6.6
Div 06	MVL3	2100	DM	Arched Overbridge	Wheatley's [Bridge No.103]	Clear	Clear	Clear	Clear	41.4	-54.2
Div 06	MVL3	2100	DM	Arched Overbridge	Wright Mill [Bridge No.20]	Clear	Clear	80.2	5.1	-132.4	-227.6
Div 06	MVL3	2100	DM	Arched Overbridge	Wrights [Bridge No.23]	Clear	Clear	Clear	Clear	Clear	55.2
Div 06	MVL4	2100	DM	Footbridge	Footbridge [Bridge No.4]	Clear	Clear	Clear	Clear	58.1	-37.3
Div 06	MVN2	1100	UM	Overbridge	Station Road Horbury [Bridge No.219]	Clear	Clear	63.1	-11.3	-135.2	-231.5
Div 06	MVN2	2101	DM	Intersection	Intersects Dol1 [Bridge No.233]	Clear	Clear	78.1	16.2	-36.2	-161.1
Div 06	MVN2	2101	DM	Overbridge	Millfield Road [Bridge No.225]	Clear	Clear	Clear	Clear	66.5	-34.2
Div 06	MVN2	2101	DM	Signal Gantry	Signal Gantry [45 Miles 61 Chains]	Clear	Clear	Clear	Clear	Clear	64.3
Div 06	SAJ	1100	UM	Overbridge	Granville Street (adj Sj1 Br5) [Bridge No.11]	Clear	Clear	7.4	-46.2	-169.9	-265.5
Div 06	SAJ	1100	UM	Signal Post	Signal Post: SE36R [1 Mile 40 Chains]	Clear	Clear	Clear	Clear	Clear	56.5
Div 06	SAJ	1100	UM	Overbridge	Southampton Street [Bridge No.10]	Clear	Clear	69.8	-18.8	-150.1	-246.4
Div 06	SAJ	2100	DM	Overbridge	Granville Street (adj Sj1 Br5) [Bridge No.11]	Clear	Clear	32.6	-31.3	-144.6	-238.1
Div 06	SAJ	2100	DM	Overbridge	Southampton Street [Bridge No.10]	Clear	Clear	68.8	-15.0	-141.4	-237.0
Div 07	CMD2	1100	UM	Flat Deck Overbridge	Weston A51 [Bridge No.132A]	Clear	Clear	Clear	Clear	Clear	78.0
Div 07	CMD2	2100	DM	Flat Deck Overbridge	Weston A51 [Bridge No.132A]	Clear	Clear	Clear	Clear	Clear	58.3
Div 09	NOC	1100	UM	Arched Overbridge	A162 Road [Bridge No.37]	Clear	Clear	0.6	-62.8	-186.4	-283.2
Div 09	NOC	1100	UM	Tunnel	Fairburn Tunnel [17 Miles 49 Chains]	Clear	Clear	Clear	96.2	67.8	-64.2
Div 09	NOC	1100	UM	Arched Overbridge	Wheldon Road [Bridge No.47]	Clear	Clear	Clear	97.3	-19.2	-117.0
Div 09	NOC	2100	DM	Arched Overbridge	A162 Road [Bridge No.37]	Clear	Clear	Clear	98.1	-53.0	-144.1
Div 09	NOC	2100	DM	Tunnel	Fairburn Tunnel [17 Miles 49 Chains]	Clear	Clear	32.5	-11.7	-37.0	-174.5
Div 09	NOC	2100	DM	Arched Overbridge	Intersects Hu3 [Bridge No.31]	Clear	Clear	18.7	-58.0	-157.4	-268.9
Div 09	NOC	2100	DM	Arched Overbridge	Wheldon Road [Bridge No.47]	Clear	Clear	Clear	Clear	-17.0	-107.8
Div 10	NEC1	1100	UM	Tunnel	Bensham Tunnel [Bridge No.12]	Clear	Clear	Clear	55.9	-65.2	-161.4
Div 10	NEC1	2100	DM	Tunnel	Bensham Tunnel [Bridge No.12]	Clear	Clear	Clear	Clear	-38.4	-132.1
Div 10	NEC2	1100	UM	Tunnel	London Rd Tunnel A6 [Bridge No.169]	Clear	Clear	Clear	29.6	-106.5	-202.5
Div 10	NEC2	1101	UM	Arched Overbridge	A695 Riding Mill [Bridge No. 66]	Clear	Clear	Clear	Clear	24.6	-70.5
Div 10	NEC2	1101	UM	Arched Overbridge	B6309 Road Bridge [Bridge No. 58]	Clear	Clear	Clear	Clear	19.9	-80.6
Div 10	NEC2	1101	UM	Arched Overbridge	Brampton Fell [Bridge No. 144]	Clear	Clear	Clear	Clear	-23.3	-116.9
Div 10	NEC2	1101	UM	Arched Overbridge	Greenhead [Bridge No. 130]	Clear	Clear	Clear	56.9	-70.4	-166.3
Div 10	NEC2	1101	UM	Flat Deck Overbridge	Haltwhistle [Bridge No. 119]	Clear	Clear	Clear	Clear	Clear	93.8
Div 10	NEC2	1101	UM	Arched Overbridge	Haltwhistle Industrial Estate [Bridge No. 120]	Clear	Clear	Clear	Clear	-42.9	-135.6

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Div 10	NEC2	1101	UM	Arched Overbridge	Heads Nook [Bridge No. 153]	Clear	Clear	95.8	12.7	-130.7	-223.3
Div 10	NEC2	1101	UM	Footbridge	Hexham Footbridge [Bridge No. 78]	Clear	Clear	Clear	Clear	77.7	-16.1
Div 10	NEC2	1101	UM	Overbridge	Hexham Signal Box Gantry [Bridge No.77aa]	Clear	Clear	Clear	Clear	39.1	
Div 10	NEC2	1101	UM	Awning	Hexham Station Awning [Up Line]	Clear	Clear	Clear	Clear	50.9	
Div 10	NEC2	1101	UM	Arched Overbridge	Morrale Farm [Bridge No. 94]	Clear	Clear	Clear	Clear	-5.3	-101.4
Div 10	NEC2	1101	UM	Arched Overbridge	Overbridge [Bridge No. 146]	Clear	Clear	Clear	Clear	-28.7	-123.3
Div 10	NEC2	1101	UM	Footbridge	Riding Mill Footbridge [Bridge No. 68]	Clear	Clear	Clear	Clear	78.5	
Div 10	NEC2	1101	UM	Arched Overbridge	Scarlow Hill [Bridge No. 140]	Clear	Clear	Clear	Clear	35.2	-58.7
Div 10	NEC2	1101	UM	Arched Overbridge	Skellion [Bridge No.149]	Clear	Clear	Clear	Clear	10.9	
Div 10	NEC2	1101	UM	Footbridge	Wetheral Station Footbridge [Bridge No.158]	Clear	Clear	Clear	Clear	Clear	72.2
Div 10	NEC2	1101	UM	Tunnel	Whitchester Tunnel [35 Miles 69 Chains]	Clear	Clear	13.2	-48.5	-124.4	-248.8
Div 10	NEC2	2100	DM	Tunnel	London Rd Tunnel A6 [Bridge No.169]	Clear	Clear	Clear	80.6	-62.6	-156.7
Div 10	NEC2	2101	DM	Arched Overbridge	A695 Riding Mill [Bridge No. 66]	Clear	Clear	87.3	4.7	-141.3	-234.3
Div 10	NEC2	2101	DM	Arched Overbridge	Brampton Fell [Bridge No. 144]	Clear	Clear	Clear	Clear	Clear	69.9
Div 10	NEC2	2101	DM	Arched Overbridge	Greenhead [Bridge No. 130]	Clear	Clear	22.5	-53.7	-173.5	-270.2
Div 10	NEC2	2101	DM	Footbridge	Haltwhistle Footbridge [Bridge No. 118]	Clear	Clear	Clear	Clear	Clear	81.9
Div 10	NEC2	2101	DM	Arched Overbridge	Haltwhistle Industrial Estate [Bridge No. 120]	Clear	Clear	Clear	58.0	-84.0	-178.6
Div 10	NEC2	2101	DM	Arched Overbridge	Heads Nook [Bridge No. 153]	Clear	Clear	Clear	88.5	-56.3	-149.4
Div 10	NEC2	2101	DM	Arched Overbridge	Morrale Farm [Bridge No. 94]	Clear	Clear	Clear	Clear	23.7	-69.6
Div 10	NEC2	2101	DM	Arched Overbridge	Overbridge [Bridge No. 146]	Clear	Clear	Clear	Clear	9.7	-33.4
Div 10	NEC2	2101	DM	Footbridge	Prudhoe Footbridge [Bridge No. 47]	Clear	Clear	Clear	Clear	Clear	51.2
Div 10	NEC2	2101	DM	Arched Overbridge	Scarlow Hill [Bridge No. 140]	Clear	Clear	Clear	Clear	69.9	-25.2
Div 10	NEC2	2101	DM	Arched Overbridge	Skellion [Bridge No.149]	Clear	Clear	Clear	93.0	59.7	-48.4
Div 10	NEC2	2101	DM	Tunnel	Whitchester Tunnel [35 Miles 69 Chains]	56.3	56.3	-94.0	-151.9	-209.9	-331.7
Div 10	UCJ	1300	UG	Miscellaneous	Ground Signal & Sign [0m25c]	Clear	Clear	Clear	98.3	Clear	93.4
Div 11	DJH	1100	UM	Arched Overbridge	Coppy [Bridge No.94]	Clear	Clear	93.3	11.4	-121.2	-216.1
Div 11	DJH	1100	UM	Arched Overbridge	Fulshaw No 1 [Bridge No.82]	Clear	Clear	Clear	94.5	-33.9	-129.9
Div 11	DJH	1100	UM	Arched Overbridge	Fulshaw No 2 [Bridge No.83]	Clear	Clear	Clear	39.1	-78.9	-175.3
Div 11	DJH	1100	UM	Arched Overbridge	Gisburn Cotes No 2 [Bridge No.90]	Clear	Clear	Clear	89.9	-35.0	-131.3
Div 11	DJH	1100	UM	Tunnel	Gisburn Tunnel (bridge) [Bridge No.96]	Clear	Clear	65.4	-16.9	-143.3	-240.4
Div 11	DJH	1100	UM	Arched Overbridge	Longholme Row [Bridge No.91]	Clear	Clear	Clear	49.1	-69.9	-166.9
Div 11	DJH	1100	UM	Overbridge	Overbridge [28 Miles 14 Chains]	Clear	Clear	57.7	-13.9	-141.5	-237.5
Div 11	DJH	1100	UM	Arched Overbridge	Peels No 3 [Bridge No.107]	Clear	Clear	87.9	10.2	-122.1	-218.2
Div 11	DJH	1100	UM	Arched Overbridge	Peels No 7 [Bridge No.111]	Clear	Clear	Clear	26.8	-94.1	-190.1
Div 11	DJH	1100	UM	Overbridge	Settle Rd No 1 A682 [Bridge No.97]	Clear	Clear	Clear	Clear	Clear	44.7
Div 11	DJH	1100	UM	Arched Overbridge	Stn Rd Gisburn [Bridge No.95]	Clear	Clear	Clear	77.3	-19.4	
Div 11	DJH	1100	UM	Arched Overbridge	Strickleton No 1 [Bridge No.101]	Clear	Clear	Clear	31.4	-99.6	-195.2
Div 11	DJH	1100	UM	Arched Overbridge	Thompsons No 1 [Bridge No.122]	Clear	Clear	Clear	46.6	-92.9	-188.6
Div 11	DJH	1100	UM	Arched Overbridge	Thompsons No 2 [Bridge No.123]	Clear	Clear	69.6	-2.9	-130.1	-227.0
Div 11	DJH	1100	UM	Arched Overbridge	Wheatley No 1 [Bridge No.92]	Clear	Clear	Clear	41.6	-88.5	-184.5
Div 11	DJH	1100	UM	Arched Overbridge	Wheatley No 2 [Bridge No.93]	Clear	Clear	50.7	-27.5	-151.5	-247.9
Div 11	DJH	2100	DM	Arched Overbridge	Coppy [Bridge No.94]	Clear	Clear	Clear	32.2	-97.6	-193.9
Div 11	DJH	2100	DM	Arched Overbridge	Fulshaw No 1 [Bridge No.82]	Clear	Clear	Clear	96.9	-28.4	-124.4
Div 11	DJH	2100	DM	Arched Overbridge	Fulshaw No 2 [Bridge No.83]	Clear	Clear	Clear	33.1	-93.3	-190.0
Div 11	DJH	2100	DM	Arched Overbridge	Gisburn Cotes No 2 [Bridge No.90]	Clear	Clear	Clear	45.9	-50.5	
Div 11	DJH	2100	DM	Tunnel	Gisburn Tunnel (bridge) [Bridge No.96]	Clear	Clear	73.7	-5.3	-138.7	-234.4
Div 11	DJH	2100	DM	Arched Overbridge	Longholme Row [Bridge No.91]	Clear	Clear	84.9	11.5	-123.5	-220.0
Div 11	DJH	2100	DM	Arched Overbridge	Peels No 3 [Bridge No.107]	Clear	Clear	Clear	Clear	64.3	-32.1
Div 11	DJH	2100	DM	Arched Overbridge	Peels No 7 [Bridge No.111]	Clear	Clear	78.6	6.6	-129.6	-225.6
Div 11	DJH	2100	DM	Overbridge	Settle Rd No 1 A682 [Bridge No.97]	Clear	Clear	Clear	89.8	45.4	-87.7

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Div 11	DJH	2100	DM	Arched Overbridge	Strickleton No 1 [Bridge No.101]	Clear	Clear	50.2	-29.6	-168.4	-264.0
Div 11	DJH	2100	DM	Arched Overbridge	Strickleton No 2 [Bridge No.102]	Clear	Clear	Clear	Clear	69.7	-26.4
Div 11	DJH	2100	DM	Arched Overbridge	Thompsons No 1 [Bridge No.122]	Clear	Clear	14.5	-58.2	-180.4	-278.2
Div 11	DJH	2100	DM	Arched Overbridge	Thompsons No 2 [Bridge No.123]	Clear	Clear	Clear	Clear	30.7	-66.1
Div 11	DJH	2100	DM	Arched Overbridge	Wheatley No 1 [Bridge No.92]	Clear	Clear	Clear	60.9	-65.6	-161.3
Div 11	DJH	2100	DM	Arched Overbridge	Wheatley No 2 [Bridge No.93]	Clear	Clear	Clear	76.7	-63.2	-159.0
Div 11	FHR1	1100	UM	Flat Deck Overbridge	Cook Lane [Bridge No.2]	Clear	Clear	Clear	Clear	Clear	98.7
Div 11	FHR2	1100	UM	Arched Overbridge	Moss Lane Also Spans Lhl Route [Bridge No.83]	Clear	Clear	Clear	66.3	-71.3	-167.1
Div 11	FHR2	1100	UM	Overbridge	Watkin Lane A582 [Bridge No.82]	Clear	Clear	Clear	Clear	-25.5	-118.6
Div 11	FHR2	2100	DM	Arched Overbridge	Moss Lane Also Spans Lhl Route [Bridge No.83]	Clear	Clear	Clear	43.2	-93.5	-188.8
Div 11	FHR2	2100	DM	Overbridge	Watkin Lane A582 [Bridge No.82]	Clear	Clear	Clear	Clear	69.9	-22.9
Div 11	FHR4	1100	UM	Signal Box	Bamber Bridge [2 Miles 32 Chains]	Clear	Clear	Clear	Clear	Clear	84.0
Div 11	FHR4	1100	UM	Arched Overbridge	Banning [Bridge No.9]	Clear	Clear	Clear	18.7	-117.3	-214.8
Div 11	FHR4	1100	UM	Arched Overbridge	Victoria Road [Bridge No.14]	Clear	Clear	Clear	Clear	Clear	19.7
Div 11	FHR4	2100	DM	Arched Overbridge	Banning [Bridge No.9]	Clear	Clear	Clear	Clear	-48.7	-140.0
Div 11	FHR4	2100	DM	Flat Deck Overbridge	New Chapel Street [Bridge No.21]	Clear	Clear	Clear	Clear	Clear	38.8
Div 11	FHR4	2100	DM	Arched Overbridge	Victoria Road [Bridge No.14]	Clear	Clear	Clear	Clear	Clear	14.3
Div 11	FHR4	3500	Bi-dir	Awnning	Blackburn Station [Platform 1 Awning]	Clear	Clear	Clear	Clear	65.6	-17.0
Div 11	FHR5	1100	UM	Tunnel	Blackburn Tunnel [10 Miles 58 Chains]	Clear	Clear	Clear	Clear	-8.9	-105.1
Div 11	FHR5	2100	DM	Tunnel	Blackburn Tunnel [10 Miles 58 Chains]	Clear	Clear	82.9	-41.9	-139.3	
Div 11	LHL	1100	UM	Arched Overbridge	Arch Overbridge [0 Miles 72 Chains]	Clear	Clear	Clear	36.5	-97.7	-193.5
Div 11	SAC	1100	UM	Arched Overbridge	Ashes [Bridge No.62]	Clear	Clear	Clear	34.7	-96.3	-190.4
Div 11	SAC	1100	UM	Arched Overbridge	Browns [Bridge No.23]	Clear	Clear	Clear	82.5	-31.8	-130.8
Div 11	SAC	1100	UM	Arched Overbridge	County Bridge [Bridge No.33]	Clear	Clear	Clear	Clear	-27.0	-123.2
Div 11	SAC	1100	UM	Arched Overbridge	Cragg Hill [Bridge No.38]	Clear	Clear	Clear	Clear	-0.3	-91.4
Div 11	SAC	1100	UM	Arched Overbridge	Crook Syke [Bridge No.60]	Clear	Clear	22.0	-56.2	-166.6	-267.2
Div 11	SAC	1100	UM	Arched Overbridge	Lodge Road [Bridge No.3]	Clear	Clear	84.2	7.6	-115.6	-211.5
Div 11	SAC	1100	UM	Arched Overbridge	Low Moor [Bridge No.50]	Clear	Clear	28.7	-45.2	-148.0	-256.4
Div 11	SAC	1100	UM	Arched Overbridge	Saltlake [Bridge No.63]	Clear	Clear	Clear	46.0	-70.8	-172.9
Div 11	SAC	1100	UM	Arched Overbridge	Samsons [Bridge No.42]	Clear	Clear	Clear	20.4	-88.8	-193.2
Div 11	SAC	1100	UM	Arched Overbridge	Sherwood [Bridge No.26]	Clear	Clear	29.1	-44.0	-161.1	-258.6
Div 11	SAC	1100	UM	Arched Overbridge	Sherwood House [Bridge No.29]	Clear	Clear	7.2	-66.4	-187.0	-283.2
Div 11	SAC	1100	UM	Arched Overbridge	Stainforth Foss [Bridge No.24]	Clear	Clear	33.2	-44.8	-165.2	-262.3
Div 11	SAC	1101	UM	Arched Overbridge	Aisgill Moor Road [Bridge No.136]	Clear	Clear	Clear	36.6	-77.4	-173.6
Div 11	SAC	1101	UM	Arched Overbridge	Appleby Gill [Bridge No.194]	Clear	Clear	29.8	-45.1	-171.5	-268.5
Div 11	SAC	1101	UM	Tunnel	Armathwaite [296 Miles 51 Chains]	83.9	83.9	-57.2	-97.1	-131.6	-267.3
Div 11	SAC	1101	UM	Tunnel	Baron Wood [Tunnel No.1]	Clear	Clear	85.5	39.2	4.3	-128.8
Div 11	SAC	1101	UM	Tunnel	Baron Wood [Tunnel No.2]	Clear	Clear	Clear	77.9	50.2	-88.3
Div 11	SAC	1101	UM	Arched Overbridge	Baronwood Park [Bridge No.314]	Clear	Clear	Clear	34.1	-83.2	
Div 11	SAC	1101	UM	Arched Overbridge	Birchwood Lane [Bridge No.293]	Clear	Clear	Clear	Clear	44.6	
Div 11	SAC	1101	UM	Arched Overbridge	Bird House [Bridge No.309]	Clear	Clear	14.6	-61.6	-164.2	-275.4
Div 11	SAC	1101	UM	Tunnel	Birkett Tunnel [264 Miles 23 Chains]	Clear	Clear	9.1	-36.3	-67.8	-205.8
Div 11	SAC	1101	UM	Tunnel	Blea Moor Tunnel [249 Miles 25 Chains]	-27.1	-27.1	-171.7	-224.4	-268.1	-398.6
Div 11	SAC	1101	UM	Arched Overbridge	Bongate [Bridge No.235]	Clear	Clear	37.0	-37.0	-157.4	-255.0
Div 11	SAC	1101	UM	Arched Overbridge	Castle View [Bridge No.319]	Clear	Clear	-28.9	-105.2	-208.9	-314.4
Div 11	SAC	1101	UM	Tunnel	Crosby Garrett [249 Miles 0 Chains]	Clear	Clear	Clear	Clear	15.3	
Div 11	SAC	1101	UM	Arched Overbridge	Crow Hill [Bridge No.218]	Clear	Clear	Clear	97.0	-41.4	-136.6
Div 11	SAC	1101	UM	Tunnel	Culgaith [284 Miles 77 Chains]	Clear	Clear	78.5	43.6	21.4	-106.9
Div 11	SAC	1101	UM	Arched Overbridge	Cumwhinton Road [Bridge No.346]	Clear	Clear	Clear	21.3	-92.0	-189.2
Div 11	SAC	1101	UM	Arched Overbridge	Deep Gill [Bridge No.151]	Clear	Clear	Clear	61.1	-45.0	-142.2

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Div 11	SAC	1101	UM	Arched Overbridge	Dinsdale [Bridge No.113]	Clear	Clear	Clear	59.4	-35.9	-141.9
Div 11	SAC	1101	UM	Arched Overbridge	Doctors [Bridge No.292]	Clear	Clear	Clear	64.0	-46.7	-150.6
Div 11	SAC	1101	UM	Arched Overbridge	Duncow Fold [Bridge No.338]	Clear	Clear	31.4	-39.8	-154.2	-257.0
Div 11	SAC	1101	UM	Arched Overbridge	Eastrigg Road [Bridge No.245]	Clear	Clear	35.5	-37.7	-145.4	-250.0
Div 11	SAC	1101	UM	Arched Overbridge	Eden Brows [Bridge No.332]	Clear	Clear	Clear	54.0	-51.4	-158.2
Div 11	SAC	1101	UM	Arched Overbridge	Eden Lacy [Bridge No.303]	Clear	Clear	Clear	Clear	-23.1	-119.7
Div 11	SAC	1101	UM	Arched Overbridge	Froddle Crook [Bridge No.330]	Clear	Clear	Clear	Clear	30.2	-73.9
Div 11	SAC	1101	UM	Footbridge	Grisedale Crossing [Bridge No.122A]	Clear	Clear	Clear	Clear	Clear	24.2
Div 11	SAC	1101	UM	Arched Overbridge	Hangmans [Bridge No.141]	Clear	Clear	68.7	-7.0	-116.1	-218.2
Div 11	SAC	1101	UM	Arched Overbridge	Helm Farm [Bridge No.224]	Clear	Clear	Clear	54.2	-57.1	-163.4
Div 11	SAC	1101	UM	Arched Overbridge	Helm Road [Bridge No.225]	Clear	Clear	Clear	Clear	-8.0	-108.7
Div 11	SAC	1101	UM	Tunnel	Helm Tunnel [273 Miles 25 Chains]	63.7	63.7	-73.2	-121.1	-156.0	-289.8
Div 11	SAC	1101	UM	Arched Overbridge	Intick [Bridge No.182]	Clear	Clear	Clear	39.6	-70.8	-175.3
Div 11	SAC	1101	UM	Arched Overbridge	Lambers [Bridge No.82]	Clear	Clear	87.5	9.2	-121.1	-217.5
Div 11	SAC	1101	UM	Tunnel	Lazonby Tunnel [292 Miles 25 Chains]	Clear	Clear	Clear	Clear	Clear	-32.7
Div 11	SAC	1101	UM	Arched Overbridge	Little Ing [Bridge No.149]	Clear	Clear	65.7	-15.8	-117.1	-217.8
Div 11	SAC	1101	UM	Arched Overbridge	Metcalfes [Bridge No.106]	Clear	Clear	7.7	-71.1	-181.1	-285.7
Div 11	SAC	1101	UM	Arched Overbridge	Metcalfes [Bridge No.108]	Clear	Clear	52.4	-30.4	-138.8	-237.2
Div 11	SAC	1101	UM	Arched Overbridge	Mickleton [Bridge No.281]	Clear	Clear	Clear	Clear	24.7	-83.4
Div 11	SAC	1101	UM	Arched Overbridge	Mickleton [Bridge No.282]	Clear	Clear	-19.2	-94.3	-210.0	-310.0
Div 11	SAC	1101	UM	Arched Overbridge	Milburn Road [Bridge No.262]	Clear	Clear	9.1	-71.5	-186.0	-284.4
Div 11	SAC	1101	UM	Tunnel	Moorcock Tunnel [257 Miles 39 Chains]	Clear	Clear	Clear	Clear	77.3	-58.7
Div 11	SAC	1101	UM	Arched Overbridge	Nelsons [Bridge No.291]	Clear	Clear	Clear	Clear	6.3	-90.1
Div 11	SAC	1101	UM	Arched Overbridge	Quarry [Bridge No.312]	Clear	Clear	Clear	Clear	Clear	41.8
Div 11	SAC	1101	UM	Tunnel	Risehill Tunnel [254 Miles 11 Chains]	Clear	Clear	-25.6	-65.0	-108.2	-235.7
Div 11	SAC	1101	UM	Arched Overbridge	Sampsons Chambers [Bridge No.313]	Clear	Clear	17.6	-62.3	-180.0	-276.5
Div 11	SAC	1101	UM	Arched Overbridge	Scotby Shields [Bridge No.349]	Clear	Clear	-50.5	-120.7	-237.4	-336.7
Div 11	SAC	1101	UM	Tunnel	Shotlock Hill [258 Miles 38 Chains]	Clear	Clear	-2.4	-44.3	-74.0	-210.2
Div 11	SAC	1101	UM	Arched Overbridge	Skew B6412 [Bridge No.280]	Clear	Clear	31.1	-34.8	-139.6	-237.3
Div 11	SAC	1101	UM	Arched Overbridge	Stain Gills [Bridge No.278]	Clear	Clear	Clear	Clear	88.1	-9.0
Div 11	SAC	1101	UM	Arched Overbridge	Swallow Pot Lane [Bridge No.175]	Clear	Clear	Clear	Clear	-15.2	-112.2
Div 11	SAC	1101	UM	Arched Overbridge	Swine Hill [Bridge No.356]	Clear	Clear	-24.4	-92.2	-208.6	-304.4
Div 11	SAC	1101	UM	Arched Overbridge	Sycamore [Bridge No.153]	Clear	Clear	Clear	23.1	-97.6	-194.4
Div 11	SAC	1101	UM	Arched Overbridge	Thornbarrow [Bridge No.257]	Clear	Clear	Clear	Clear	32.9	-60.3
Div 11	SAC	1101	UM	Arched Overbridge	Throstle Hall [Bridge No.300]	Clear	Clear	Clear	62.4	-51.5	-148.9
Div 11	SAC	1101	UM	Arched Overbridge	Tofts [Bridge No.251]	Clear	Clear	72.3	0.8	-120.8	-217.4
Div 11	SAC	1101	UM	Underbridge	Underbridge [Bridge No.329]	Clear	Clear	Clear	Clear	14.8	-96.9
Div 11	SAC	1101	UM	Arched Overbridge	Waity School Road [Bridge No.188]	Clear	Clear	Clear	52.4	-54.2	-161.4
Div 11	SAC	1101	UM	Arched Overbridge	Wallace Field [Bridge No.328]	Clear	Clear	44.4	-26.2	-152.7	-260.3
Div 11	SAC	1101	UM	Tunnel	Wastebank Tunnel [285 Miles 47 Chains]	Clear	Clear	66.1	30.5	-3.6	-136.1
Div 11	SAC	1101	UM	Arched Overbridge	Wedber Lane [Bridge No.233]	Clear	Clear	32.1	-45.8	-156.7	-259.8
Div 11	SAC	1101	UM	Arched Overbridge	Wetherall Shields [Bridge No.344]	Clear	Clear	95.9	18.9	-96.5	-196.1
Div 11	SAC	1101	UM	Arched Overbridge	Willans [Bridge No.104]	Clear	Clear	37.3	-43.6	-159.4	-256.4
Div 11	SAC	1101	UM	Arched Overbridge	Willies [Bridge No.310]	Clear	Clear	36.8	-40.0	-166.0	-263.6
Div 11	SAC	1101	UM	Arched Overbridge	Windy Hill [Bridge No.244]	Clear	Clear	66.5	-9.2	-122.0	-223.1
Div 11	SAC	2100	DM	Arched Overbridge	Ashes [Bridge No.62]	Clear	Clear	Clear	80.2	-56.3	-150.7
Div 11	SAC	2100	DM	Arched Overbridge	Browns [Bridge No.23]	Clear	Clear	47.7	-28.9	-136.4	-243.1
Div 11	SAC	2100	DM	Arched Overbridge	County Bridge [Bridge No.33]	Clear	Clear	Clear	Clear	6.8	-88.4
Div 11	SAC	2100	DM	Arched Overbridge	Cragg Hill [Bridge No.38]	Clear	Clear	Clear	82.0	-55.7	-150.6
Div 11	SAC	2100	DM	Arched Overbridge	Crook Syke [Bridge No.60]	Clear	Clear	Clear	66.1	-44.8	-147.1

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Div 11	SAC	2100	DM	Arched Overbridge	Gober [Bridge No.64]	Clear	Clear	Clear	Clear	80.5	-16.0
Div 11	SAC	2100	DM	Arched Overbridge	Lodge Road [Bridge No.3]	Clear	Clear	20.2	-55.6	-168.7	-269.3
Div 11	SAC	2100	DM	Arched Overbridge	Low Moor [Bridge No.50]	Clear	Clear	Clear	Clear	34.5	-66.5
Div 11	SAC	2100	DM	Arched Overbridge	Saltlake [Bridge No.63]	Clear	Clear	67.8	-6.8	-107.4	-216.9
Div 11	SAC	2100	DM	Arched Overbridge	Samsons [Bridge No.42]	Clear	Clear	57.8	-18.0	-133.9	-231.9
Div 11	SAC	2100	DM	Arched Overbridge	Sherwood [Bridge No.26]	Clear	Clear	48.0	-27.1	-139.4	-243.0
Div 11	SAC	2100	DM	Arched Overbridge	Sherwood House [Bridge No.29]	Clear	Clear	34.6	-35.0	-146.7	-254.4
Div 11	SAC	2100	DM	Arched Overbridge	Stainforth Foss [Bridge No.24]	Clear	Clear	7.7	-70.5	-190.2	-286.7
Div 11	SAC	2100	DM	Tunnel	Stainforth Tunnel [238 Miles 53 Chains]	Clear	Clear	Clear	Clear	Clear	95.9
Div 11	SAC	2101	DM	Arched Overbridge	Aisgill Moor Road [Bridge No.136]	Clear	Clear	Clear	67.9	-48.5	-146.4
Div 11	SAC	2101	DM	Arched Overbridge	Appleby Gill [Bridge No.194]	Clear	Clear	38.4	-45.3	-165.9	-263.9
Div 11	SAC	2101	DM	Tunnel	Armathwaite [296 Miles 51 Chains]	85.4	85.4	-44.9	-84.3	-106.9	-246.2
Div 11	SAC	2101	DM	Tunnel	Baron Wood [Tunnel No.1]	Clear	Clear	61.1	19.3	-20.5	-152.3
Div 11	SAC	2101	DM	Tunnel	Baron Wood [Tunnel No.2]	Clear	Clear	51.0	13.9	-15.4	-149.8
Div 11	SAC	2101	DM	Arched Overbridge	Birchwood Lane [Bridge No.293]	Clear	Clear	61.0	-13.1	-122.6	-228.5
Div 11	SAC	2101	DM	Arched Overbridge	Bird House [Bridge No.309]	Clear	Clear	Clear	22.6	-109.2	-206.1
Div 11	SAC	2101	DM	Tunnel	Birkett Tunnel [264 Miles 23 Chains]	Clear	Clear	22.2	-28.6	-75.3	-201.3
Div 11	SAC	2101	DM	Tunnel	Blea Moor Tunnel [249 Miles 25 Chains]	85.5	85.5	-42.6	-85.2	-115.8	-252.8
Div 11	SAC	2101	DM	Arched Overbridge	Bongate [Bridge No.235]	Clear	Clear	82.3	7.5	-112.1	-209.3
Div 11	SAC	2101	DM	Arched Overbridge	Castle View [Bridge No.319]	Clear	Clear	Clear	Clear	59.7	-40.4
Div 11	SAC	2101	DM	Tunnel	Crosby Garrett [249 Miles 0 Chains]	Clear	Clear	71.6	27.9	2.9	-135.2
Div 11	SAC	2101	DM	Arched Overbridge	Crow Hill [Bridge No.218]	Clear	Clear	Clear	Clear	Clear	25.5
Div 11	SAC	2101	DM	Tunnel	Culgaith [284 Miles 77 Chains]	Clear	Clear	95.8	58.3	29.7	-108.2
Div 11	SAC	2101	DM	Arched Overbridge	Cumwhinton Road [Bridge No.346]	Clear	Clear	17.0	-53.2	-158.7	-266.5
Div 11	SAC	2101	DM	Arched Overbridge	Deep Gill [Bridge No.151]	Clear	Clear	86.1	11.9	-96.9	-193.3
Div 11	SAC	2101	DM	Arched Overbridge	Dinsdale [Bridge No.113]	Clear	Clear	Clear	86.1	-8.6	-122.5
Div 11	SAC	2101	DM	Arched Overbridge	Doctors [Bridge No.292]	Clear	Clear	Clear	51.9	-66.6	-163.9
Div 11	SAC	2101	DM	Arched Overbridge	Duncow Fold [Bridge No.338]	Clear	Clear	69.1	-6.8	-124.9	-221.8
Div 11	SAC	2101	DM	Arched Overbridge	Eastrigg Road [Bridge No.245]	Clear	Clear	96.2	19.3	-91.2	-191.8
Div 11	SAC	2101	DM	Arched Overbridge	Eden Brows [Bridge No.332]	Clear	Clear	Clear	26.5	-82.4	-187.6
Div 11	SAC	2101	DM	Arched Overbridge	Eden Lacy [Bridge No.303]	Clear	Clear	-19.4	-93.9	-212.2	-309.8
Div 11	SAC	2101	DM	Arched Overbridge	Froddle Crook [Bridge No.330]	Clear	Clear	Clear	Clear	94.7	-21.1
Div 11	SAC	2101	DM	Footbridge	Grisedale Crossing [Bridge No.122A]	Clear	Clear	Clear	Clear	Clear	76.6
Div 11	SAC	2101	DM	Arched Overbridge	Helm Farm [Bridge No.224]	Clear	Clear	69.6	-5.8	-116.8	-221.0
Div 11	SAC	2101	DM	Arched Overbridge	Helm Road [Bridge No.225]	Clear	Clear	80.3	4.1	-109.9	-211.2
Div 11	SAC	2101	DM	Tunnel	Helm Tunnel [273 Miles 25 Chains]	91.9	91.9	-53.4	-97.8	-146.0	-276.6
Div 11	SAC	2101	DM	Arched Overbridge	Intick [Bridge No.182]	Clear	Clear	60.6	-12.6	-119.0	-226.1
Div 11	SAC	2101	DM	Arched Overbridge	Lamberts [Bridge No.82]	Clear	Clear	25.9	-50.8	-172.1	-268.6
Div 11	SAC	2101	DM	Tunnel	Lazonby Tunnel [292 Miles 25 Chains]	Clear	Clear	69.6	37.9	9.6	-127.9
Div 11	SAC	2101	DM	Arched Overbridge	Little Ing [Bridge No.149]	Clear	Clear	58.2	-17.5	-138.4	-234.6
Div 11	SAC	2101	DM	Arched Overbridge	Metcalves [Bridge No.106]	Clear	Clear	31.8	-42.6	-159.5	-256.8
Div 11	SAC	2101	DM	Arched Overbridge	Metcalves [Bridge No.108]	Clear	Clear	80.9	7.9	-101.9	-206.8
Div 11	SAC	2101	DM	Arched Overbridge	Mickleton [Bridge No.281]	Clear	Clear	Clear	46.0	-50.4	-163.5
Div 11	SAC	2101	DM	Arched Overbridge	Mickleton [Bridge No.282]	Clear	Clear	-15.4	-91.8	-203.1	-308.5
Div 11	SAC	2101	DM	Arched Overbridge	Milburn Road [Bridge No.262]	Clear	Clear	67.7	-13.1	-140.2	-236.3
Div 11	SAC	2101	DM	Tunnel	Moorcock Tunnel [257 Miles 39 Chains]	83.0	83.0	-52.4	-102.5	-151.5	-279.5
Div 11	SAC	2101	DM	Arched Overbridge	Nelsons [Bridge No.291]	Clear	Clear	30.2	-40.8	-158.8	-259.6
Div 11	SAC	2101	DM	Tunnel	Risehill Tunnel [254 Miles 11 Chains]	Clear	Clear	37.6	-4.0	-39.0	-173.0
Div 11	SAC	2101	DM	Arched Overbridge	Sampsons Chambers [Bridge No.313]	Clear	Clear	64.0	-5.3	-132.4	-228.8
Div 11	SAC	2101	DM	Arched Overbridge	Scoby Shields [Bridge No.349]	Clear	Clear	Clear	92.7	-34.7	-131.9

Route	ELR	Line	Line	Structure Sub Type	Structure Name	W6A	W7	W8	W9	W10	W12
Div 11	SAC	2101	DM	Tunnel	Shotlock Hill [258 Miles 38 Chains]	Clear	Clear	Clear	90.5	52.5	-83.7
Div 11	SAC	2101	DM	Arched Overbridge	Skew B6412 [Bridge No.280]	Clear	Clear	66.0	-15.7	-169.6	-264.9
Div 11	SAC	2101	DM	Arched Overbridge	Stain Gills [Bridge No.278]	Clear	Clear	66.6	-9.4	-112.3	-221.2
Div 11	SAC	2101	DM	Arched Overbridge	Swallow Pot Lane [Bridge No.175]	Clear	Clear	35.3	-8.1	-179.6	
Div 11	SAC	2101	DM	Arched Overbridge	Swine Hill [Bridge No.356]	Clear	Clear	73.7	-0.5	-124.3	-218.1
Div 11	SAC	2101	DM	Arched Overbridge	Sycamore [Bridge No.153]	Clear	Clear	63.6	-16.6	-129.1	-226.4
Div 11	SAC	2101	DM	Arched Overbridge	Thornbarrow [Bridge No.257]	Clear	Clear	39.9	-87.1	-183.5	
Div 11	SAC	2101	DM	Arched Overbridge	Throstle Hall [Bridge No.300]	Clear	Clear	63.6	-12.8	-103.0	-224.4
Div 11	SAC	2101	DM	Arched Overbridge	Tofts [Bridge No.251]	Clear	Clear	12.5	-62.4	-170.1	-269.6
Div 11	SAC	2101	DM	Arched Overbridge	Waitby School Road [Bridge No.188]	Clear	Clear	26.9	-53.1	-185.2	-278.7
Div 11	SAC	2101	DM	Arched Overbridge	Wallace Field [Bridge No328]	Clear	Clear	17.8	-59.4	-182.4	-279.2
Div 11	SAC	2101	DM	Tunnel	Wastebank Tunnel [285 Miles 47 Chains]	Clear	Clear	Clear	87.6	-54.1	
Div 11	SAC	2101	DM	Arched Overbridge	Wedber Lane [Bridge No.233]	Clear	Clear	Clear	67.4	-29.8	
Div 11	SAC	2101	DM	Arched Overbridge	Wetherall Shields [Bridge No.344]	Clear	Clear	4.0	-72.3	-194.1	-291.4
Div 11	SAC	2101	DM	Arched Overbridge	Willans [Bridge No.104]	Clear	Clear	Clear	40.7	-76.0	-172.4
Div 11	SAC	2101	DM	Arched Overbridge	Willies [Bridge No.310]	Clear	Clear	46.1	-35.5	-126.6	-239.7
Div 11	SAC	2101	DM	Arched Overbridge	Windy Hill [Bridge No.244]	Clear	Clear	Clear	28.5	-87.6	-186.0
Div 11	SKW1	1100	UM	Arched Overbridge	Back Lane [Bridge No. 41]	Clear	Clear	Clear	38.2	-106.5	-197.5
Div 11	SKW1	1100	UM	Arched Overbridge	Brigholmes Lane [Bridge No. 44]	Clear	Clear	Clear	84.3	-64.0	-155.2
Div 11	SKW1	1100	UM	Arched Overbridge	Dinsdale [Bridge No. 45]	Clear	Clear	Clear	92.7	-49.3	-145.1
Div 11	SKW1	1100	UM	Awnning	Hellifield Station [Up Platform]	Clear	Clear	Clear	Clear	-16.2	-100.3
Div 11	SKW1	1100	UM	Arched Overbridge	Hospital Bridge [Bridge No. 38]	Clear	Clear	Clear	29.2	-86.1	-186.6
Div 11	SKW1	1100	UM	Arched Overbridge	Mill Lane [Bridge No. 40]	Clear	Clear	Clear	Clear	78.8	-15.0
Div 11	SKW1	1100	UM	Arched Overbridge	Stalile Cross [Bridge No. 37]	Clear	Clear	Clear	26.9	-112.7	-208.7
Div 11	SKW1	1100	UM	Arched Overbridge	Wildmans [Bridge No. 42]	Clear	Clear	Clear	92.1	-49.5	-144.9
Div 11	SKW1	2100	DM	Arched Overbridge	Back Lane [Bridge No. 41]	Clear	Clear	Clear	Clear	15.6	-80.3
Div 11	SKW1	2100	DM	Arched Overbridge	Brigholmes Lane [Bridge No. 44]	Clear	Clear	Clear	Clear	-22.5	-116.8
Div 11	SKW1	2100	DM	Arched Overbridge	Dinsdale [Bridge No. 45]	Clear	Clear	Clear	80.0	-61.9	-155.1
Div 11	SKW1	2100	DM	Awnning	Hellifield Station [Down Platform]	Clear	Clear	Clear	92.3	-16.5	-112.9
Div 11	SKW1	2100	DM	Arched Overbridge	Hospital Bridge [Bridge No. 38]	Clear	Clear	Clear	98.2	-35.9	-131.1
Div 11	SKW1	2100	DM	Arched Overbridge	Mill Lane [Bridge No. 40]	Clear	Clear	Clear	Clear	63.4	-30.2
Div 11	SKW1	2100	DM	Arched Overbridge	Stalile Cross [Bridge No. 37]	Clear	Clear	Clear	37.0	-94.3	-190.5
Div 11	SKW1	2100	DM	Arched Overbridge	Wildmans [Bridge No. 42]	Clear	Clear	Clear	Clear	13.7	-79.5

Appendix D

Complete Tables of Maximum Container Heights by Route and ISO Container Type for each Substandard Structure

Appendix D is available as a separate Excel file, from the RSSB website.