

FORT WILLIAM OPPORTUNITIES AROUND RAIL



FORT WILLIAM OPPORTUNITIES AROUND RAIL

FORT WILLIAM OPPORTUNITIES AROUND RAIL

IDENTIFICATION TABLE

Client/Project owner	HITRANS
Project	Fort William Opportunities Around Rail
Study	Fort William Opportunities Around Rail
Type of document	Report
Date	27/07/2021
File name	Fort William Opportunities Around Rail v3.docx
Reference number	110430
Number of pages	53

APPROVAL

Version	Name		Position	Date	Modifications
1	Author	Olivia Hockney	Principal Consultant	21/04/2021	
	Checked by	James Jackson	Associate Director	23/06/2021	
	Approved by	James Jackson	Associate Director	25/06/2021	
2	Author	Olivia Hockney	Principal Consultant	27/07/2021	
	Checked by	James Jackson	Associate Director	27/07/2021	
	Approved by	James Jackson	Associate Director	27/07/2021	

Front Cover: Class 156 at Lochy Bridge Source: Wikipedia Commons

TABLE OF CONTENTS

1.	EXECUTIVE SUMMARY	6
2.	INTRODUCTION	7
3.	CURRENT SERVICE	8
3.2	EXISTING SERVICE SUMMARY	9
3.3	SERVICE OBJECTIVES	9
4.	TIMETABLING CONSTRAINTS	12
4.2	INFRASTRUCTURE / OPERATIONAL	12
4.3	ROLLING STOCK AVAILABILITY	13
4.4	TRAIN CREW	13
4.5	TIMETABLE PLANNING RULES	13
5.	TIMETABLING OPPORTUNITIES	15
5.2	NEW STATIONS	15
5.3	SCHOOL TIMES	16
5.4	FERRIES	16
5.5	WINTER	17
6.	TIMETABLE OPTIONS	18
6.1	INTRODUCTION	18
6.2	OPTION 1: RANNOCH & BRIDGE OF ORCHY	19
6.3	OPTION 2: RANNOCH + GLENFINNAN	22
6.4	OPTION 3: GLENFINNAN & RANNOCH	25
6.5	OPTION 4: GLENFINNAN + MALLAIG	28
6.6	OPTION 5: USE OF SPARE UNIT	31
6.7	OPTIONS 6A & 6B: WINTER	34
7.	OPTIONS ASSESSMENT	39
7.1	INTRODUCTION	39
7.2	ASSUMPTIONS	39
7.3	PROVISION OF SCHOOL SERVICE	40
7.4	ENHANCED LOCAL PROVISION	41
7.5	ADDITIONAL FERRY CONNECTIONS	42

7.6	OPERATING COSTS	42
APPENDIX A – TIMETABLE GRAPHS		44

LIST OF FIGURES

Figure 1.	Current services operating to / from Fort William	11
Figure 2.	Passing points	12
Figure 3.	Location of new stations	15
Figure 4.	Current services operating to / from Fort William	45
Figure 5.	Option 1 Timetable Graph	46
Figure 6.	Option 2 Timetable Graph	47
Figure 7.	Option 3 Timetable Graph	48
Figure 8.	Option 4 Timetable Graph	49
Figure 9.	Option 5 Timetable Graph	50
Figure 10.	Option 6a Timetable Graph	51
Figure 11.	Option 6b Timetable Graph	52

LIST OF TABLES

Table 1.	Cal Mac Mallaig – Armadale (Summer timetable Easter - October)	16
Table 2.	Cal Mac Mallaig – Armadale (Winter timetable October - Easter)	16
Table 3.	Cal Mac Mallaig – Lochboisdale Summer Timetable	17
Table 4.	Cal Mac Mallaig – Lochboisdale Winter Timetable	17
Table 5.	Cal Mac Small Isles Ferry	17
Table 6.	Option 1 additional services	19
Table 7.	Option 1 Timetable (northbound)	20
Table 8.	Option 1 Timetable (southbound)	21
Table 9.	Option 2 additional services	22
Table 10.	Option 2 Timetable (northbound)	23
Table 11.	Option 2 Timetable (southbound)	24
Table 12.	Option 3 additional services	25
Table 13.	Option 3 Timetable (northbound)	26
Table 14.	Option 3 Timetable (southbound)	27
Table 15.	Option 4 additional services	28
Table 16.	Option 4 Timetable (northbound)	29
Table 17.	Option 4 Timetable (southbound)	30
Table 18.	Option 5 additional services (spare unit workings coloured grey)	31
Table 19.	Option 5 Timetable (northbound)	32
Table 20.	Option 5 Timetable (southbound)	33
Table 21.	Option 6a additional services	34
Table 22.	Option 6b additional services	34
Table 23.	Option 6a Timetable (northbound)	35
Table 24.	Option 6a Timetable (southbound)	36
Table 25.	Option 6b Timetable (northbound)	37
Table 26.	Option 6b Timetable (southbound)	38
Table 28.	Summary of school services	41
Table 29.	Additional return trips per day to / from Fort William	42
Table 30.	Additional operating costs	43

1. EXECUTIVE SUMMARY

- 1.1.1 This report has proposed 7 options for new local services to / from Fort William. These options have explored different ways of providing enhanced local connectivity either towards Mallaig or towards Rannoch. Each of the options have also incorporated new stations at Carrs Corner and Torlundy Ben Nevis into both the existing ScotRail service and proposed services.
- 1.1.2 SYSTRA has constructed these timetables to have a minimal impact on the operation of existing services and has ensured that existing paths to / from Glasgow are retained for ScotRail services, that the Sleeper and the Royal Scotsman services are unaffected and that only the dwell times of the Jacobite are affected. The freight services have been impacted the most as it is required that the Alcan – North Blyth morning freight service is moved in order to provide a school service to both Banavie and Carrs Corner.
- 1.1.3 One of the aims of providing an enhanced local service was to provide connectivity to Lochaber High School. The timetabling work has shown that whilst it is possible to provide a good service to / from Carrs Corner all week, providing a service to / from Banavie is more difficult (particularly on a Friday afternoon when school closes at 13:15). Options 1, 3 and 5 have been shown to provide the most comprehensive connectivity of the options.
- 1.1.4 Another aim was to provide enhanced ferry connectivity. Again, this has proven difficult considering the heavy usage of the route between Fort William and Mallaig including the relatively slow Jacobite steam service. All of the summer options provide connectivity with the last ferry arrival of the day at 19:55. Only Option 4 provides connectivity on top of this and links with the arrival of the Armadale ferry at 12:53 and the departure of the Armadale ferry at 13:30.
- 1.1.5 The best approach may be to operate Option 3 in summer, providing school services, an additional service to Glenfinnan and two services Rannoch, helping open up a sustainable tourism market towards Rannoch Moor. In Winter Option 6A or 6B could be operated providing an alternative out of season tourism service towards Mallaig.
- 1.1.6 To develop these proposals, further engagement with ScotRail is required, in addition there is a need to explore both the engineering feasibility of Carrs Corner and Torlundy Ben Nevis stations and the likely value for money case of these stations..

2. INTRODUCTION

- 2.1.1 Fort William is one of the largest towns in the Highlands, acting both as a major centre of tourism and as a regional centre for education and local economic activities. The town suffers from congestion issues especially during the summer tourist season.
- 2.1.2 To help promote sustainable tourism, reduce congestion issues, and improve access to education, SYSTRA has been commissioned by HITRANS to assess the feasibility of operating additional rail services in the Fort William area including serving two proposed stations at Torlundy Ben Nevis and Carrs Corner between Fort William and Spean Bridge stations.
- 2.1.3 A number of service options have been considered with the aim of overlaying additional local services running to Tulloch, Rannoch, Glenfinnan and Mallaig onto the existing timetable. In all cases the options have been developed to ensure that a school service can be provided between Tulloch and Fort William providing access to Lochaber High School. Options have been developed to provide summer and winter timetables, with the summer timetables providing new tourism and leisure service towards Rannoch, whilst in the winter service operate between Fort William and Mallaig, occupying line capacity which is used by the Jacobite steam service in summer.
- 2.1.4 Within the remainder of this report we set out details of the approach we have taken to developing options and constraints and imitations imposed by the existing infrastructure and assessment of the options developed.

3. CURRENT SERVICE

- 3.1.1 Whilst the absolute number of trains operating in the Fort William area is not high the West Highland Line does have a diverse mixture of passenger, freight and tourism trains operating over an infrastructure that has limited capacity and all of which have different characteristics in term so stopping patterns and average speeds. Currently the following passenger and freight services operates in the area.

ScotRail

- 3.1.2 ScotRail is the main passenger operator on the West Highland Line providing a service on weekdays of three trains per day in each direction between Glasgow Queen Street and Mallaig, supplemented by one train in each direction between Fort William and Mallaig.
- 3.1.3 The service is designed for long distance trips between the West Highlands and Central Belt rather than local movements within the Fort William area, and with a limited service frequency there are inevitably long gaps between trains.
- 3.1.4 Service on the route are operated by two or four car Class 156 units, with increased levels of four car operation in summer. Services are coupled to Glasgow – Oban services as far as Crianlarich, which whilst operationally efficient, presents a limitation on the retiming of services as any alternations Glasgow – Fort William/Mallaig services will also impact on the timing of services on the busier Crianlarich – Oban route.
- 3.1.5 In 2021 ScotRail introduced single car Class 153 units to work in combination with Class 156 units. These units have been converted to provide cycle accommodation and operate under the Highland Explorer brand. Currently the units have only been introduced on Glasgow – Oban services, but they will be introduced to Fort William and Mallaig services from 2022. Whilst these units will address issues with cycling and luggage accommodation on the route they may impact on passenger capacity and the availability of trains that have time spare at Fort William in the summer timetable and which are utilised in one of the timetable options discussed below.
- 3.1.6 ScotRail has two train crew bases in the area at Fort William and Mallaig. Currently one train stables at each location overnight. Drivers and conductors at both depots operate services between Crianlarich and Mallaig. Both depots have a similar workload and each depot has four pairs of drivers and guards based at them.

Caledonian Sleeper

- 3.1.7 Caledonian Sleeper operate the overnight Sleeper service from Fort William to London Euston via Edinburgh. The evening service to London departs Fort William at 19:50 whilst the service from London arrives in Fort William at 09:57. No substantial retiming of this service is possible as the train is one of three portion of the Highlander Sleeper service that are combined at Edinburgh, and thus any alterations to the service may create problem with the operation of the combined train.
- 3.1.8 During the day the Sleeper train stables in the station area at Fort William through after it has been cleaned it is moved the station sidings rather than occupying a platform. The train

returns to the station at around 18:00 to allow passenger to board the train well in advance of departure.

West Coast Railways

- 3.1.9 West Coast Railways are an Open Access operator who operate the Jacobite steam service between Fort William and Mallaig. A service of two trains per day in each direction is provided for much of the operating season between Easter and the end of October.
- 3.1.10 The two services absorb much of the daytime capacity on the Fort William – Mallaig line and is restricted to 45mph operation making it much slower than ScotRail services on the route. The need for the locomotive to run round its train, particularly at Mallaig also absorbs capacity due to the limitations of the current signalling system.

Freight Traffic

- 3.1.11 Freight traffic on the West Highland Line has fluctuated in recent years. Currently the most regular flow is the North Blyth – Fort William Alcan trains. This service operates on alternate days. On Mondays, Wednesday and Fridays the service departs from Fort William at around 08:30 and returns on Tuesdays and Thursday at around 20:45 or 21:45 on a Saturday.
- 3.1.12 There may be some scope for amending the timing of this service in the Fort William area to provide paths for passenger services.
- 3.1.13 Currently the only other freight service is a path that exists for timber traffic running overnight between Rannoch and Fort William.

Royal Scotsman:

- 3.1.14 The Royal Scotsman luxury charter train arrives from Edinburgh into Spean Bridge at 20:53 Fridays Only in summer, and stables overnight. It has been assumed that the timings for this service cannot be altered as part of this timetabling exercise.

3.2 Existing Service Summary

- 3.2.1 Figure 1 on the following page provides a summary of the services that operate throughout the day during the summer. The graph shows that only the ScotRail service provides reliable local journeys all year round (with the ‘Jacobite’ steam train operating in summer only). However, even this ScotRail service is relatively limited, with services timed to provide long distance services to the central belt. Inevitably with such a small number of trains, demand for short distance flows in the Fort William area is not well served.
- 3.2.2 This study therefore explores ways to address the shortcomings of the local service by providing an improved service bounded by Glenfinnan and Tulloch.

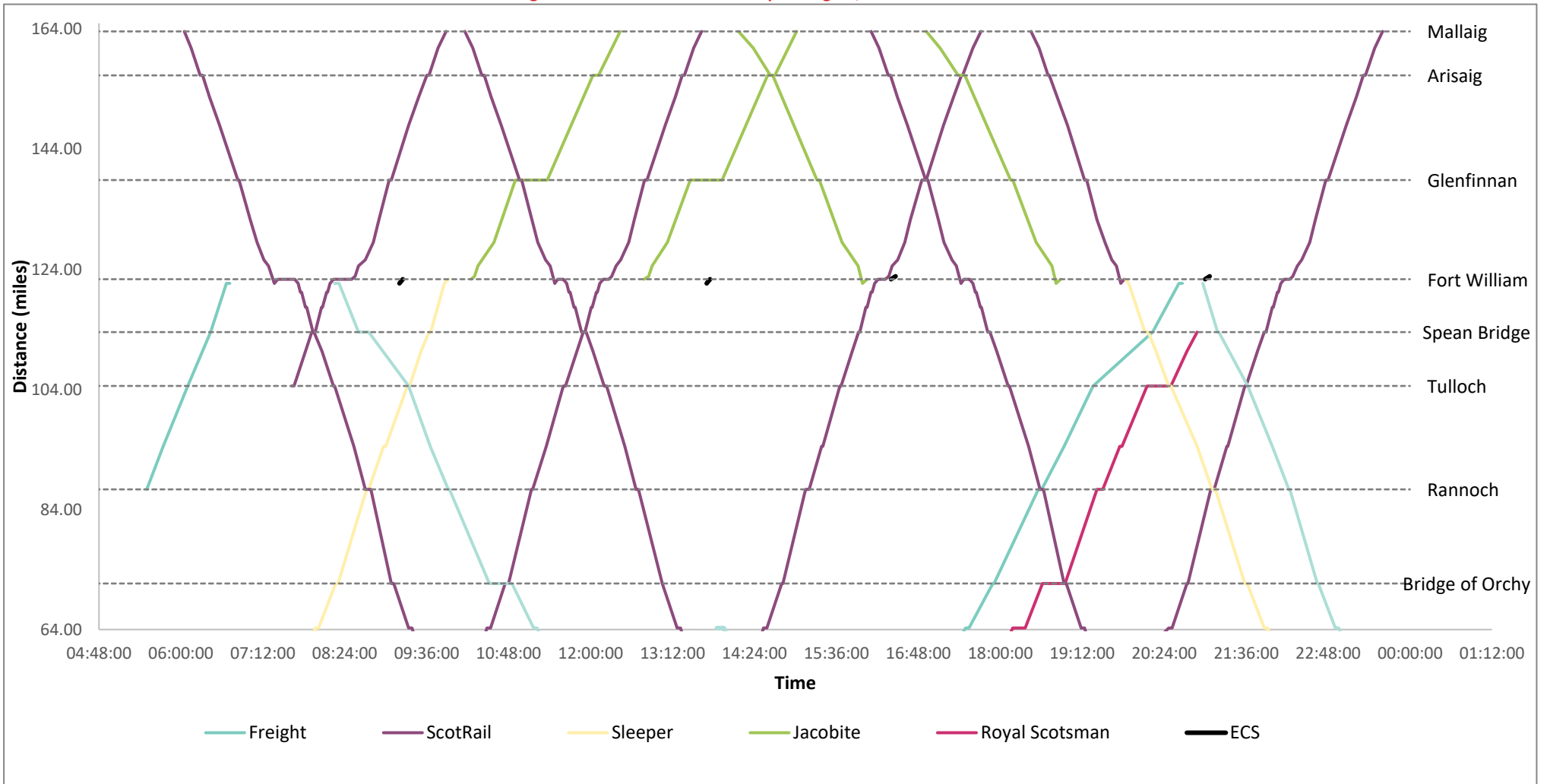
3.3 Service objectives

- 3.3.1 The main aim of this study is to provide a more attractive local service around Fort William. To maximise this opportunity, a number of objectives have been set within this aim:
 - Provide links to Lochaber High School
 - Include provision for two new stations:

- Carrs Corner
- Torlundy Ben Nevis
- Provides additional daytime services bounded by Mallaig and Rannoch
- Promotes sustainable tourism access to Ben Nevis
- Retains and improves connections to ferry departures / arrivals at Mallaig
- Fort William Park & Ride at Carrs Corner providing congestion relief

3.3.2 The remainder of this note sets out the timetabling constraints, timetabling considerations and provides an overview of the service options which have been developed.

Figure 1. Current services operating to / from Fort William



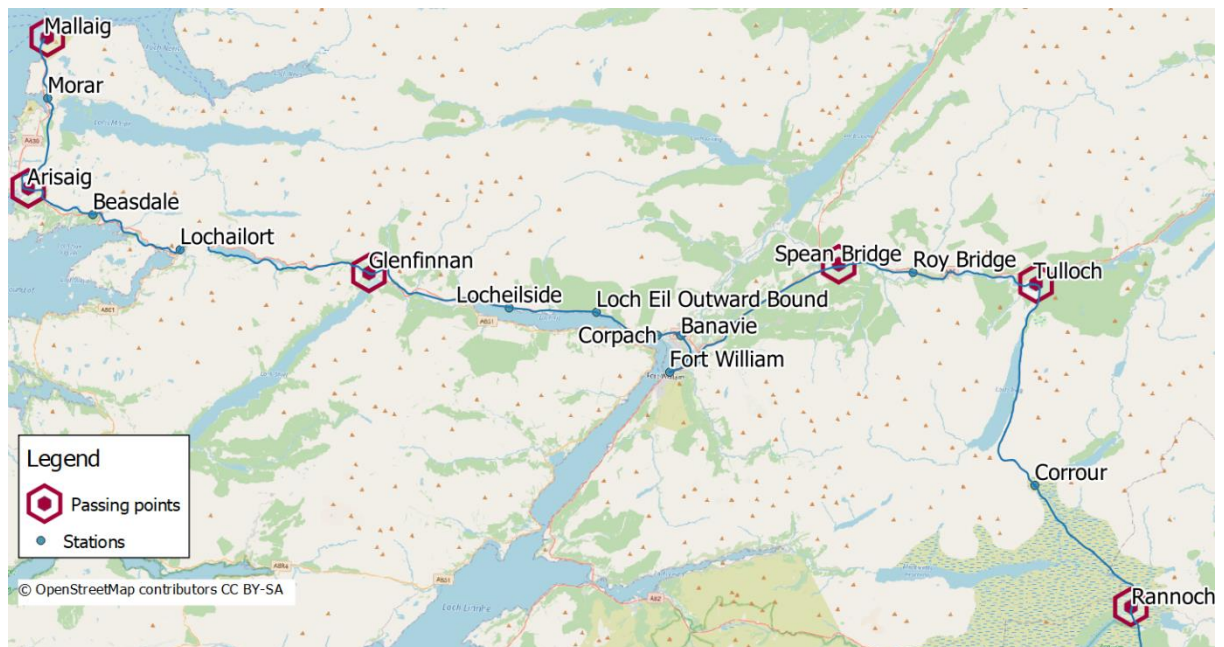
4. TIMETABLING CONSTRAINTS

- 4.1.1 This section details the constraints that have guided the development of the timetable including the availability of additional units, the paths occupied by existing services, infrastructure constraints and the timetable planning rules.

4.2 Infrastructure / operational

- 4.2.1 One of the major constraints to operating additional services in the Fort William area (bounded by Mallaig and Rannoch) is the rail infrastructure. The line is single track with a limited number of passing loops. The location of these passing loops is shown in the figure below.

Figure 2. Passing points



- 4.2.2 There are 2 passing loops between Mallaig and Fort William, and three between Fort William and Rannoch. Additionally services can pass during reversals in Fort William station. This, in combination with comparatively slow running freight and steam services in both directions, imposes considerable constraints on the operation of additional services. The Fort William – Mallaig route in particular is severely limited by the lacking of passing loops between Fort William and Glenfinnan. This is especially limiting when the Jacobite steam service is operating as this is timed with a maximum speed of 45mph increasing its line occupancy relative to ScotRail services which travel at a higher speed.
- 4.2.3 A limit amount of relief to these capacity issues is provided by Token Exchange Points at Loch Eil Outward Bound on the Mallaig extension and Roy Bridge on the Crianlarich route. At these locations passing loops are not provided but they do allow services to follow each other in the same direction providing additional capacity.

4.3 Rolling Stock Availability

- 4.3.1 The proposed additional services will be provided by an additional two-car Class 156 train. This is consistent with other services on the route and would allow the train to be incorporated into wider rolling stock workings for the West Highland Line, which would provide a mechanism for the train to be returned to Glasgow for fuelling and maintenance. It is anticipated that electrification of the Barrhead and East Kilbride lines will release provide spare units based at Glasgow Corkerhill depot to resource the service.
- 4.3.2 Basing the new timetable around the use of a single unit, in combination with the service needing to deliver objectives including serving school markets constrains the regularity of the service which could be offered.
- 4.3.3 In summer this issue could be partially overcome as the service which arrives into Fort William at 16:09 from Glasgow (1Y23 12:23 Glasgow Queen St - Mallaig) divides at Fort William and is spare until the following day. Therefore, this unit could be used to operate additional services. SYSTRA has modelled one timetable in which this additional unit is utilised. It should be noted that this additional unit would not be available during the winter timetable. There may also be issues around the provision of train crew for a seasonal additional service. The availability of this unit may also change from 2022 when Class 153 units converted to provide cycling accommodation are introduced to the route and may replace this unit.

4.4 Train Crew

- 4.4.1 As described above ScotRail have train crew depots at Fort William and Mallaig. Both of these depots are small with five pairs of drivers and conductors based at each. Weekday services only require two crew diagrams from each depot. The operation of additional services would require two more crew diagrams each day. In developing timetable options we have assumed that these additional crew would be based at Fort William as recruitment in this location is likely to be easier, and in most options this allows the optimal use to be made of both crew and rolling stock resources. The small number of crew working from the depots means that care has to be taken to develop services that deploy crew efficiently maximising the utilisation of any additional staff and avoiding short inefficient shifts. This can require compromise in the planning of commercially attractive services.
- 4.4.2 In all options developed we have required no more than two additional pairs of train crew every day.
- 4.4.3 One of the trade-offs in developing efficient train crew workings is the need in some service options for new locations for Physical Needs Breaks (PNBs) to be taken, which would require investment in facilities.

4.5 Timetable Planning Rules

- 4.5.1 The final set of constraints to timetabling a new service in this area are the restrictions imposed by the Network Rail Timetable Planning Rules (TPR). These are summarised below:
 - Dwell Time: the rules specify a minimum dwell time of 30 seconds for Class 156 or 1 minute at Token Exchange Points

- Token Exchange Points: at several locations along the route a token exchange must be carried out in order for the train to pass through to the next section of route. This has been accounted for in the timetabling exercise.
- Turnaround: the rules specify a minimum turnaround time of 5 minutes
- Junction margins: where relevant, junction margins have been accounted for as per the timetable planning rules.

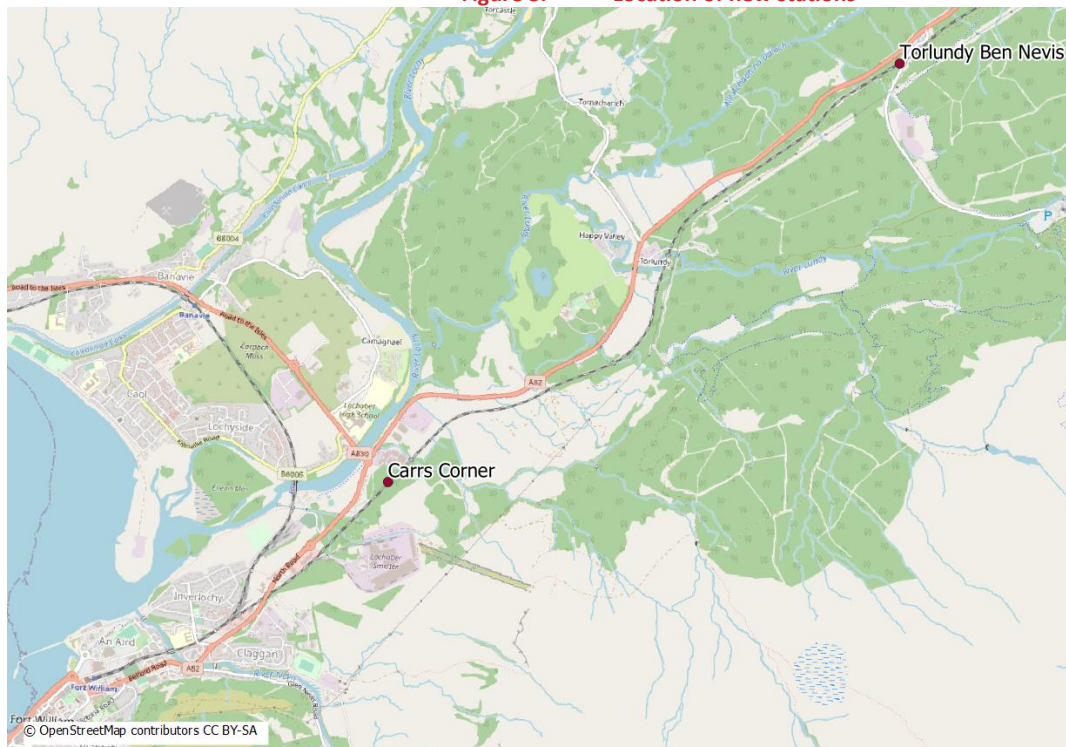
5. TIMETABLING OPPORTUNITIES

- 5.1.1 This section outlines other considerations which have been accounted for as part of timetable development which have been incorporated to make the best use of the additional unit. This includes provision for new stations, aligning the service with school times, making use of units which would otherwise be underutilised and providing connections to ferry services at Mallaig.

5.2 New stations

- 5.2.1 SYSTRA was asked to incorporate two new stations into the timetable: Torlundy BenNevis and Carrs Corner. The locations of these stations are shown in the figure below.

Figure 3. Location of new stations



- 5.2.2 The Carrs Corner site will provide a good link to Lochaber High School which is located approximately 400m west of the station site. The Torlundy Ben Nevis site will provide links to the Nevis Range Mountain Resort tourist destination.
- 5.2.3 Sectional Running Times which incorporate these new stations were calculated based on the non-stop journey time of a Class 156 between Spean Bridge and Fort William. An extra minute was added between each station to account for acceleration and deceleration. A one minute dwell time was assumed for each of the new stations, thus a total allowance of two minutes per station was provided.
- 5.2.4 SYSTRA incorporated these revised timings into the timings for the existing ScotRail services and additional proposed services.

5.3 School times

5.3.1 HITRANS requested that SYSTRA examine options for using the extra Class 156 unit to provide a school service for Lochaber High School. SYSTRA used the following assumptions when considering potential school services:

- Monday – Thursday school hours: 08:45 – 15:30
- Friday school hours: 08:45 – 13:15
- Banavie and Carrs Corner would be the stations used to serve the school in each direction
- The potential rail catchment for the school is bounded by Glenfinnan and Tulloch stations. It is understood that a larger proportion of the school's catchment lies between Fort William and Tulloch than between Fort William and Glenfinnan, meaning that the flow to and from Tulloch has been prioritised in planning the service.

5.3.2 SYSTRA initially attempted to serve the school market in both directions using a timetable that would work for both the Monday – Thursday school timings as well as the Friday timings. However, given the heavy usage of the single line section between Fort William and Mallaig, particularly in the afternoons due to the Jacobite, it has not been possible to provide a Banavie to Glenfinnan school service in all options.

5.4 Ferries

5.4.1 Another opportunity to encourage rail patronage and make efficient use of the rail network around the Fort William area is to optimise Mallaig arrivals / departures to align with ferry timings.

Mallaig - Armadale

5.4.2 The most regularly operated service is the Mallaig – Armadale ferry, the timetable of which are shown in the table below.

Table 1. Cal Mac Mallaig – Armadale (Summer timetable Easter - October)

MALLAIG – ARMADALE (SUMMER TIMETABLE)							
Mallaig departure	07:40	09:40	11:00	12:00	13:30	14:10	18:10
Mallaig arrival	09:25	11:25	12:40	13:55	15:10	17:55	19:55

Table 2. Cal Mac Mallaig – Armadale (Winter timetable October - Easter)

MALLAIG – ARMADALE (WINTER TIMETABLE)			
Mallaig departure	08:40	16:00	17:30
Mallaig arrival	09:55	17:15	18:45

Other Ferry Services

- 5.4.3 In addition to the above, a ferry between Mallaig and Lochboisdale runs once per day in each direction during the summer and runs on Wednesday, Saturday and Sunday for some but not all of the winter timetable period from October to Easter.

Table 3. Cal Mac Mallaig – Lochboisdale Summer Timetable

	MONDAY- THURSDAY	FRIDAY - SATURDAY	SUNDAY
Mallaig departure	16:00	16:00	15:10
Mallaig arrival	10:20	09:50	09:50

Table 4. Cal Mac Mallaig – Lochboisdale Winter Timetable

	WEDNESDAY	SATURDAY	SUNDAY
Mallaig departure	14:00	14:00	13:30
Mallaig arrival	10:45	10:45	10:45

- 5.4.4 The Small Isles ferry operates between Mallaig – Eigg – Muck – Rum and Canna. The service does not operate a set pattern for all days of the week and is summarised in the table below.

Table 5. Cal Mac Small Isles Ferry

	MON	TUES	WED	THUR	FRI	SAT	SUN
Mallaig departure	10:10	10:10	10:10	10:10	08:15 & 12:35	07:30 & 14:35	09:10 & 14:20
Mallaig arrival	18:00	15:25	18:00	14:40	12:15 & 18:00	14:15 & 21:05	14:00 & 18:25

- 5.4.5 Where possible, SYSTRA has considered the timings of these ferry services and has tried to time train services to allow interchange between modes. We have also ensured that existing connections into ferry services are maintained, particularly connections into 10:10 Mondays – Thursday Small Isles Ferry.

5.5 Winter

- 5.5.1 The Jacobite steam train service does not operate between the end of October and April. This means that more paths between Mallaig and Fort William are available during the winter months. As a result, SYSTRA has produced an additional timetable option which considers the services that could be operated in the absence of the Jacobite steam service.
- 5.5.2 This would allow a summer service to operate that served school traffic and exploited untapped tourism potential towards Rannoch and in winter provided a school service and provided a substitute to the Jacobite service towards Glenfinnan and Mallaig.

6. TIMETABLE OPTIONS

6.1 Introduction

6.1.1 This section outlines seven timetable options which SYSTRA has developed for the operation of an additional service in the Fort William area. These options are briefly summarised below:

- Option 1 (all year): School services and additional leisure service to Rannoch
- Option 2 (all year): School service and additional leisure services to Rannoch and Glenfinnan
- Option 3 (all year): School service and additional leisure services to Rannoch and Glenfinnan (variation of option 2)
- Option 4 (all year): School services and additional leisure services to Glenfinnan and Mallaig
- Option 5 (all year): Variation of option 3 with the use of an additional unit which arrives from Glasgow at 16:09
- Option 6a (winter only): Consideration of the additional services that can be provided when the Jacobite is not operating
- Option 6b (winter only): Variation of option 6a with additional services to Mallaig

6.1.2 Each of the above is described in more detail in the following sections including specific considerations / assumptions which have been made to enable the operation of the service.

6.2 Option 1: Rannoch & Bridge of Orchy

- 6.2.1 This option focuses on providing additional services to Rannoch, primarily to serve the tourism market as well as providing school services. The additional services proposed in this timetable are summarised in the table below:

Table 6. Option 1 additional services

ORIGIN		DESTINATION		PURPOSE / EXPLANATION
STATION	TIME	STATION	TIME	
Fort William	06:50	Tulloch	07:23	Extra working to resource 07:37 from Tulloch
Fort William	08:35	Spean Bridge	08:48	Additional local service
Tulloch	07:37	Fort William	08:14	08:08 arrival at Carrs Corner for school
Spean Bridge	08:53	Fort William	09:09	Additional local service
Fort William	09:21	Bridge of Orchy	10:44	Tourism service
Bridge of Orchy	11:23	Fort William	12:46	Tourism service
Fort William	13:23	Rannoch	14:25	Tourism service + Friday school service (Carrs Corner)
Rannoch	14:30	Fort William	15:32	Tourism service
Fort William	15:40	Tulloch	16:13	15:46 departure from Carrs Corner (school)
Tulloch	16:50	Mallaig	18:58	Enhanced local service
Mallaig	20:10	Fort William	21:31	Last Armadale – Mallaig ferry arrives 19:55

- 6.2.2 The detailed full timetable are given in the following pages. In combination with existing services seven trains would be provided in each directions at the proposed new stations.

Table 7. Option 1 Timetable (northbound)

KEY			6Y02	1Y53	New	1Y11	2Y61	1Y21	New	2Y68	New	1Y23	5Y63	New	1H85	6S45	5Y70	1Y47
Scotrail	Bridge of Orchy	dep				08:18:00		10:48:00	11:23:00			14:49:00			18:57:00	17:54:30		20:45:00
New	Rannoch	arr				08:43:00		11:08:00	11:43:00			15:09:00			19:25:00	18:33:30		21:05:00
Freight	Rannoch	dep	05:30:00			08:45:00		11:09:00	11:44:00		14:30:00	15:12:00			19:30:00	18:36:30		21:08:00
ECS	Corrour	arr	05:44:30			08:58:00		11:21:00	11:56:00		14:42:00	15:23:00			19:45:00	18:56:00		21:19:00
Jacobite	Corrour	dep	05:44:30			09:00:00		11:21:00	11:56:00		14:42:00	15:24:00			19:47:00	18:56:00		21:20:00
Sleeper	Tulloch	arr	06:06:00	07:37:30		09:19:00		11:36:00	12:11:00		14:57:00	15:39:00			20:09:00	19:21:30		21:35:00
Royal Scotsman	Tulloch	dep	06:06:00	07:39:30		09:21:00		11:38:00	12:13:00		14:59:00	15:40:00	16:50:00		20:30:00	19:21:30		21:36:00
	Roy Bridge	dep		07:49:30		09:31:00		11:48:00	12:23:00		15:09:00	15:50:00	17:00:00		20:44:00			21:46:00
	Spean Bridge	arr	06:26:00	07:55:00		09:38:00		11:53:30	12:28:30		15:14:30	15:55:30	17:05:30		20:53:00	20:14:00		21:52:00
	Spean Bridge	dep	06:26:00	07:58:00	08:53:30	09:39:30		11:55:00	12:30:00		15:16:00	15:56:30	17:07:00			20:14:00		21:53:30
	Torlundy Ben Nevis	arr		08:03:30	08:59:00			12:00:30	12:35:30		15:21:30	16:02:00	17:12:30					21:59:00
	Torlundy Ben Nevis	dep		08:04:30	09:00:00			12:01:30	12:36:30		15:22:30	16:03:00	17:13:30					22:00:00
	Carrs Corner	arr		08:08:00	09:03:30			12:05:00	12:40:00		15:26:00	16:06:30	17:17:00					22:03:30
	Carrs Corner	dep		08:09:00	09:04:30			12:06:00	12:41:00		15:27:00	16:07:30	17:18:00					22:04:30
	Fort William Jn	arr	06:40:00	08:11:00	09:06:30	09:51:30		12:08:00	12:43:00		15:29:00	16:09:30	17:20:00			20:37:00		22:06:30
	Fort William Jn	dep	06:43:00	08:11:00	09:06:30	09:51:30		12:08:00	12:43:00		15:29:00	16:09:30	17:20:00			20:40:00		22:06:30
	Fort William	arr		08:14:00	09:09:30	09:55:00		12:11:00	12:46:00		15:32:00	16:12:30	17:23:00					22:09:30
	Fort William	dep		08:30:00			10:15:00	12:16:00		12:47:00		16:19:00	16:24:00	17:29:00			21:00:00	22:14:30
	Fort William Jn	dep		08:33:00			10:18:00	12:18:30		12:51:00		16:22:00	16:28:00	17:31:30			21:04:00	22:17:00
	Banavie	dep		08:36:00			10:21:00	12:22:30		12:54:00		16:25:00		17:35:30				22:21:00
	Corpach	dep		08:42:00				12:26:30				16:30:00		17:39:30				22:25:00
	Loch Eil Outward Bound	dep		08:49:00			10:35:00	12:33:30		13:07:30		16:36:00		17:46:30				22:32:00
	Locheilside	dep		08:54:00				12:38:30				16:41:00		17:51:30				22:37:00
	Glenfinnan	arr		09:03:00			10:54:00	12:47:30		13:27:30		16:51:00		18:00:30				22:46:00
	Glenfinnan	dep		09:05:00			11:22:00	12:49:30		13:55:30		16:55:00		18:10:00				22:48:00
	Lochailort	dep		09:20:00				13:05:30				17:10:00		18:26:00				23:04:00
	Beasdale	dep		09:29:00				13:14:30				17:19:00		18:35:00				23:13:00
	Arisaig	arr		09:36:00			12:02:00	13:20:30		14:35:30		17:26:00		18:41:00				23:19:00
	Arisaig	dep		09:38:00			12:07:00	13:22:30		14:42:00		17:27:00		18:43:00				23:21:00
	Morar	dep		09:46:00				13:30:30				17:36:00		18:51:00				23:29:00
	Mallaig	arr		09:53:00			12:26:00	13:37:30		15:01:00		17:43:00		18:58:00				23:36:00

Table 8. Option 1 Timetable (southbound)

			New	1Y42	6E45	New	5Y61	New	1Y44	3S96	New	5Y68	New	2Y62	1Y48	2Y69	1Y58	1B01	New	3Q34
KEY																				
Scotrail	Mallaig	dep		06:03:00					10:09:30					14:10:00	16:06:30	16:55:00	18:27:00		20:10:00	
	Morar	dep		06:09:00					10:16:30					14:23:00	16:13:30	17:07:00	18:34:00		20:17:00	
New	Arisaig	arr		06:17:00					10:24:30					14:38:00	16:21:30	17:23:00	18:42:00		20:25:00	
Freight	Arisaig	dep		06:19:00					10:26:30					14:40:00	16:23:30	17:29:00	18:43:00		20:27:00	
ECS	Beasdale	dep		06:25:00					10:32:30						16:29:30		18:50:00		20:33:00	
Jacobite	Lochailort	dep		06:34:00					10:41:30						16:38:30		18:59:00		20:42:00	
Sleeper	Glenfinnan	arr		06:50:00					10:57:30					15:19:00	16:54:30	18:09:00	19:14:00		20:58:00	
Royal Scotsman	Glenfinnan	dep		06:51:00					10:59:30					15:21:00	16:56:30	18:11:00	19:16:00		21:00:00	
	Locheilside	dep		07:01:00					11:08:30						17:05:30		19:25:00		21:09:00	
	Loch Eil Outward Bound	dep		07:07:00					11:13:30					15:41:00	17:10:30	18:31:30	19:32:00		21:14:00	
	Corpach	dep		07:13:00					11:20:30						17:17:30		19:38:00		21:21:00	
	Banavie	dep		07:17:00					11:24:30					15:55:00	17:21:30	18:45:30	19:42:00		21:25:00	
	Fort William Jn	dep		07:22:00			09:12:00		11:28:30			13:42:00		15:59:00	17:25:30	18:49:00	19:46:00		21:29:00	
	Fort William	arr		07:25:00			09:15:00		11:31:00			13:45:00		16:03:00	17:28:00	18:53:00	19:49:00		21:31:30	
	Fort William	dep	06:50:00	07:40:00		08:35:30		09:21:00	11:36:00		13:23:00		15:40:00		17:33:00			19:50:00		
	Fort William Jn	arr	06:53:00		08:15:00	08:38:00		09:24:00			13:26:00		15:43:00							
	Fort William Jn	dep	06:53:00	07:43:00	08:19:00	08:38:00		09:24:00	11:39:00		13:26:00		15:43:00		17:36:00			19:53:00		20:58:00
	Carrs Corner	arr	06:55:00	07:45:00		08:40:00		09:26:00	11:41:00		13:28:00		15:45:00		17:38:00					
	Carrs Corner	dep	06:56:00	07:46:00		08:41:00		09:27:00	11:42:00		13:29:00		15:46:00		17:39:00					
	Torlundy Ben Nevis	arr	06:59:30	07:49:30		08:42:00		09:30:30	11:45:30		13:32:30		15:49:30		17:42:30					
	Torlundy Ben Nevis	dep	07:00:30	07:50:30		08:43:00		09:31:30	11:46:30		13:33:30		15:50:30		17:43:30					
	Spean Bridge	arr	07:06:00	07:56:00	08:36:00	08:48:30		09:37:00	11:52:00		13:39:00		15:56:00		17:49:00			20:07:00		21:11:00
	Spean Bridge	dep	07:08:00	07:57:00	08:45:00			09:39:00	11:56:00		13:40:30		15:57:30		17:51:00			20:10:00		21:12:00
	Roy Bridge	dep	07:13:30	08:04:00				09:44:30	12:02:00		13:46:00		16:03:00		17:57:00			20:17:00		
	Tulloch	arr	07:23:30	08:14:00				09:54:30	12:12:00		13:56:00		16:13:00		18:07:00			20:28:00		
	Tulloch	dep		08:15:00	09:20:00			09:56:30	12:14:00		13:58:00				18:08:00			20:30:00		21:37:30
	Corrour	dep		08:32:00	09:39:00			10:11:30	12:30:00		14:13:00				18:25:00			20:53:00		21:59:00
	Rannoch	arr		08:42:00	09:55:00			10:23:30	12:40:00		14:25:00				18:35:00			21:06:00		22:13:30
	Rannoch	dep		08:47:00	09:56:00			10:24:30	12:42:00						18:38:00			21:09:00		22:14:30
	Bridge of Orchy	arr		09:05:00	10:31:00			10:44:30	13:03:00						18:56:00			21:35:00		22:38:30

6.3 Option 2: Rannoch + Glenfinnan

- 6.3.1 This option focuses on providing an additional service to Rannoch, primarily to serve the tourism market, as well as providing enhanced local services to Glenfinnan and Tulloch. The additional services proposed in this timetable are summarised in the table below:

Table 9. Option 2 additional services

ORIGIN		DESTINATION		PURPOSE / EXPLANATION
STATION	TIME	STATION	TIME	
Fort William	06:50	Tulloch	07:23	Extra working to resource 07:37 from Tulloch
Fort William	08:35	Spean Bridge	08:48	Additional local service
Tulloch	07:37	Fort William	08:14	08:08 arrival at Carrs Corner for school
Spean Bridge	08:53	Fort William	09:09	Additional local service
Fort William	09:21	Rannoch	10:24	Tourism service to Rannoch
Rannoch	10:29	Glenfinnan	12:08	Tourism service + enhanced Glenfinnan
Glenfinnan	13:26	Tulloch	14:36	Tourism service + Friday school service (Carrs Corner)
Tulloch	14:41	Fort William	15:14	Enhanced local service
Fort William	15:40	Tulloch	16:13	15:46 departure from Carrs Corner (school)
Tulloch	16:50	Mallaig	18:58	Enhanced local service
Mallaig	20:10	Fort William	21:31	Last Armadale – Mallaig ferry arrives 19:55

- 6.3.2 The detailed full timetable are given in the following pages. In combination with existing services eight trains would be provided in each directions at the proposed new stations.

Table 10. Option 2 Timetable (northbound)

KEY			6Y02	1Y53	New	1Y11	2Y61	1Y21	New	2Y68	New	1Y23	5Y63	New	1H85	6S45	5Y70	1Y47
	Bridge of Orchy	dep				08:18:00		10:48:00				14:49:00			18:57:00	17:54:30		20:45:00
Scotrail	Rannoch	arr				08:43:00		11:08:00				15:09:00			19:25:00	18:33:30		21:05:00
New	Rannoch	dep	05:30:00			08:45:00		11:09:00	10:29:30			15:12:00			19:30:00	18:36:30		21:08:00
Freight	Corrour	arr	05:44:30			08:58:00		11:21:00	10:41:30			15:23:00			19:45:00	18:56:00		21:19:00
ECS	Corrour	dep	05:44:30			09:00:00		11:21:00	10:41:30			15:24:00			19:47:00	18:56:00		21:20:00
Jacobite	Tulloch	arr	06:06:00	07:37:30		09:19:00		11:36:00	10:56:30			15:39:00			20:09:00	19:21:30		21:35:00
Sleeper	Tulloch	dep	06:06:00	07:39:30		09:21:00		11:38:00	10:58:30		14:41:00	15:40:00		16:50:00	20:30:00	19:21:30		21:36:00
Royal Scotsman	Roy Bridge	dep		07:49:30		09:31:00		11:48:00	11:08:30		14:51:00	15:50:00		17:00:00	20:44:00			21:46:00
	Spean Bridge	arr	06:26:00	07:55:00		09:38:00		11:53:30	11:14:00		14:56:30	15:55:30		17:05:30	20:53:00	20:14:00		21:52:00
	Spean Bridge	dep	06:26:00	07:58:00	08:53:30	09:39:30		11:55:00	11:15:30		14:58:00	15:56:30		17:07:00		20:14:00		21:53:30
	Torlundy Ben Nevis	arr		08:03:30	08:59:00			12:00:30	11:21:00		15:03:30	16:02:00		17:12:30				21:59:00
	Torlundy Ben Nevis	dep		08:04:30	09:00:00			12:01:30	11:22:00		15:04:30	16:03:00		17:13:30				22:00:00
	Carrs Corner	arr		08:08:00	09:03:30			12:05:00	11:25:30		15:08:00	16:06:30		17:17:00				22:03:30
	Carrs Corner	dep		08:09:00	09:04:30			12:06:00	11:26:30		15:09:00	16:07:30		17:18:00				22:04:30
	Fort William Jn	arr	06:40:00	08:11:00	09:06:30	09:51:30		12:08:00	11:28:30		15:11:00	16:09:30		17:20:00		20:37:00		22:06:30
	Fort William Jn	dep	06:43:00	08:11:00	09:06:30	09:51:30		12:08:00	11:28:30		15:11:00	16:09:30		17:20:00		20:40:00		22:06:30
	Fort William	arr		08:14:00	09:09:30	09:55:00		12:11:00	11:31:30		15:14:00	16:12:30		17:23:00				22:09:30
	Fort William	dep		08:30:00			10:15:00	12:16:00	11:36:30	12:45:00		16:19:00	16:24:00	17:29:00			21:00:00	22:14:30
	Fort William Jn	dep		08:33:00			10:18:00	12:18:30	11:39:00	12:49:00		16:22:00	16:28:00	17:31:30			21:04:00	22:17:00
	Banavie	dep		08:36:00			10:21:00	12:22:30	11:43:00	12:52:00		16:25:00		17:35:30				22:21:00
	Corpach	dep		08:42:00				12:26:30	11:47:00			16:30:00		17:39:30				22:25:00
	Loch Eil Outward Bound	dep		08:49:00			10:35:00	12:33:30	11:54:00	13:05:30		16:36:00		17:46:30				22:32:00
	Locheilside	dep		08:54:00				12:38:30	11:59:00			16:41:00		17:51:30				22:37:00
	Glenfinnan	arr		09:03:00			10:54:00	12:47:30	12:08:00	13:25:30		16:51:00		18:00:30				22:46:00
	Glenfinnan	dep		09:05:00			11:22:00	12:49:30		13:55:30		16:55:00		18:10:00				22:48:00
	Lochailort	dep		09:20:00				13:05:30				17:10:00		18:26:00				23:04:00
	Beasdale	dep		09:29:00				13:14:30				17:19:00		18:35:00				23:13:00
	Arisaig	arr		09:36:00			12:02:00	13:20:30		14:35:30		17:26:00		18:41:00				23:19:00
	Arisaig	dep		09:38:00			12:07:00	13:22:30		14:42:00		17:27:00		18:43:00				23:21:00
	Morar	dep		09:46:00				13:30:30				17:36:00		18:51:00				23:29:00
	Mallaig	arr		09:53:00			12:26:00	13:37:30		15:01:00		17:43:00		18:58:00				23:36:00

Table 11. Option 2 Timetable (southbound)

			New	1Y42	6E45	New	5Y61	New	1Y44	3S96	5Y68	New	New	2Y62	1Y48	2Y69	1Y58	1B01	New	3Q34
KEY																				
Scotrail	Mallaig	dep		06:03:00					10:09:30					14:10:00	16:06:30	16:55:00	18:27:00		20:10:00	
	Morar	dep		06:09:00					10:16:30					14:23:00	16:13:30	17:07:00	18:34:00		20:17:00	
New	Arisaig	arr		06:17:00					10:24:30					14:38:00	16:21:30	17:23:00	18:42:00		20:25:00	
Freight	Arisaig	dep		06:19:00					10:26:30					14:40:00	16:23:30	17:29:00	18:43:00		20:27:00	
ECS	Beasdale	dep		06:25:00					10:32:30						16:29:30		18:50:00		20:33:00	
Jacobite	Lochailort	dep		06:34:00					10:41:30						16:38:30		18:59:00		20:42:00	
Sleeper	Glenfinnan	arr		06:50:00					10:57:30					15:19:00	16:54:30	18:09:00	19:14:00		20:58:00	
Royal Scotsman	Glenfinnan	dep		06:51:00					10:59:30			13:26:30		15:21:00	16:56:30	18:11:00	19:16:00		21:00:00	
	Locheilside	dep		07:01:00					11:08:30			13:35:30			17:05:30		19:25:00		21:09:00	
	Loch Eil Outward Bound	dep		07:07:00					11:13:30			13:40:30		15:41:00	17:10:30	18:31:30	19:32:00		21:14:00	
	Corpach	dep		07:13:00					11:20:30			13:47:30			17:17:30		19:38:00		21:21:00	
	Banavie	dep		07:17:00					11:24:30			13:51:30		15:55:00	17:21:30	18:45:30	19:42:00		21:25:00	
	Fort William Jn	dep		07:22:00			09:12:00		11:28:30		13:42:00	13:55:30		15:59:00	17:25:30	18:49:00	19:46:00		21:29:00	
	Fort William	arr		07:25:00			09:15:00		11:31:00		13:45:00	13:58:00		16:03:00	17:28:00	18:53:00	19:49:00		21:31:30	
	Fort William	dep	06:50:00	07:40:00		08:35:30		09:21:00	11:36:00			14:03:00	15:40:00		17:33:00			19:50:00		
	Fort William Jn	arr	06:53:00		08:15:00	08:38:00		09:24:00				14:06:00	15:43:00							
	Fort William Jn	dep	06:53:00	07:43:00	08:19:00	08:38:00		09:24:00	11:39:00			14:06:00	15:43:00		17:36:00			19:53:00		20:58:00
	Carrs Corner	arr	06:55:00	07:45:00		08:40:00		09:26:00	11:41:00			14:08:00	15:45:00		17:38:00					
	Carrs Corner	dep	06:56:00	07:46:00		08:41:00		09:27:00	11:42:00			14:09:00	15:46:00		17:39:00					
	Torlundy Ben Nevis	arr	06:59:30	07:49:30		08:42:00		09:30:30	11:45:30			14:12:30	15:49:30		17:42:30					
	Torlundy Ben Nevis	dep	07:00:30	07:50:30		08:43:00		09:31:30	11:46:30			14:13:30	15:50:30		17:43:30					
	Spean Bridge	arr	07:06:00	07:56:00	08:36:00	08:48:30		09:37:00	11:52:00			14:19:00	15:56:00		17:49:00			20:07:00		21:11:00
	Spean Bridge	dep	07:08:00	07:57:00	08:45:00			09:39:00	11:56:00			14:20:30	15:57:30		17:51:00			20:10:00		21:12:00
	Roy Bridge	dep	07:13:30	08:04:00				09:44:30	12:02:00			14:26:00	16:03:00		17:57:00			20:17:00		
	Tulloch	arr	07:23:30	08:14:00				09:54:30	12:12:00			14:36:00	16:13:00		18:07:00			20:28:00		
	Tulloch	dep		08:15:00	09:20:00			09:56:30	12:14:00						18:08:00			20:30:00		21:37:30
	Corrour	dep		08:32:00	09:39:00			10:11:30	12:30:00						18:25:00			20:53:00		21:59:00
	Rannoch	arr		08:42:00	09:55:00			10:23:30	12:40:00						18:35:00			21:06:00		22:13:30
	Rannoch	dep		08:47:00	09:56:00			10:24:30	12:42:00						18:38:00			21:09:00		22:14:30
	Bridge of Orchy	arr		09:05:00	10:31:00				13:03:00						18:56:00			21:35:00		22:38:30

6.4 Option 3: Glenfinnan & Rannoch

- 6.4.1 This option provides an alternative to option 2 and provides an additional tourism service to Rannoch plus enhanced services to Glenfinnan. The additional services proposed in this timetable are summarised in the table below:

Table 12. Option 3 additional services

ORIGIN		DESTINATION		PURPOSE / EXPLANATION
STATION	TIME	STATION	TIME	
Fort William	06:50	Tulloch	07:23	Extra working to resource 07:37 from Tulloch
Tulloch	07:37	Fort William	08:14	08:08 arrival at Carrs Corner for school
Spean Bridge	08:53	Glenfinnan	09:24	Enhanced local service
Glenfinnan	09:29	Rannoch	11:07	Tourism service
Rannoch	11:44	Fort William	12:47	Tourism service
Fort William	13:23	Rannoch	14:25	Tourism service + Friday school service
Rannoch	14:30	Fort William	15:32	Tourism service
Fort William	15:40	Tulloch	16:13	15:46 departure from Carrs Corner (school)
Tulloch	16:50	Mallaig	18:58	Enhanced local service
Mallaig	20:10	Fort William	21:31	Last Armadale – Mallaig ferry arrives 19:55

- 6.4.2 The detailed full timetable are given in the following pages. In combination with existing services seven trains would be provided in each directions at the proposed new stations.

Table 13. Option 3 Timetable (northbound)

KEY			6Y02	1Y53	New	1Y11	2Y61	1Y21	New	2Y68	New	1Y23	5Y63	New	1H85	6S45	5Y70	1Y47
Scotrail	Bridge of Orchy	dep				08:18:00		10:48:00				14:49:00			18:57:00	17:54:30		20:45:00
New	Rannoch	arr				08:43:00		11:08:00				15:09:00			19:25:00	18:33:30		21:05:00
Freight	Rannoch	dep	05:30:00			08:45:00		11:09:00	11:44:00		14:30:00	15:12:00			19:30:00	18:36:30		21:08:00
ECS	Corrour	arr	05:44:30			08:58:00		11:21:00	11:56:00		14:42:00	15:23:00			19:45:00	18:56:00		21:19:00
Jacobite	Corrour	dep	05:44:30			09:00:00		11:21:00	11:56:00		14:42:00	15:24:00			19:47:00	18:56:00		21:20:00
Sleeper	Tulloch	arr	06:06:00	07:37:30		09:19:00		11:36:00	12:11:00		14:57:00	15:39:00			20:09:00	19:21:30		21:35:00
Royal Scotsman	Tulloch	dep	06:06:00	07:39:30		09:21:00		11:38:00	12:14:00		14:59:00	15:40:00		16:50:00	20:30:00	19:21:30		21:36:00
	Roy Bridge	dep		07:49:30		09:31:00		11:48:00	12:24:00		15:09:00	15:50:00		17:00:00	20:44:00			21:46:00
	Spean Bridge	arr	06:26:00	07:55:00		09:38:00		11:53:30	12:29:30		15:14:30	15:55:30		17:05:30	20:53:00	20:14:00		21:52:00
	Spean Bridge	dep	06:26:00	07:58:00		09:39:30		11:55:00	12:31:00		15:16:00	15:56:30		17:07:00		20:14:00		21:53:30
	Torlundy Ben Nevis	arr		08:03:30				12:00:30	12:36:30		15:21:30	16:02:00		17:12:30				21:59:00
	Torlundy Ben Nevis	dep		08:04:30				12:01:30	12:37:30		15:22:30	16:03:00		17:13:30				22:00:00
	Carrs Corner	arr		08:08:00				12:05:00	12:41:00		15:26:00	16:06:30		17:17:00				22:03:30
	Carrs Corner	dep		08:09:00				12:06:00	12:42:00		15:27:00	16:07:30		17:18:00				22:04:30
	Fort William Jn	arr	06:40:00	08:11:00		09:51:30		12:08:00	12:44:00		15:29:00	16:09:30		17:20:00		20:37:00		22:06:30
	Fort William Jn	dep	06:43:00	08:11:00		09:51:30		12:08:00	12:44:00		15:29:00	16:09:30		17:20:00		20:40:00		22:06:30
	Fort William	arr		08:14:00		09:55:00		12:11:00	12:47:00		15:32:00	16:12:30		17:23:00				22:09:30
	Fort William	dep		08:30:00	08:53:00		10:15:00	12:16:00		12:45:00		16:19:00	16:24:00	17:29:00			21:00:00	22:14:30
	Fort William Jn	dep		08:33:00	08:55:30		10:18:00	12:18:30		12:49:00		16:22:00	16:28:00	17:31:30			21:04:00	22:17:00
	Banavie	dep		08:36:00	08:59:30		10:21:00	12:22:30		12:52:00		16:25:00		17:35:30				22:21:00
	Corpach	dep		08:42:00	09:03:30			12:26:30				16:30:00		17:39:30				22:25:00
	Loch Eil Outward Bound	dep		08:49:00	09:10:30		10:35:00	12:33:30		13:05:30		16:36:00		17:46:30				22:32:00
	Locheilside	dep		08:54:00	09:15:30			12:38:30				16:41:00		17:51:30				22:37:00
	Glenfinnan	arr		09:03:00	09:24:30		10:54:00	12:47:30		13:25:30		16:51:00		18:00:30				22:46:00
	Glenfinnan	dep		09:05:00			11:22:00	12:49:30		13:55:30		16:55:00		18:10:00				22:48:00
	Lochailort	dep		09:20:00				13:05:30				17:10:00		18:26:00				23:04:00
	Beasdale	dep		09:29:00				13:14:30				17:19:00		18:35:00				23:13:00
	Arisaig	arr		09:36:00			12:02:00	13:20:30		14:35:30		17:26:00		18:41:00				23:19:00
	Arisaig	dep		09:38:00			12:07:00	13:22:30		14:42:00		17:27:00		18:43:00				23:21:00
	Morar	dep		09:46:00				13:30:30				17:36:00		18:51:00				23:29:00
	Mallaig	arr		09:53:00			12:26:00	13:37:30		15:01:00		17:43:00		18:58:00				23:36:00

Table 14. Option 3 Timetable (southbound)

KEY			New	1Y42	6E45	5Y61	New	1Y44	3S96	New	5Y68	New	2Y62	1Y48	2Y69	1Y58	1801	New	3Q34
Scotrail	Mallaig	dep		06:03:00				10:09:30					14:10:00	16:06:30	16:55:00	18:27:00		20:10:00	
New	Morar	dep		06:09:00				10:16:30					14:23:00	16:13:30	17:07:00	18:34:00		20:17:00	
Freight	Arisaig	arr		06:17:00				10:24:30					14:38:00	16:21:30	17:23:00	18:42:00		20:25:00	
ECS	Arisaig	dep		06:19:00				10:26:30					14:40:00	16:23:30	17:29:00	18:43:00		20:27:00	
Jacobite	Beasdale	dep		06:25:00				10:32:30						16:29:30		18:50:00		20:33:00	
Sleeper	Lochailort	dep		06:34:00				10:41:30						16:38:30		18:59:00		20:42:00	
Royal Scotsman	Glenfinnan	arr		06:50:00				10:57:30					15:19:00	16:54:30	18:09:00	19:14:00		20:58:00	
	Glenfinnan	dep		06:51:00			09:29:30	10:59:30					15:21:00	16:56:30	18:11:00	19:16:00		21:00:00	
	Locheilside	dep		07:01:00			09:38:30	11:08:30						17:05:30		19:25:00		21:09:00	
	Loch Eil Outward Bound	dep		07:07:00			09:43:30	11:13:30					15:41:00	17:10:30	18:31:30	19:32:00		21:14:00	
	Corpach	dep		07:13:00			09:50:30	11:20:30						17:17:30		19:38:00		21:21:00	
	Banavie	dep		07:17:00			09:54:30	11:24:30					15:55:00	17:21:30	18:45:30	19:42:00		21:25:00	
	Fort William Jn	dep		07:22:00		09:12:00	09:58:30	11:28:30		13:42:00			15:59:00	17:25:30	18:49:00	19:46:00		21:29:00	
	Fort William	arr		07:25:00		09:15:00	10:01:00	11:31:00		13:45:00			16:03:00	17:28:00	18:53:00	19:49:00		21:31:30	
	Fort William	dep	06:50:00	07:40:00			10:06:00	11:36:00	13:23:00		15:40:00			17:33:00			19:50:00		
	Fort William Jn	arr	06:53:00		08:15:00		10:08:30		13:26:00		15:43:00								
	Fort William Jn	dep	06:53:00	07:43:00	08:19:00		10:08:30	11:39:00	13:26:00		15:43:00			17:36:00			19:53:00		20:58:00
	Carrs Corner	arr	06:55:00	07:45:00			10:10:30	11:41:00	13:28:00		15:45:00			17:38:00					
	Carrs Corner	dep	06:56:00	07:46:00			10:11:30	11:42:00	13:29:00		15:46:00			17:39:00					
	Torlundy Ben Nevis	arr	06:59:30	07:49:30			10:15:00	11:45:30	13:32:30		15:49:30			17:42:30					
	Torlundy Ben Nevis	dep	07:00:30	07:50:30			10:16:00	11:46:30	13:33:30		15:50:30			17:43:30					
	Spean Bridge	arr	07:06:00	07:56:00	08:36:00		10:21:30	11:52:00	13:39:00		15:56:00			17:49:00			20:07:00		21:11:00
	Spean Bridge	dep	07:08:00	07:57:00	08:45:00		10:23:00	11:56:00	13:40:30		15:57:30			17:51:00			20:10:00		21:12:00
	Roy Bridge	dep	07:13:30	08:04:00			10:28:30	12:02:00	13:46:00		16:03:00			17:57:00			20:17:00		
	Tulloch	arr	07:23:30	08:14:00			10:38:30	12:12:00	13:56:00		16:13:00			18:07:00			20:28:00		
	Tulloch	dep		08:15:00	09:20:00		10:40:30	12:14:00	13:58:00					18:08:00			20:30:00		21:37:30
	Corrour	dep		08:32:00	09:39:00		10:55:30	12:30:00	14:13:00					18:25:00			20:53:00		21:59:00
	Rannoch	arr		08:42:00	09:55:00		11:07:30	12:40:00	14:25:00					18:35:00			21:06:00		22:13:30
	Rannoch	dep		08:47:00	09:56:00			12:42:00						18:38:00			21:09:00		22:14:30
	Bridge of Orchy	arr		09:05:00	10:31:00			13:03:00						18:56:00			21:35:00		22:38:30

6.5 Option 4: Glenfinnan + Mallaig

- 6.5.1 This option focuses on providing additional services to Glenfinnan and Mallaig, giving an enhanced local service. The additional services proposed in this timetable are summarised in the table below:

Table 15. Option 4 additional services

ORIGIN		DESTINATION		PURPOSE / EXPLANATION
STATION	TIME	STATION	TIME	
Fort William	06:50	Tulloch	07:23	Extra working to resource 07:37 from Tulloch
Tulloch	07:37	Fort William	08:14	08:08 arrival at Carrs Corner for school
Fort William	08:53	Glenfinnan	09:24	Enhanced local service
Glenfinnan	09:29	Tulloch	10:38	Enhanced local service
Tulloch	10:43	Mallaig	12:53	Aligns with Armadale departure at 13:30
Mallaig	13:06	Spean Bridge	14:50	Aligns with arrival from Armadale at 12:40
Spean Bridge	15:14	Fort William	15:32	Enhanced local service
Fort William	15:40	Tulloch	16:13	15:46 departure from Carrs Corner (school)
Tulloch	16:49	Mallaig	18:58	Enhanced local service
Mallaig	20:10	Fort William	21:31	Last Armadale – Mallaig ferry arrives 19:55

- 6.5.2 The detailed full timetable are given in the following pages. In combination with existing services seven trains would be provided in each directions at the proposed new stations.

Table 16. Option 4 Timetable (northbound)

			6Y02	1Y53	New	1Y11	2Y61	New	1Y21	2Y68	New	1Y23	5Y63	New	1H85	6S45	5Y70	1Y47
KEY Scotrail New Freight ECS Jacobite Sleeper Royal Scotsman	Bridge of Orchy	dep				08:18:00			10:48:00			14:49:00			18:57:00	17:54:30		20:45:00
	Rannoch	arr				08:43:00			11:08:00			15:09:00			19:25:00	18:33:30		21:05:00
	Rannoch	dep	05:30:00			08:45:00			11:09:00			15:12:00			19:30:00	18:36:30		21:08:00
	Corrour	arr	05:44:30			08:58:00			11:21:00			15:23:00			19:45:00	18:56:00		21:19:00
	Corrour	dep	05:44:30			09:00:00			11:21:00			15:24:00			19:47:00	18:56:00		21:20:00
	Tulloch	arr	06:06:00	07:37:30		09:19:00			11:36:00			15:39:00			20:09:00	19:21:30		21:35:00
	Tulloch	dep	06:06:00	07:39:30		09:21:00		10:43:30	11:38:00			15:40:00		16:49:30	20:30:00	19:21:30		21:36:00
	Roy Bridge	dep		07:49:30		09:31:00		10:53:30	11:48:00			15:50:00		16:59:30	20:44:00			21:46:00
	Spean Bridge	arr	06:26:00	07:55:00		09:38:00		10:59:00	11:53:30		15:14:30	15:55:30		17:05:00	20:53:00	20:14:00		21:52:00
	Spean Bridge	dep	06:26:00	07:58:00		09:39:30		11:00:30	11:55:00		15:16:00	15:56:30		17:06:30		20:14:00		21:53:30
	Torlundy Ben Nevis	arr		08:03:30				11:06:00	12:00:30		15:21:30	16:02:00		17:12:00				21:59:00
	Torlundy Ben Nevis	dep		08:04:30				11:07:00	12:01:30		15:22:30	16:03:00		17:13:00				22:00:00
	Carrs Corner	arr		08:08:00				11:10:30	12:05:00		15:26:00	16:06:30		17:16:30				22:03:30
	Carrs Corner	dep		08:09:00				11:11:30	12:06:00		15:27:00	16:07:30		17:17:30				22:04:30
	Fort William Jn	arr	06:40:00	08:11:00		09:51:30		11:13:30	12:08:00		15:29:00	16:09:30		17:19:30		20:37:00		22:06:30
	Fort William Jn	dep	06:43:00	08:11:00		09:51:30		11:13:30	12:08:00		15:29:00	16:09:30		17:19:30		20:40:00		22:06:30
	Fort William	arr		08:14:00		09:55:00		11:16:30	12:11:00		15:32:00	16:12:30		17:22:30				22:09:30
	Fort William	dep		08:30:00	08:53:00		10:15:00	11:32:00	12:16:00	12:45:00		16:19:00	16:24:00	17:29:00			21:00:00	22:14:30
	Fort William Jn	dep		08:33:00	08:55:30		10:18:00	11:34:30	12:18:30	12:49:00		16:22:00	16:28:00	17:31:30			21:04:00	22:17:00
	Banavie	dep		08:36:00	08:59:30		10:21:00	11:38:30	12:22:30	12:52:00		16:25:00		17:35:30				22:21:00
	Corpach	dep		08:42:00	09:03:30			11:42:30	12:26:30			16:30:00		17:39:30				22:25:00
	Loch Eil Outward Bound	dep		08:49:00	09:10:30		10:35:00	11:49:30	12:33:30	13:05:30		16:36:00		17:46:30				22:32:00
	Locheilside	dep		08:54:00	09:15:30			11:54:30	12:38:30			16:41:00		17:51:30				22:37:00
	Glenfinnan	arr		09:03:00	09:24:30		10:54:00	12:03:30	12:47:30	13:25:30		16:51:00		18:00:30				22:46:00
	Glenfinnan	dep		09:05:00			11:22:00	12:05:30	12:49:30	13:55:30		16:55:00		18:10:00				22:48:00
	Lochailort	dep		09:20:00				12:21:30	13:05:30			17:10:00		18:26:00				23:04:00
	Beasdale	dep		09:29:00				12:30:30	13:14:30			17:19:00		18:35:00				23:13:00
	Arisaig	arr		09:36:00			12:02:00	12:36:30	13:20:30	14:35:30		17:26:00		18:41:00				23:19:00
	Arisaig	dep		09:38:00			12:07:00	12:38:30	13:22:30	14:42:00		17:27:00		18:43:00				23:21:00
	Morar	dep		09:46:00				12:46:30	13:30:30			17:36:00		18:51:00				23:29:00
	Mallaig	arr		09:53:00			12:26:00	12:53:30	13:37:30	15:01:00		17:43:00		18:58:00				23:36:00

Table 17. Option 4 Timetable (southbound)

			New	1Y42	6E45	5Y61	New	1Y44	3S96	5Y68	New	New	2Y62	1Y48	2Y69	1Y58	1B01	New	3Q34
KEY																			
Scotrail																			
New																			
Freight																			
ECS																			
Jacobite																			
Sleeper																			
Royal Scotsman																			
Mallaig	dep			06:03:00				10:09:30			13:06:30		14:10:00	16:06:30	16:55:00	18:27:00		20:10:00	
Morar	dep			06:09:00				10:16:30			13:13:30		14:23:00	16:13:30	17:07:00	18:34:00		20:17:00	
Arisaig	arr			06:17:00				10:24:30			13:21:30		14:38:00	16:21:30	17:23:00	18:42:00		20:25:00	
Arisaig	dep			06:19:00				10:26:30			13:23:30		14:40:00	16:23:30	17:29:00	18:43:00		20:27:00	
Beasdale	dep			06:25:00				10:32:30			13:29:30			16:29:30		18:50:00		20:33:00	
Lochailort	dep			06:34:00				10:41:30			13:38:30			16:38:30		18:59:00		20:42:00	
Glenfinnan	arr			06:50:00				10:57:30			13:54:30		15:19:00	16:54:30	18:09:00	19:14:00		20:58:00	
Glenfinnan	dep			06:51:00			09:29:30	10:59:30			13:56:30		15:21:00	16:56:30	18:11:00	19:16:00		21:00:00	
Locheilside	dep			07:01:00			09:38:30	11:08:30			14:05:30			17:05:30		19:25:00		21:09:00	
Loch Eil Outward Bound	dep			07:07:00			09:43:30	11:13:30			14:10:30		15:41:00	17:10:30	18:31:30	19:32:00		21:14:00	
Corpach	dep			07:13:00			09:50:30	11:20:30			14:17:30			17:17:30		19:38:00		21:21:00	
Banavie	dep			07:17:00			09:54:30	11:24:30			14:21:30		15:55:00	17:21:30	18:45:30	19:42:00		21:25:00	
Fort William Jn	dep			07:22:00		09:12:00	09:58:30	11:28:30		13:42:00	14:25:30		15:59:00	17:25:30	18:49:00	19:46:00		21:29:00	
Fort William	arr			07:25:00		09:15:00	10:01:00	11:31:00		13:45:00	14:28:00		16:03:00	17:28:00	18:53:00	19:49:00		21:31:30	
Fort William	dep	06:50:00		07:40:00			10:06:00	11:36:00			14:33:00	15:40:00		17:33:00			19:50:00		
Fort William Jn	arr	06:53:00			08:15:00		10:08:30				14:35:30	15:43:00							
Fort William Jn	dep	06:53:00		07:43:00	08:19:00		10:08:30	11:39:00			14:35:30	15:43:00		17:36:00			19:53:00		20:58:00
Carrs Corner	arr	06:55:00		07:45:00			10:10:30	11:41:00			14:37:30	15:45:00		17:38:00					
Carrs Corner	dep	06:56:00		07:46:00			10:11:30	11:42:00			14:38:30	15:46:00		17:39:00					
Torlundy Ben Nevis	arr	06:59:30		07:49:30			10:15:00	11:45:30			14:42:00	15:49:30		17:42:30					
Torlundy Ben Nevis	dep	07:00:30		07:50:30			10:16:00	11:46:30			14:43:00	15:50:30		17:43:30					
Spean Bridge	arr	07:06:00		07:56:00	08:36:00		10:21:30	11:52:00			14:48:30	15:56:00		17:49:00			20:07:00		21:11:00
Spean Bridge	dep	07:08:00		07:57:00	08:45:00		10:23:00	11:56:00			14:50:00	15:57:30		17:51:00			20:10:00		21:12:00
Roy Bridge	dep	07:13:30		08:04:00			10:28:30	12:02:00				16:03:00		17:57:00			20:17:00		
Tulloch	arr	07:23:30		08:14:00			10:38:30	12:12:00				16:13:00		18:07:00			20:28:00		
Tulloch	dep			08:15:00	09:20:00			12:14:00						18:08:00			20:30:00		21:37:30
Corrour	dep			08:32:00	09:39:00			12:30:00						18:25:00			20:53:00		21:59:00
Rannoch	arr			08:42:00	09:55:00			12:40:00						18:35:00			21:06:00		22:13:30
Rannoch	dep			08:47:00	09:56:00			12:42:00						18:38:00			21:09:00		22:14:30
Bridge of Orchy	arr			09:05:00	10:31:00			13:03:00						18:56:00			21:35:00		22:38:30

6.6 Option 5: Use of Spare Unit

- 6.6.1 This option focuses on additional services that could be provided when an additional unit becomes available at Fort William after the arrival at Fort William of the 12:23 Glasgow Queen St – Mallaig which divides at Fort William at 16:09. However, due to the operation of the Jacobite service between Fort William and Mallaig there are limited opportunities for this additional unit. The additional services provided in this timetable are summarised in the table below:

Table 18. Option 5 additional services (spare unit workings coloured grey)

ORIGIN		DESTINATION		PURPOSE / EXPLANATION
STATION	TIME	STATION	TIME	
Fort William	06:50	Tulloch	07:23	Extra working to resource 07:37 from Tulloch
Tulloch	07:37	Fort William	08:14	08:08 arrival at Carrs Corner for school
Spean Bridge	08:53	Glenfinnan	09:24	Enhanced local service
Glenfinnan	09:29	Rannoch	11:07	Tourism service
Rannoch	11:44	Fort William	12:47	Tourism service
Fort William	13:23	Rannoch	14:25	Tourism service + Friday school service
Rannoch	14:30	Fort William	15:32	Return from Rannoch
Fort William	15:40	Rannoch	16:42	Tourism service
Rannoch	17:03	Fort William	18:06	Tourism service
Fort William	17:29	Mallaig	18:58	Spare unit working
Mallaig	20:10	Fort William	21:31	Last Armadale – Mallaig ferry arrives 19:55

- 6.6.2 The detailed full timetable are given in the following pages. In combination with existing services seven trains would be provided in each directions at the proposed new stations.

Table 19. Option 5 Timetable (northbound)

KEY			6Y02	1Y53	New	1Y11	2Y61	1Y21	New	2Y68	New	1Y23	5Y63		Spare unit	1H85	6S45	5Y70	1Y47
Scotrail	Bridge of Orchy	dep				08:18:00		10:48:00				14:49:00				18:57:00	17:54:30		20:45:00
New	Rannoch	arr				08:43:00		11:08:00				15:09:00				19:25:00	18:33:30		21:05:00
Freight	Rannoch	dep	05:30:00			08:45:00		11:09:00	11:44:00		14:30:00	15:12:00		17:03:30		19:30:00	18:36:30		21:08:00
ECS	Corrour	arr	05:44:30			08:58:00		11:21:00	11:56:00		14:42:00	15:23:00		17:15:30		19:45:00	18:56:00		21:19:00
Jacobite	Corrour	dep	05:44:30			09:00:00		11:21:00	11:56:00		14:42:00	15:24:00		17:15:30		19:47:00	18:56:00		21:20:00
Sleeper	Tulloch	arr	06:06:00	07:37:30		09:19:00		11:36:00	12:11:00		14:57:00	15:39:00		17:30:30		20:09:00	19:21:30		21:35:00
Royal Scotsman	Tulloch	dep	06:06:00	07:39:30		09:21:00		11:38:00	12:14:00		14:59:00	15:40:00		17:32:30		20:30:00	19:21:30		21:36:00
	Roy Bridge	dep		07:49:30		09:31:00		11:48:00	12:24:00		15:09:00	15:50:00		17:42:30		20:44:00			21:46:00
	Spean Bridge	arr	06:26:00	07:55:00		09:38:00		11:53:30	12:29:30		15:14:30	15:55:30		17:48:00		20:53:00	20:14:00		21:52:00
	Spean Bridge	dep	06:26:00	07:58:00		09:39:30		11:55:00	12:31:00		15:16:00	15:56:30		17:50:00			20:14:00		21:53:30
	Torlundy Ben Nevis	arr		08:03:30				12:00:30	12:36:30		15:21:30	16:02:00		17:55:30					21:59:00
	Torlundy Ben Nevis	dep		08:04:30				12:01:30	12:37:30		15:22:30	16:03:00		17:56:30					22:00:00
	Carrs Corner	arr		08:08:00				12:05:00	12:41:00		15:26:00	16:06:30		18:00:00					22:03:30
	Carrs Corner	dep		08:09:00				12:06:00	12:42:00		15:27:00	16:07:30		18:01:00					22:04:30
	Fort William Jn	arr	06:40:00	08:11:00		09:51:30		12:08:00	12:44:00		15:29:00	16:09:30		18:03:00			20:37:00		22:06:30
	Fort William Jn	dep	06:43:00	08:11:00		09:51:30		12:08:00	12:44:00		15:29:00	16:09:30		18:03:00			20:40:00		22:06:30
	Fort William	arr		08:14:00		09:55:00		12:11:00	12:47:00		15:32:00	16:12:30		18:06:00					22:09:30
	Fort William	dep		08:30:00	08:53:00		10:15:00	12:16:00		12:45:00		16:19:00	16:24:00		17:29:00			21:00:00	22:14:30
	Fort William Jn	dep		08:33:00	08:55:30		10:18:00	12:18:30		12:49:00		16:22:00	16:28:00		17:31:30			21:04:00	22:17:00
	Banavie	dep		08:36:00	08:59:30		10:21:00	12:22:30		12:52:00		16:25:00			17:35:30				22:21:00
	Corpach	dep		08:42:00	09:03:30			12:26:30				16:30:00			17:39:30				22:25:00
	Loch Eil Outward Bound	dep		08:49:00	09:10:30		10:35:00	12:33:30		13:05:30		16:36:00			17:46:30				22:32:00
	Locheilside	dep		08:54:00	09:15:30			12:38:30				16:41:00			17:51:30				22:37:00
	Glenfinnan	arr		09:03:00	09:24:30		10:54:00	12:47:30		13:25:30		16:51:00			18:00:30				22:46:00
	Glenfinnan	dep		09:05:00			11:22:00	12:49:30		13:55:30		16:55:00			18:10:00				22:48:00
	Lochailort	dep		09:20:00				13:05:30				17:10:00			18:26:00				23:04:00
	Beasdale	dep		09:29:00				13:14:30				17:19:00			18:35:00				23:13:00
	Arisaig	arr		09:36:00			12:02:00	13:20:30		14:35:30		17:26:00			18:41:00				23:19:00
	Arisaig	dep		09:38:00			12:07:00	13:22:30		14:42:00		17:27:00			18:43:00				23:21:00
	Morar	dep		09:46:00				13:30:30				17:36:00			18:51:00				23:29:00
	Mallaig	arr		09:53:00			12:26:00	13:37:30		15:01:00		17:43:00			18:58:00				23:36:00

Table 20. Option 5 Timetable (southbound)

KEY			New	1Y42	6E45	5Y61	New	1Y44	3S96	New	5Y68	New	2Y62	1Y48	2Y69	1Y58	1B01	Spare unit	3Q34
Scotrail	Mallaig	dep		06:03:00				10:09:30					14:10:00	16:06:30	16:55:00	18:27:00		20:10:00	
New	Morar	dep		06:09:00				10:16:30					14:23:00	16:13:30	17:07:00	18:34:00		20:17:00	
Freight	Arisaig	arr		06:17:00				10:24:30					14:38:00	16:21:30	17:23:00	18:42:00		20:25:00	
ECS	Arisaig	dep		06:19:00				10:26:30					14:40:00	16:23:30	17:29:00	18:43:00		20:27:00	
Jacobite	Beasdale	dep		06:25:00				10:32:30						16:29:30		18:50:00		20:33:00	
Sleeper	Lochailort	dep		06:34:00				10:41:30						16:38:30		18:59:00		20:42:00	
Royal Scotsman	Glenfinnan	arr		06:50:00				10:57:30					15:19:00	16:54:30	18:09:00	19:14:00		20:58:00	
	Glenfinnan	dep		06:51:00			09:29:30	10:59:30					15:21:00	16:56:30	18:11:00	19:16:00		21:00:00	
	Locheilside	dep		07:01:00			09:38:30	11:08:30						17:05:30		19:25:00		21:09:00	
	Loch Eil Outward Bound	dep		07:07:00			09:43:30	11:13:30					15:41:00	17:10:30	18:31:30	19:32:00		21:14:00	
	Corpach	dep		07:13:00			09:50:30	11:20:30						17:17:30		19:38:00		21:21:00	
	Banavie	dep		07:17:00			09:54:30	11:24:30					15:55:00	17:21:30	18:45:30	19:42:00		21:25:00	
	Fort William Jn	dep		07:22:00		09:12:00	09:58:30	11:28:30			13:42:00		15:59:00	17:25:30	18:49:00	19:46:00		21:29:00	
	Fort William	arr		07:25:00		09:15:00	10:01:00	11:31:00			13:45:00		16:03:00	17:28:00	18:53:00	19:49:00		21:31:30	
	Fort William	dep	06:50:00	07:40:00			10:06:00	11:36:00				15:40:00		17:33:00			19:50:00		
	Fort William Jn	arr	06:53:00	07:43:00	08:15:00		10:08:30	11:38:00		13:23:00		15:43:00							
	Fort William Jn	dep	06:53:00	07:43:00	08:19:00		10:08:30	11:39:00		13:26:00		15:43:00		17:36:00			19:53:00		20:58:00
	Carrs Corner	arr	06:55:00	07:45:00			10:10:30	11:41:00		13:28:00		15:45:00		17:38:00					
	Carrs Corner	dep	06:56:00	07:46:00			10:11:30	11:42:00		13:29:00		15:46:00		17:39:00					
	Torlundy Ben Nevis	arr	06:59:30	07:49:30			10:15:00	11:45:30		13:32:30		15:49:30		17:42:30					
	Torlundy Ben Nevis	dep	07:00:30	07:50:30			10:16:00	11:46:30		13:33:30		15:50:30		17:43:30					
	Spean Bridge	arr	07:06:00	07:56:00	08:36:00		10:21:30	11:52:00		13:39:00		15:56:00		17:49:00			20:07:00		21:11:00
	Spean Bridge	dep	07:08:00	07:57:00	08:45:00		10:23:00	11:56:00		13:40:30		15:57:30		17:51:00			20:10:00		21:12:00
	Roy Bridge	dep	07:13:30	08:04:00			10:28:30	12:02:00		13:46:00		16:03:00		17:57:00			20:17:00		
	Tulloch	arr	07:23:30	08:14:00			10:38:30	12:12:00		13:56:00		16:13:00		18:07:00			20:28:00		
	Tulloch	dep		08:15:00	09:20:00		10:40:30	12:14:00		13:58:00		16:15:00		18:08:00			20:30:00		21:37:30
	Corrour	dep		08:32:00	09:39:00		10:55:30	12:30:00		14:13:00		16:30:00		18:25:00			20:53:00		21:59:00
	Rannoch	arr		08:42:00	09:55:00		11:07:30	12:40:00		14:25:00		16:42:00		18:35:00			21:06:00		22:13:30
	Rannoch	dep		08:47:00	09:56:00			12:42:00						18:38:00			21:09:00		22:14:30
	Bridge of Orchy	arr		09:05:00	10:31:00			13:03:00						18:56:00			21:35:00		22:38:30
	Bridge of Orchy	dep		09:07:00	10:51:00			13:03:00						18:58:00			21:37:00		22:39:30
	Upper Tyndrum	arr		09:20:00	11:10:00			13:16:00	13:51:00					19:11:00			21:52:00		22:54:30
	Upper Tyndrum	dep		09:23:00	11:13:00			13:19:00	13:57:00					19:14:00			21:55:00		22:57:30
	Crianlarich	arr		09:31:00	11:24:00			13:27:00	14:08:00					19:22:00			22:06:00		23:08:30
	Crianlarich	dep		09:33:00	11:31:00			13:37:00	14:13:00					19:32:00			22:08:00		23:09:30

6.7 Options 6a & 6b: Winter

- 6.7.1 The Jacobite steam train service does not operate during the winter. Therefore, SYSTRA have examined two options for alternative winter services which make use of the available paths towards Mallaig. The additional services provided in each option are summarised in the tables below.

Table 21. Option 6a additional services

ORIGIN		DESTINATION		PURPOSE / EXPLANATION
STATION	TIME	STATION	TIME	
Fort William	06:50	Tulloch	07:23	Extra working to resource 07:37 from Tulloch
Tulloch	07:37	Fort William	08:14	08:08 arrival at Carrs Corner for school
Spean Bridge	08:53	Glenfinnan	09:24	Enhanced local service
Glenfinnan	09:29	Fort William	10:01	Enhanced local service
Fort William	10:25	Mallaig	11:48	Enhanced local service
Mallaig	11:58	Rannoch	14:27	Tourism service + Friday school service
Rannoch	14:32	Fort William	15:34	Tourism service
Fort William	15:40	Tulloch	16:13	School service
Tulloch	16:50	Mallaig	18:58	Enhanced local service

Table 22. Option 6b additional services

ORIGIN		DESTINATION		PURPOSE / EXPLANATION
STATION	TIME	STATION	TIME	
Fort William	06:50	Tulloch	07:23	Extra working to resource 07:37 from Tulloch
Tulloch	07:37	Fort William	08:14	08:08 arrival at Carrs Corner for school
Spean Bridge	08:53	Glenfinnan	09:24	Enhanced local service
Glenfinnan	09:29	Fort William	10:01	Enhanced local service
Fort William	10:25	Mallaig	11:48	Enhanced local service
Mallaig	11:58	Fort William	13:20	Enhanced local service
Fort William	13:25	Mallaig	14:48	Enhanced local service
Mallaig	14:15	Tulloch	16:15	Enhanced local service + school service
Tulloch	16:50	Mallaig	18:58	Enhanced local service

- 6.7.2 The detailed full timetable are given in the following pages. In combination with existing services six trains would be provided in each directions at the proposed new stations in Option 6a and fives trains each way in Option 6b. With reduced demand in winter it may be appropriate to operate the new stations as request stops in winter.

Table 23. Option 6a Timetable (northbound)

			6Y02	1Y53	New	1Y11	New	1Y21	New	1Y23	5Y63	New	1H85	6S45	5Y70	1Y47
KEY	Bridge of Orchy	dep				08:18:00		10:48:00		14:49:00			18:57:00	17:54:30		20:45:00
Scotrail	Rannoch	arr				08:43:00		11:08:00		15:09:00			19:25:00	18:33:30		21:05:00
New	Rannoch	dep	05:30:00			08:45:00		11:09:00	14:32:00	15:12:00			19:30:00	18:36:30		21:08:00
Freight	Corrour	arr	05:44:30			08:58:00		11:21:00	14:44:00	15:23:00			19:45:00	18:56:00		21:19:00
ECS	Corrour	dep	05:44:30			09:00:00		11:21:00	14:44:00	15:24:00			19:47:00	18:56:00		21:20:00
Jacobite	Tulloch	arr	06:06:00	07:37:30		09:19:00		11:36:00	14:59:00	15:39:00			20:09:00	19:21:30		21:35:00
Sleeper	Tulloch	dep	06:06:00	07:39:30		09:21:00		11:38:00	15:01:00	15:40:00		16:50:00	20:30:00	19:21:30		21:36:00
Royal Scotsman	Roy Bridge	dep		07:49:30		09:31:00		11:48:00	15:11:00	15:50:00		17:00:00	20:44:00			21:46:00
	Spean Bridge	arr	06:26:00	07:55:00		09:38:00		11:53:00	15:16:30	15:55:30		17:05:30	20:53:00	20:14:00		21:52:00
	Spean Bridge	dep	06:26:00	07:58:00		09:39:30		11:55:00	15:18:00	15:56:30		17:07:00		20:14:00		21:53:30
	Torlundy Ben Nevis	arr		08:03:30				12:00:30	15:23:30	16:02:00		17:12:30				21:59:00
	Torlundy Ben Nevis	dep		08:04:30				12:01:30	15:24:30	16:03:00		17:13:30				22:00:00
	Carrs Corner	arr		08:08:00				12:05:00	15:28:00	16:06:30		17:17:00				22:03:30
	Carrs Corner	dep		08:09:00				12:06:00	15:29:00	16:07:30		17:18:00				22:04:30
	Fort William Jn	arr	06:40:00	08:11:00		09:51:30		12:08:00	15:31:00	16:09:30		17:20:00		20:37:00		22:06:30
	Fort William Jn	dep	06:43:00	08:11:00		09:51:30		12:08:00	15:31:00	16:09:30		17:20:00		20:40:00		22:06:30
	Fort William	arr		08:14:00		09:55:00		12:11:00	15:34:00	16:12:30		17:23:00				22:09:30
	Fort William	dep		08:30:00	08:53:00		10:25:00	12:16:00		16:19:00	16:24:00	17:29:00			21:00:00	22:14:30
	Fort William Jn	dep		08:33:00	08:55:30		10:27:30	12:18:30		16:22:00	16:28:00	17:31:30			21:04:00	22:17:00
	Banavie	dep		08:36:00	08:59:30		10:31:30	12:22:30		16:25:00		17:35:30				22:21:00
	Corpach	dep		08:42:00	09:03:30		10:35:30	12:26:30		16:30:00		17:39:30				22:25:00
	Loch Eil Outward Bound	dep		08:49:00	09:10:30		10:42:30	12:33:30		16:36:00		17:46:30				22:32:00
	Locheilside	dep		08:54:00	09:15:30		10:47:30	12:38:30		16:41:00		17:51:30				22:37:00
	Glenfinnan	arr		09:03:00	09:24:30		10:56:30	12:47:30		16:51:00		18:00:30				22:46:00
	Glenfinnan	dep		09:05:00			11:00:30	12:49:30		16:55:00		18:10:00				22:48:00
	Lochailort	dep		09:20:00			11:16:30	13:05:30		17:10:00		18:26:00				23:04:00
	Beasdale	dep		09:29:00			11:25:30	13:14:30		17:19:00		18:35:00				23:13:00
	Arisaig	arr		09:36:00			11:31:30	13:20:30		17:26:00		18:41:00				23:19:00
	Arisaig	dep		09:38:00			11:33:30	13:22:30		17:27:00		18:43:00				23:21:00
	Morar	dep		09:46:00			11:41:30	13:30:30		17:36:00		18:51:00				23:29:00
	Mallaig	arr		09:53:00			11:48:30	13:37:30		17:43:00		18:58:00				23:36:00

Table 24. Option 6a Timetable (southbound)

KEY			New	1Y42	6E45	5Y61	New	1Y44	3S96	5Y68	New	New	1Y48	1Y58	1B01	New	3Q34
Scotrail	Mallaig	dep		06:03:00				10:09:30			11:58:30		16:06:30	18:27:00		20:10:00	
New	Morar	dep		06:09:00				10:16:30			12:05:30		16:13:30	18:34:00		20:17:00	
Freight	Arisaig	arr		06:17:00				10:24:30			12:13:30		16:21:30	18:42:00		20:25:00	
ECS	Arisaig	dep		06:19:00				10:26:30			12:15:30		16:23:30	18:43:00		20:27:00	
Jacobite	Beasdale	dep		06:25:00				10:32:30			12:21:30		16:29:30	18:50:00		20:33:00	
Sleeper	Lochailort	dep		06:34:00				10:41:30			12:30:30		16:38:30	18:59:00		20:42:00	
Royal Scotsman	Glenfinnan	arr		06:50:00				10:57:30			12:46:30		16:54:30	19:14:00		20:58:00	
	Glenfinnan	dep		06:51:00			09:29:30	10:59:30			12:48:30		16:56:30	19:16:00		21:00:00	
	Locheilside	dep		07:01:00			09:38:30	11:08:30			12:57:30		17:05:30	19:25:00		21:09:00	
	Loch Eil Outward Bound	dep		07:07:00			09:43:30	11:13:30			13:02:30		17:10:30	19:32:00		21:14:00	
	Corpach	dep		07:13:00			09:50:30	11:20:30			13:09:30		17:17:30	19:38:00		21:21:00	
	Banavie	dep		07:17:00			09:54:30	11:24:30			13:13:30		17:21:30	19:42:00		21:25:00	
	Fort William Jn	dep		07:22:00		09:12:00	09:58:30	11:28:30		13:42:00	13:17:30		17:25:30	19:46:00		21:29:00	
	Fort William	arr		07:25:00		09:15:00	10:01:00	11:31:00		13:45:00	13:20:00		17:28:00	19:49:00		21:31:30	
	Fort William	dep	06:50:00	07:40:00				11:36:00			13:25:00	15:40:00	17:33:00		19:50:00		
	Fort William Jn	arr	06:53:00		08:15:00						13:28:00	15:43:00					
	Fort William Jn	dep	06:53:00	07:43:00	08:19:00			11:39:00			13:28:00	15:43:00	17:36:00		19:53:00		20:58:00
	Carrs Corner	arr	06:55:00	07:45:00				11:41:00			13:30:00	15:45:00	17:38:00				
	Carrs Corner	dep	06:56:00	07:46:00				11:42:00			13:31:00	15:46:00	17:39:00				
	Torlundy Ben Nevis	arr	06:59:30	07:49:30				11:45:30			13:34:30	15:49:30	17:42:30				
	Torlundy Ben Nevis	dep	07:00:30	07:50:30				11:46:30			13:35:30	15:50:30	17:43:30				
	Spean Bridge	arr	07:06:00	07:56:00	08:36:00			11:52:00			13:41:00	15:56:00	17:49:00		20:07:00		21:11:00
	Spean Bridge	dep	07:08:00	07:57:00	08:45:00			11:56:00			13:42:30	15:57:30	17:51:00		20:10:00		21:12:00
	Roy Bridge	dep	07:13:30	08:04:00				12:02:00			13:48:00	16:03:00	17:57:00		20:17:00		
	Tulloch	arr	07:23:30	08:14:00				12:12:00			13:58:00	16:13:00	18:07:00		20:28:00		
	Tulloch	dep		08:15:00	09:20:00			12:14:00			14:00:00		18:08:00		20:30:00		21:37:30
	Corrour	dep		08:32:00	09:39:00			12:30:00			14:15:00		18:25:00		20:53:00		21:59:00
	Rannoch	arr		08:42:00	09:55:00			12:40:00			14:27:00		18:35:00		21:06:00		22:13:30
	Rannoch	dep		08:47:00	09:56:00			12:42:00					18:38:00		21:09:00		22:14:30
	Bridge of Orchy	arr		09:05:00	10:31:00			13:03:00					18:56:00		21:35:00		22:38:30

Table 25. Option 6b Timetable (northbound)

KEY			6Y02	1Y53	New	1Y11	New	1Y21	New	1Y23	5Y63	New	1H85	6S45	5Y70	1Y47
Scotrail	Bridge of Orchy	dep				08:18:00		10:48:00		14:49:00			18:57:00	17:54:30		20:45:00
New	Rannoch	arr				08:43:00		11:08:00		15:09:00			19:25:00	18:33:30		21:05:00
Freight	Rannoch	dep	05:30:00			08:45:00		11:09:00		15:12:00			19:30:00	18:36:30		21:08:00
ECS	Corrour	arr	05:44:30			08:58:00		11:21:00		15:23:00			19:45:00	18:56:00		21:19:00
Jacobite	Corrour	dep	05:44:30			09:00:00		11:21:00		15:24:00			19:47:00	18:56:00		21:20:00
Sleeper	Tulloch	arr	06:06:00	07:37:30		09:19:00		11:36:00		15:39:00			20:09:00	19:21:30		21:35:00
Royal Scotsman	Tulloch	dep	06:06:00	07:39:30		09:21:00		11:38:00		15:40:00		16:50:00	20:30:00	19:21:30		21:36:00
	Roy Bridge	dep		07:49:30		09:31:00		11:48:00		15:50:00		17:00:00	20:44:00			21:46:00
	Spean Bridge	arr	06:26:00	07:55:00		09:38:00		11:53:30		15:55:30		17:05:30	20:53:00	20:14:00		21:52:00
	Spean Bridge	dep	06:26:00	07:58:00		09:39:30		11:55:00		15:59:30		17:07:00		20:14:00		21:53:30
	Torlundy Ben Nevis	arr		08:03:30				12:00:30		16:05:00		17:12:30				21:59:00
	Torlundy Ben Nevis	dep		08:04:30				12:01:30		16:06:00		17:13:30				22:00:00
	Carrs Corner	arr		08:08:00				12:05:00		16:09:30		17:17:00				22:03:30
	Carrs Corner	dep		08:09:00				12:06:00		16:10:30		17:18:00				22:04:30
	Fort William Jn	arr	06:40:00	08:11:00		09:51:30		12:08:00		16:12:30		17:20:00		20:37:00		22:06:30
	Fort William Jn	dep	06:43:00	08:11:00		09:51:30		12:08:00		16:12:30		17:20:00		20:40:00		22:06:30
	Fort William	arr		08:14:00		09:55:00		12:11:00		16:15:30		17:23:00				22:09:30
	Fort William	dep		08:30:00	08:53:00		10:25:00	12:16:00	13:25:00	16:21:00	16:24:00	17:29:00			21:00:00	22:14:30
	Fort William Jn	dep		08:33:00	08:55:30		10:27:30	12:18:30	13:27:30	16:24:00	16:28:00	17:31:30			21:04:00	22:17:00
	Banavie	dep		08:36:00	08:59:30		10:31:30	12:22:30	13:31:30	16:27:00		17:35:30				22:21:00
	Corpach	dep		08:42:00	09:03:30		10:35:30	12:26:30	13:35:30	16:32:00		17:39:30				22:25:00
	Loch Eil Outward Bound	dep		08:49:00	09:10:30		10:42:30	12:33:30	13:42:30	16:38:00		17:46:30				22:32:00
	Locheilside	dep		08:54:00	09:15:30		10:47:30	12:38:30	13:47:30	16:43:00		17:51:30				22:37:00
	Glenfinnan	arr		09:03:00	09:24:30		10:56:30	12:47:30	13:56:30	16:53:00		18:00:30				22:46:00
	Glenfinnan	dep		09:05:00			11:00:30	12:49:30	14:00:30	16:55:00		18:10:00				22:48:00
	Lochailort	dep		09:20:00			11:16:30	13:05:30	14:16:30	17:10:00		18:26:00				23:04:00
	Beasdale	dep		09:29:00			11:25:30	13:14:30	14:25:30	17:19:00		18:35:00				23:13:00
	Arisaig	arr		09:36:00			11:31:30	13:20:30	14:31:30	17:26:00		18:41:00				23:19:00
	Arisaig	dep		09:38:00			11:33:30	13:22:30	14:33:30	17:27:00		18:43:00				23:21:00
	Morar	dep		09:46:00			11:41:30	13:30:30	14:41:30	17:36:00		18:51:00				23:29:00
	Mallaig	arr		09:53:00			11:48:30	13:37:30	14:48:30	17:43:00		18:58:00				23:36:00

Table 26. Option 6b Timetable (southbound)

KEY			New	1Y42	6E45	5Y61	New	1Y44	3S96	5Y68	New	New	1Y48	1Y58	1B01	New	3Q34
Scotrail	Mallaig	dep		06:03:00				10:09:30			11:58:30	14:15:30	16:06:30	18:27:00		20:10:00	
New	Morar	dep		06:09:00				10:16:30			12:05:30	14:22:30	16:13:30	18:34:00		20:17:00	
Freight	Arisaig	arr		06:17:00				10:24:30			12:13:30	14:30:30	16:21:30	18:42:00		20:25:00	
ECS	Arisaig	dep		06:19:00				10:26:30			12:15:30	14:32:30	16:23:30	18:43:00		20:27:00	
Jacobite	Beasdale	dep		06:25:00				10:32:30			12:21:30	14:38:30	16:29:30	18:50:00		20:33:00	
Sleeper	Lochailort	dep		06:34:00				10:41:30			12:30:30	14:47:30	16:38:30	18:59:00		20:42:00	
Royal Scotsman	Glenfinnan	arr		06:50:00			09:29:30	10:57:30			12:46:30	15:03:30	16:54:30	19:14:00		20:58:00	
	Glenfinnan	dep		06:51:00			09:38:30	11:08:30			12:48:30	15:05:30	16:56:30	19:16:00		21:00:00	
	Locheilside	dep		07:01:00			09:43:30	11:13:30			12:57:30	15:14:30	17:05:30	19:25:00		21:09:00	
	Loch Eil Outward Bound	dep		07:07:00			09:50:30	11:20:30			13:02:30	15:19:30	17:10:30	19:32:00		21:14:00	
	Corpach	dep		07:13:00			09:54:30	11:24:30			13:09:30	15:26:30	17:17:30	19:38:00		21:21:00	
	Banavie	dep		07:17:00			09:58:30	11:28:30		13:42:00	13:13:30	15:30:30	17:21:30	19:42:00		21:25:00	
	Fort William Jn	dep		07:22:00		09:12:00	10:01:00	11:31:00		13:45:00	13:17:30	15:34:30	17:25:30	19:46:00		21:29:00	
	Fort William	arr		07:25:00		09:15:00		11:36:00			13:20:00	15:37:00	17:28:00	19:49:00		21:31:30	
	Fort William	dep	06:50:00	07:40:00								15:42:00	17:33:00		19:50:00		
	Fort William Jn	arr	06:53:00		08:15:00							15:45:00					
	Fort William Jn	dep	06:53:00	07:43:00	08:19:00			11:39:00				15:45:00	17:36:00		19:53:00		20:58:00
	Carrs Corner	arr	06:55:00	07:45:00				11:41:00				15:47:00	17:38:00				
	Carrs Corner	dep	06:56:00	07:46:00				11:42:00				15:48:00	17:39:00				
	Torlundy Ben Nevis	arr	06:59:30	07:49:30				11:45:30				15:51:30	17:42:30				
	Torlundy Ben Nevis	dep	07:00:30	07:50:30				11:46:30				15:52:30	17:43:30				
	Spean Bridge	arr	07:06:00	07:56:00	08:36:00			11:52:00				15:58:00	17:49:00		20:07:00		21:11:00
	Spean Bridge	dep	07:08:00	07:57:00	08:45:00			11:56:00				16:00:00	17:51:00		20:10:00		21:12:00
	Roy Bridge	dep	07:13:30	08:04:00				12:02:00				16:05:30	17:57:00		20:17:00		
	Tulloch	arr	07:23:30	08:14:00				12:12:00				16:15:30	18:07:00		20:28:00		
	Tulloch	dep		08:15:00	09:20:00			12:14:00					18:08:00		20:30:00		21:37:30
	Corrour	dep		08:32:00	09:39:00			12:30:00					18:25:00		20:53:00		21:59:00
	Rannoch	arr		08:42:00	09:55:00			12:40:00					18:35:00		21:06:00		22:13:30
	Rannoch	dep		08:47:00	09:56:00			12:42:00					18:38:00		21:09:00		22:14:30
	Bridge of Orchy	arr		09:05:00	10:31:00			13:03:00					18:56:00		21:35:00		22:38:30

7. OPTIONS ASSESSMENT

7.1 Introduction

- 7.1.1 This section sets out the key assumptions which underpin each of the timetable options and evaluates the extent to which each service option improves service provision, along with consideration of costs and resourcing issues..

7.2 Assumptions

- 7.2.1 This section outlines assumptions which have been made in order to generate the timetables presented above. This section covers general assumptions which apply to all or most of the services as well as assumptions made regarding a specific option to ensure that the timetable worked.

General assumptions

- 7.2.2 Several assumptions have been made as part of this timetabling exercise which apply to all or most of the services. These are outlined below:
- In the morning in all timetable options there is a point at which the new service, the sleeper and the Jacobite are all expected to be using Fort William at the same time. Consultation of the Timetable Planning Rules indicates that Fort William can accept permissive working. The Train Planning Rules show that platforms at Fort William are 212m long. The platform could therefore accommodate a Caledonian Sleeper formed of a maximum of six Mark 5 coaches and two class 73 locomotives plus a two car Class 156, although this would fully occupy the platform. This issue would require further examination, particularly to understand the likelihood of the Sleeper being formed of six coaches and two locomotives, given the current formation is one locomotive and five coaches.
 - 6E45 Fort William Alcan to North Blyth would need to be retimed to occupy Fort William junction earlier – path retained from Spean Bridge onwards. The current allowance between Fort William Alcan and Fort William Junction for this train appears to be very generous relative to actual times recorded. This would need reviewing to understand the best way to alter the path of the service.
 - 1Y53 in the existing timetable departs Fort William for Mallaig at 08:30. These timetables have the unit work the proposed 06:50 Fort William – Tulloch service in order to allow 1Y53 to start at Tulloch and provide a school service at Carrs Corner
 - In all cases, existing ScotRail services have been retimed between Spean Bridge and Fort William to accommodate the new station calls. Paths were retained beyond Spean Bridge towards Glasgow
 - In several cases the Jacobite dwell times have been slightly compressed, notably at Glenfinnan

Option specific assumptions

Fort William Opportunities Around Rail	
Fort William Opportunities Around Rail	110430
Report	27/07/2021

- Option 2
 - This requires the use of recess siding at Glenfinnan. There is not evidence to suggest that this would not be possible.
- Option 4
 - There is the potential for the 10:43 Tulloch – Mallaig to be delayed at Arisaig awaiting the run round movement of the preceding Fort William – Mallaig Jacobite service to be completed. This could be resolved by retiming the service to arrive later at Mallaig.
- Option 6a
 - New service 16:50 Tulloch to Mallaig has extended dwell at Glenfinnan to allow 1Y58 to pass
- Option 6b
 - 1Y21 (13:37 arrival at Mallaig) used to provide 14:15 Mallaig to Tulloch service
 - 1Y48 (16:06 departure from Mallaig) now worked by new service which arrives at Mallaig at 14:58

Train Crew Assumptions

- 7.2.3 All of the options modelled require an additional two crew diagrams per day based at Fort William depot. This would therefore require an additional four or five pairs of crew to be recruited to provide all week coverage. Train crew workings would require validation by ScotRail
- 7.2.4 The level of train crew resource required suggests that any service provided would represent a long term commitment to an all year round service.
- 7.2.5 To accommodate Physical Needs Breaks (PNBs) additional facilities may be required at some locations. This includes the following:
- Option 1 – Train crew facilities at Bridge of Orchy
 - Option 2 – Train crew facilities at Glenfinnan
 - Option 3 – Train crew facilities at Rannoch
- 7.2.6 Whilst Options 5 makes use of marginal time provided by a units that is spare at Fort William we are concerned that it is not possible to resource train crew for the service without disproportionate cost.

7.3 Provision of school service

- 7.3.1 One of the aims of the enhanced local service around Fort William was to provide a service to / from Lochaber High School. The table below summarises the school services provided by each option.

Fort William Opportunities Around Rail	
Fort William Opportunities Around Rail	110430
Report	27/07/2021

Table 28. Summary of school services

	OPTION						
	1	2	3	4	5	6A	6B
AM arrival at Carrs Corner	08:08	08:08	08:08	08:08	08:08	08:08	08:08
PM departure at Carrs Corner (Mon-Thur)	15:45	15:45	15:45	15:45	15:45	15:45	15:47
PM Departure at Carrs Corner (Fri)	13:28	14:08	13:28	14:37	13:28	13:30	X
AM arrival at Banavie	08:36	08:36	08:36	08:36	08:36	08:36	08:36
PM departure at Banavie (Mon-Thur)	16:25*	16:25*	16:25*	16:25*	16:25*	16:25*	16:25*
PM departure at Banavie (Fri)	X	X	X	X	X	X	13:31

*Existing ScotRail service

- 7.3.2 The table above shows that there is potential to provide a service to / from Carrs Corner which fulfils the requirements for the Lochaber High School all week. This is achieved by extending the operation of ScotRail service 1Y53 back to Tulloch in the mornings. Extending this service back to Tulloch allows both the Banavie and Carrs Corner school markets to be served as the additional unit can be used to operate from Mallaig, arriving into Banavie at 08:20. As a result, the morning arrivals at both stations are well served by all options.
- 7.3.3 The Monday – Thursday departure from Carrs Corner back towards Tulloch is also well-served in all options with a service timetabled 15 minutes after school closure. Options 1, 3, 5 and 6A also demonstrate that the Friday afternoon departure can also be well served.
- 7.3.4 Providing services to / from Banavie is more difficult given that the single line track between Fort William and Mallaig is heavily utilised during the day, including by slower steam services. The existing 16:25 ScotRail departure from Banavie could serve as a school service but this is one hour after school closure. It is not possible to time a Friday afternoon departure from Banavie as the Jacobite steam train operates in the path such a service would occupy.
- 7.3.5 Overall, options 1, 3, 5 and 6A provide the most comprehensive and convenient coverage for a school service.

7.4 Enhanced local provision

- 7.4.1 Another aim of the service was to provide enhanced local provision bounded by Mallaig and Rannoch. The table below summarises the additional services proposed to / from Fort William each day

Table 29. Additional return trips per day to / from Fort William

TO / FROM	OPTION						
	1	2	3	4	5	6A	6B
Glenfinnan	2	3	3	4	3	4	5
Mallaig	2	2	2	3	2	3	4
Spean Bridge	5	5	4	4	4	3	2
Tulloch	4	4	4	3	4	3	2
Rannoch	2	1	2	0	3	1	0

7.4.2 The table above indicates that it is relatively difficult to provide an enhanced service to Mallaig in the summer months (options 1 – 5) due to the presence of the Jacobite service. The best Mallaig service is provided in Option 6B, however this is at the expense of services to Rannoch.

7.4.3 The best Rannoch service is provided in Option 5. This option also provides a relatively attractive service to all other stations included in the table. Options 1 and 3 also provide a relatively attractive service to all stations.

7.5 Additional ferry connections

7.5.1 Given the utilisation of the route between Fort William and Mallaig by existing services (including the Jacobite steam train) it is relatively difficult to provide additional ferry connections during the summer months. All of the summer options provide evening connectivity with the last arrival of the Armadale ferry at 19:55 with a 20:10 service to Fort William. During the daytime, only one option provides additional connectivity, Option 4 has a service which arrives in Mallaig at 12:53 (connecting to the 13:30 Armadale ferry departure) and a service that departs Mallaig at 13:06 (aligned with the 12:40 arrival of the Armadale ferry).

7.5.2 It has not been possible to achieve a Lochboisdale connection except in Option 6A and 6B where a connection is achieved in winter when the ferry service runs earlier

7.6 Operating costs

7.6.1 Using a range of operating costs metrics we have estimated the costs of operating the options. These estimated costs include:

- Rolling stock leasing costs
- Train crew (driver and conductor)
- Rolling stock maintenance
- Fuel costs
- Variable Track Access charges

7.6.2 Leasing costs and train crew costs represent the most substantial costs as these are largely fixed there is relatively little variation in the costs between the different options.

7.6.3 The results are relatively sensitive to an assumption made about leasing costs. The Class 156 units are comparatively old and thus their leasing costs are falling. Were another type of train to be used such as Class 170 the operating cost may rise substantially.

Table 30. Additional operating costs

OPTION	OPERATING COSTS
Option 1	£983,147
Option 2	£948,133
Option 3	£966,121
Option 4	£955,375
Option 5	£914,743
Option 6A	£935,422
Option 6B	£948,817

APPENDIX A – TIMETABLE GRAPHS

Fort William Opportunities Around Rail	
Fort William Opportunities Around Rail	110430
Report	27/07/2021

Figure 4. Current services operating to / from Fort William

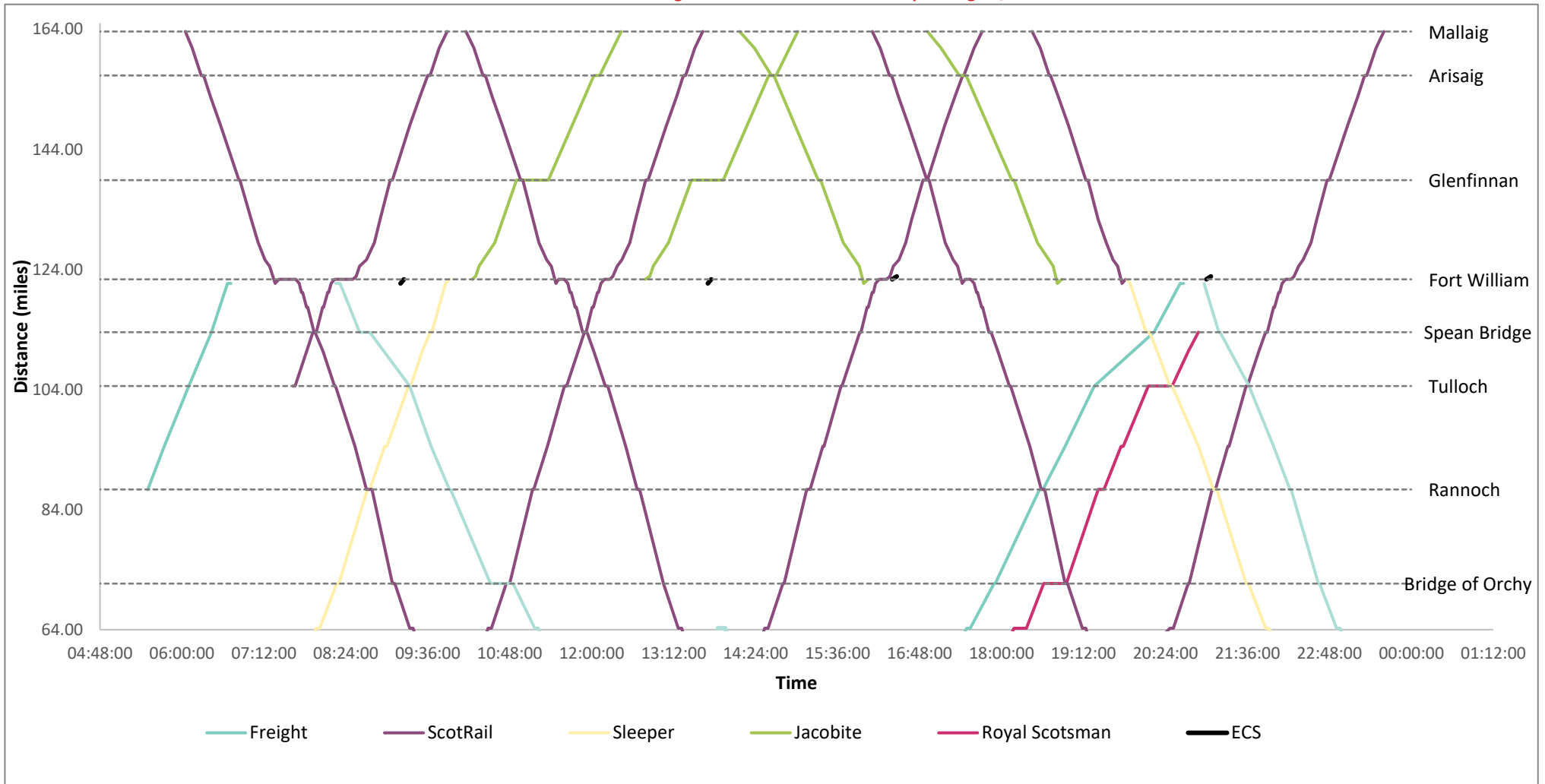


Figure 5. Option 1 Timetable Graph

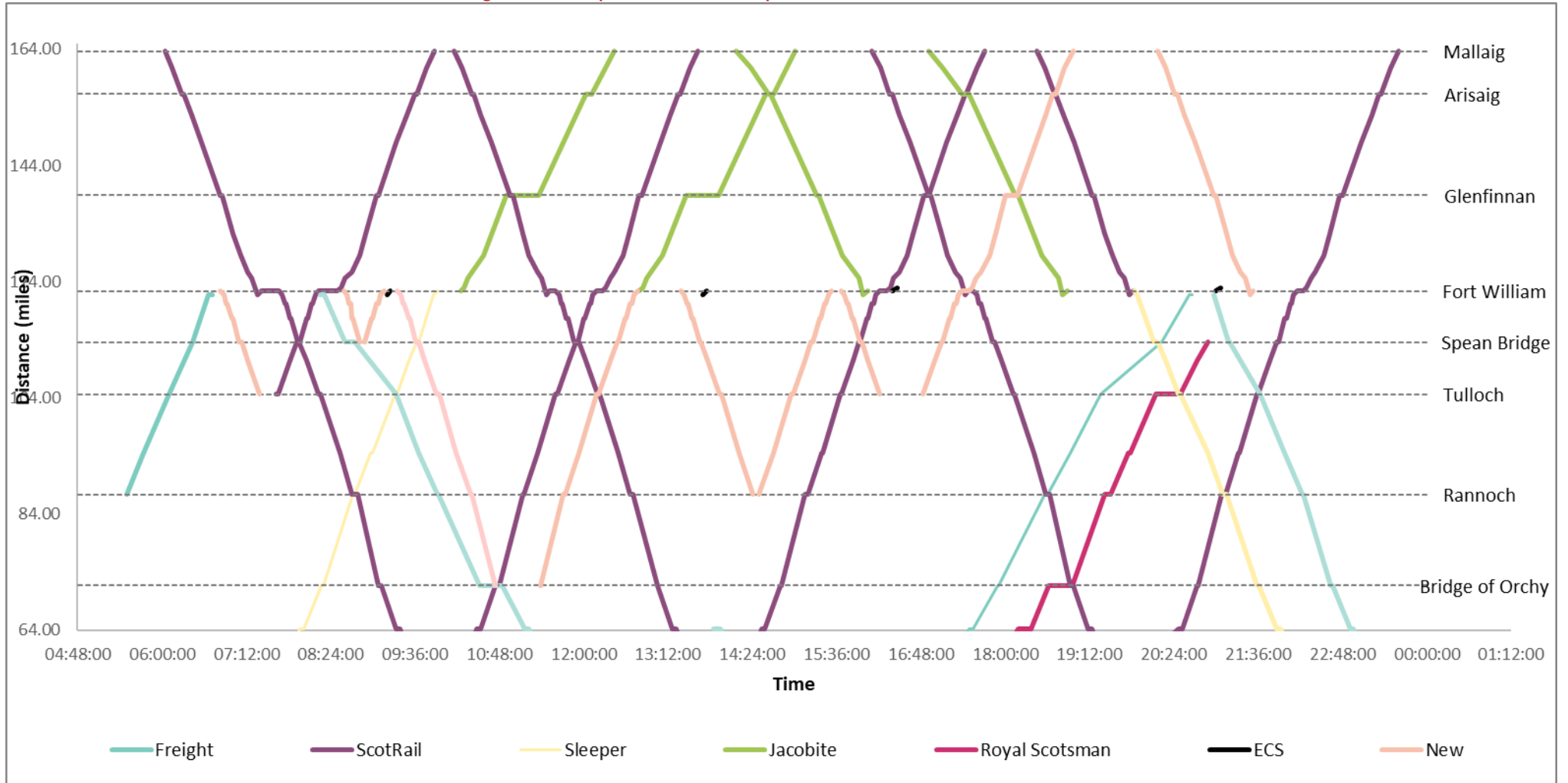


Figure 6. Option 2 Timetable Graph

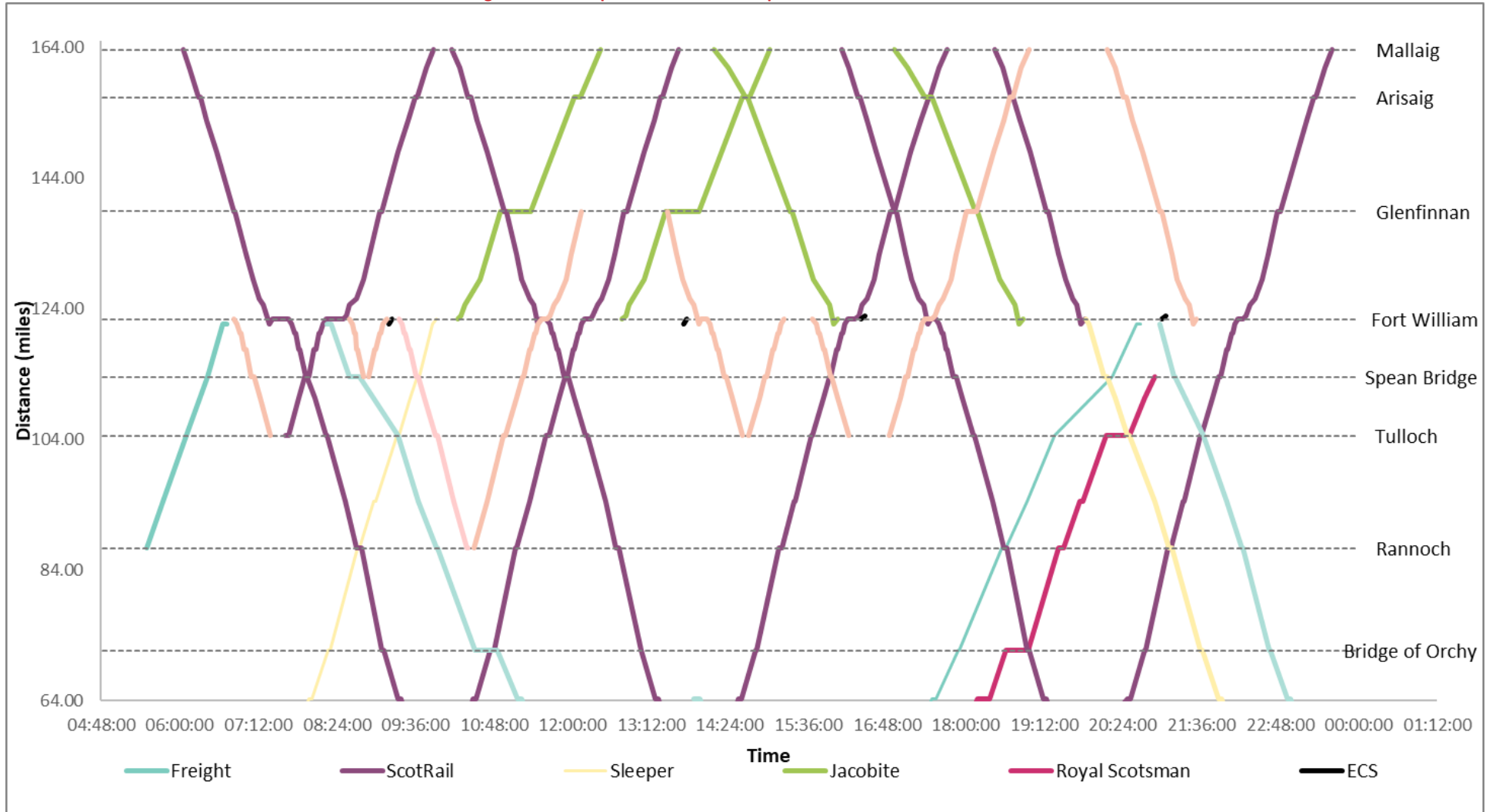


Figure 7. Option 3 Timetable Graph

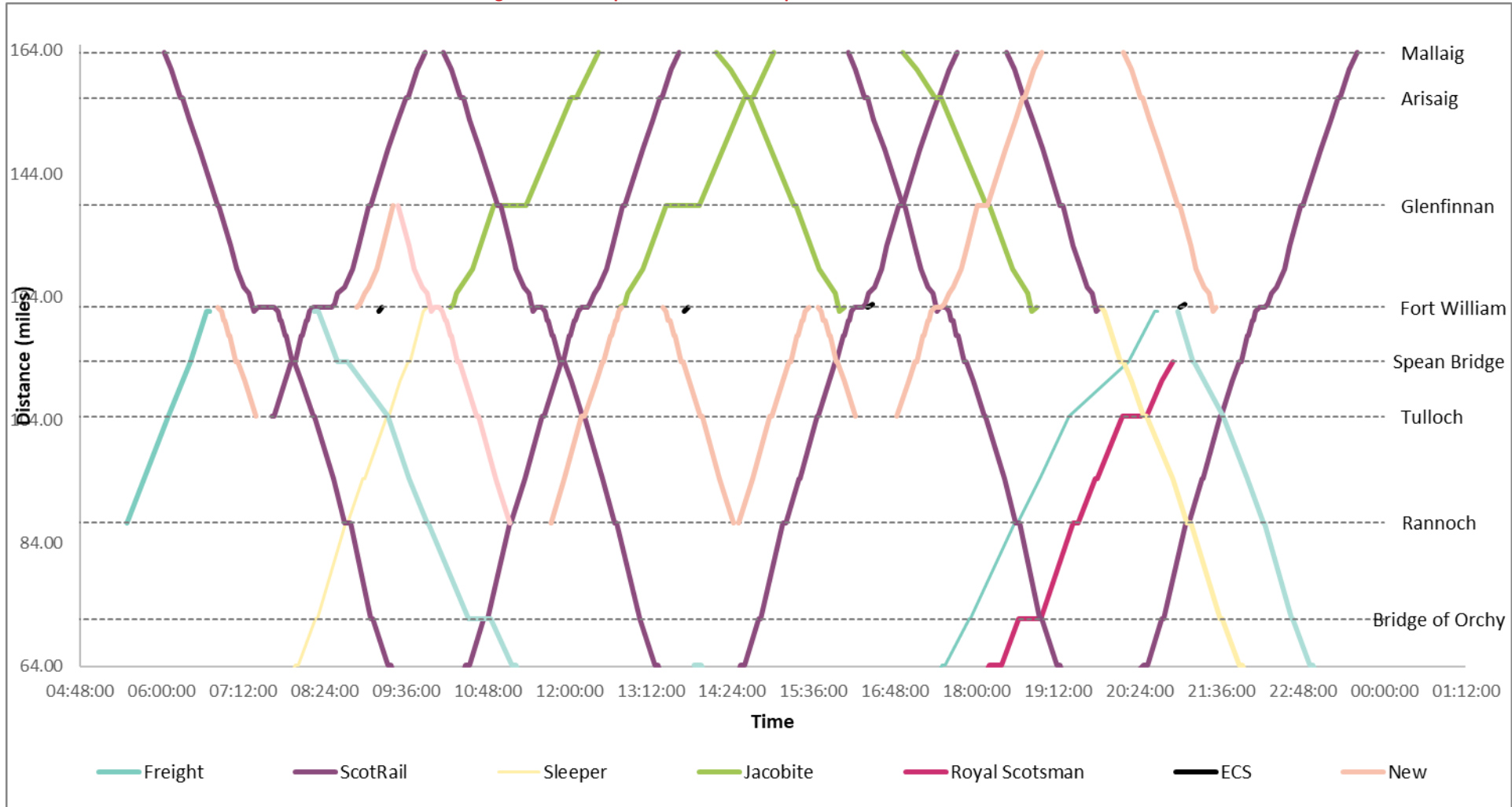


Figure 8. Option 4 Timetable Graph

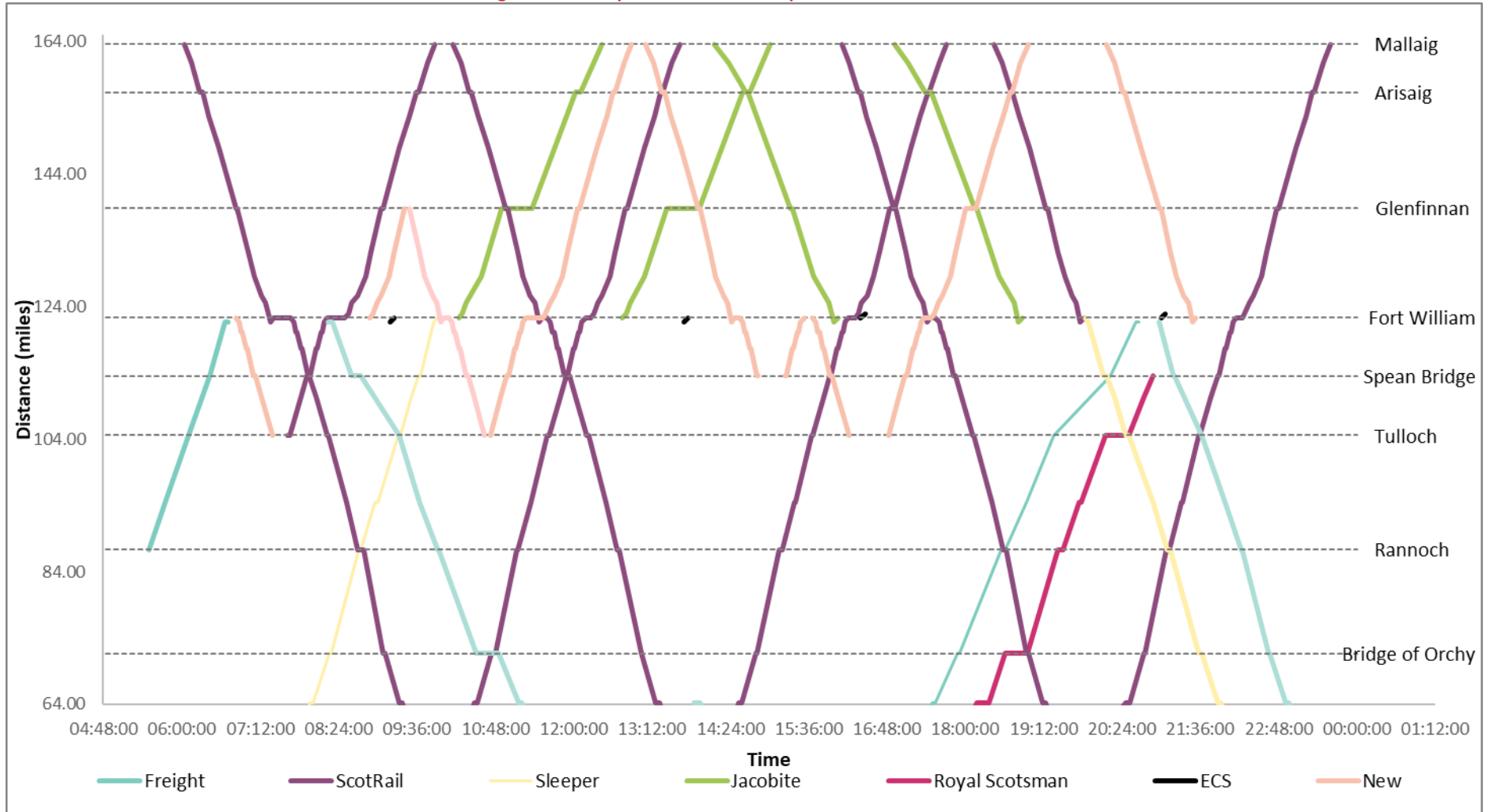


Figure 9. Option 5 Timetable Graph

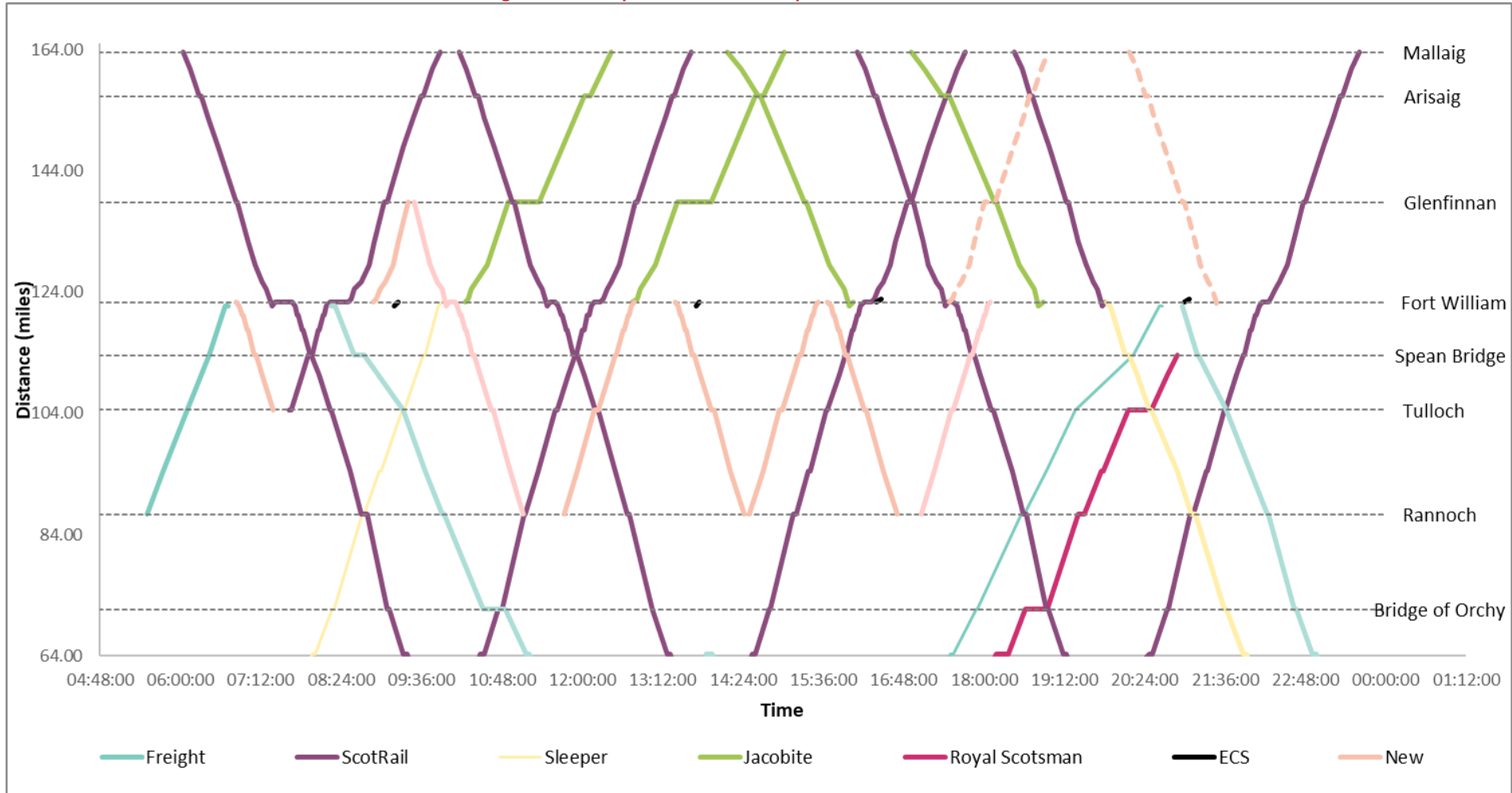


Figure 10. Option 6a Timetable Graph

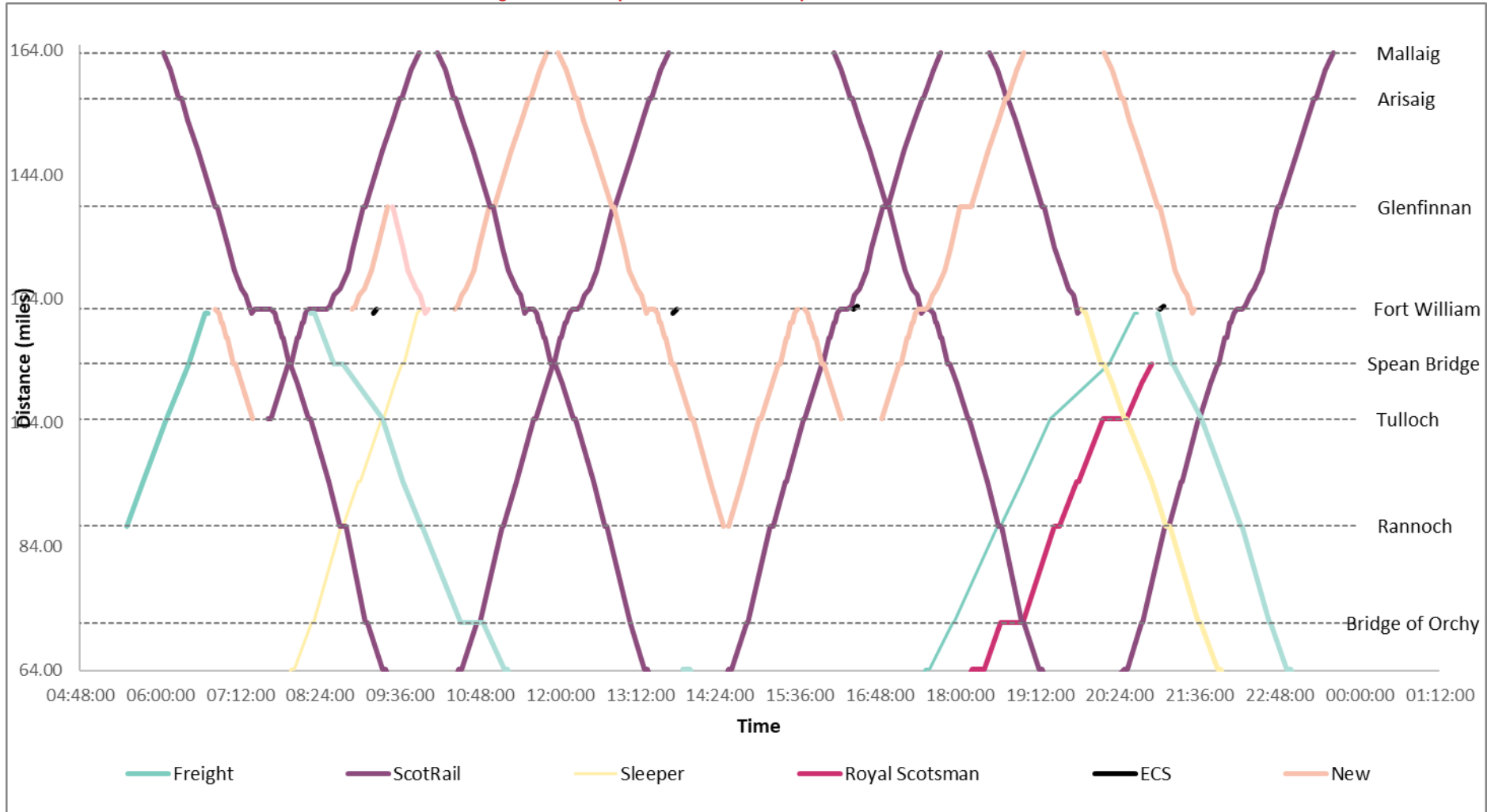
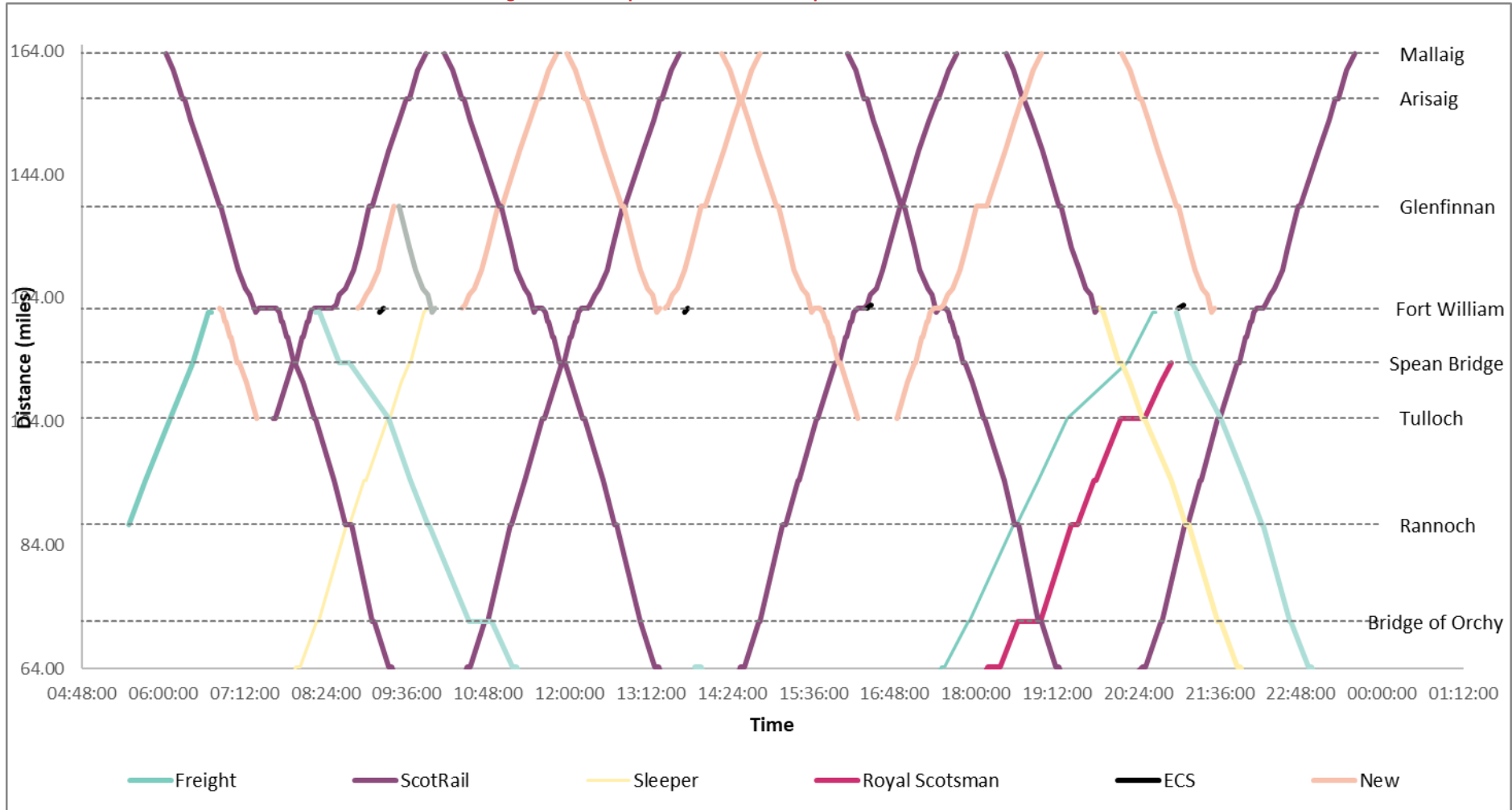


Figure 11. Option 6b Timetable Graph



SYSTRA provides advice on transport, to central, regional and local government, agencies, developers, operators and financiers.

A diverse group of results-oriented people, we are part of a strong team of professionals worldwide. Through client business planning, customer research and strategy development we create solutions that work for real people in the real world.

For more information visit www.systra.co.uk

Birmingham – Newhall Street

5th Floor, Lancaster House, Newhall St,
Birmingham, B3 1NQ
T: +44 (0)121 393 4841

Birmingham – Edmund Gardens

1 Edmund Gardens, 121 Edmund Street,
Birmingham B3 2HJ
T: +44 (0)121 393 4841

Dublin

2nd Floor, Riverview House, 21-23 City Quay
Dublin 2, Ireland
T: +353 (0) 1 566 2028

Edinburgh – Thistle Street

Prospect House, 5 Thistle Street, Edinburgh EH2 1DF
United Kingdom
T: +44 (0)131 460 1847

Glasgow – St Vincent St

Seventh Floor, 124 St Vincent Street
Glasgow G2 5HF United Kingdom
T: +44 (0)141 468 4205

Leeds

100 Wellington Street, Leeds, LS1 1BA
T: +44 (0)113 360 4842

Liverpool

5th Floor, Horton House, Exchange Flags, Liverpool,
United Kingdom, L2 3PF
T: +44 (0)151 607 2278

London

3rd Floor, 5 Old Bailey, London EC4M 7BA United Kingdom
T: +44 (0)20 3855 0079

Manchester – 16th Floor, City Tower

16th Floor, City Tower, Piccadilly Plaza
Manchester M1 4BT United Kingdom
T: +44 (0)161 504 5026

Newcastle

Floor B, South Corridor, Milburn House, Dean Street, Newcastle, NE1
1LE
United Kingdom
T: +44 (0)191 249 3816

Perth

13 Rose Terrace, Perth PH1 5HA
T: +44 (0)131 460 1847

Reading

Soane Point, 6-8 Market Place, Reading,
Berkshire, RG1 2EG
T: +44 (0)118 206 0220

Woking

Dukes Court, Duke Street
Woking, Surrey GU21 5BH United Kingdom
T: +44 (0)1483 357705

Other locations:

France:

Bordeaux, Lille, Lyon, Marseille, Paris

Northern Europe:

Astana, Copenhagen, Kiev, London, Moscow, Riga, Wroclaw

Southern Europe & Mediterranean: Algiers, Baku, Bucharest,

Madrid, Rabat, Rome, Sofia, Tunis

Middle East:

Cairo, Dubai, Riyadh

Asia Pacific:

Bangkok, Beijing, Brisbane, Delhi, Hanoi, Hong Kong, Manila,
Seoul, Shanghai, Singapore, Shenzhen, Taipei

Africa:

Abidjan, Douala, Johannesburg, Kinshasa, Libreville, Nairobi

Latin America:

Lima, Mexico, Rio de Janeiro, Santiago, São Paulo

North America:

Little Falls, Los Angeles, Montreal, New-York, Philadelphia,
Washington

The SYSTRA logo is displayed in a bold, red, sans-serif typeface. The letters are thick and closely spaced, with a modern, slightly geometric feel. The 'Y' and 'S' are particularly prominent due to their size and shape.