



Transport Connected Bus Program

Quick Reference Guide (QRG)

Generate a Detail Report in Traffic Studio v0.1

Contents

Overview	1
How to compare planned and actual route data	1
How to Generate a Report in Traffic Studio	2
Minimise Tool Windows to get more screen space	3
Glossary of Detail Report terms.....	7
Who do I contact if I have more questions?	8

Overview

Bus Operators and TfNSW Contract Managers can use Traffic Studio to validate reports, seek data on various scenarios to answer queries and investigate events.

How to compare planned and actual route data

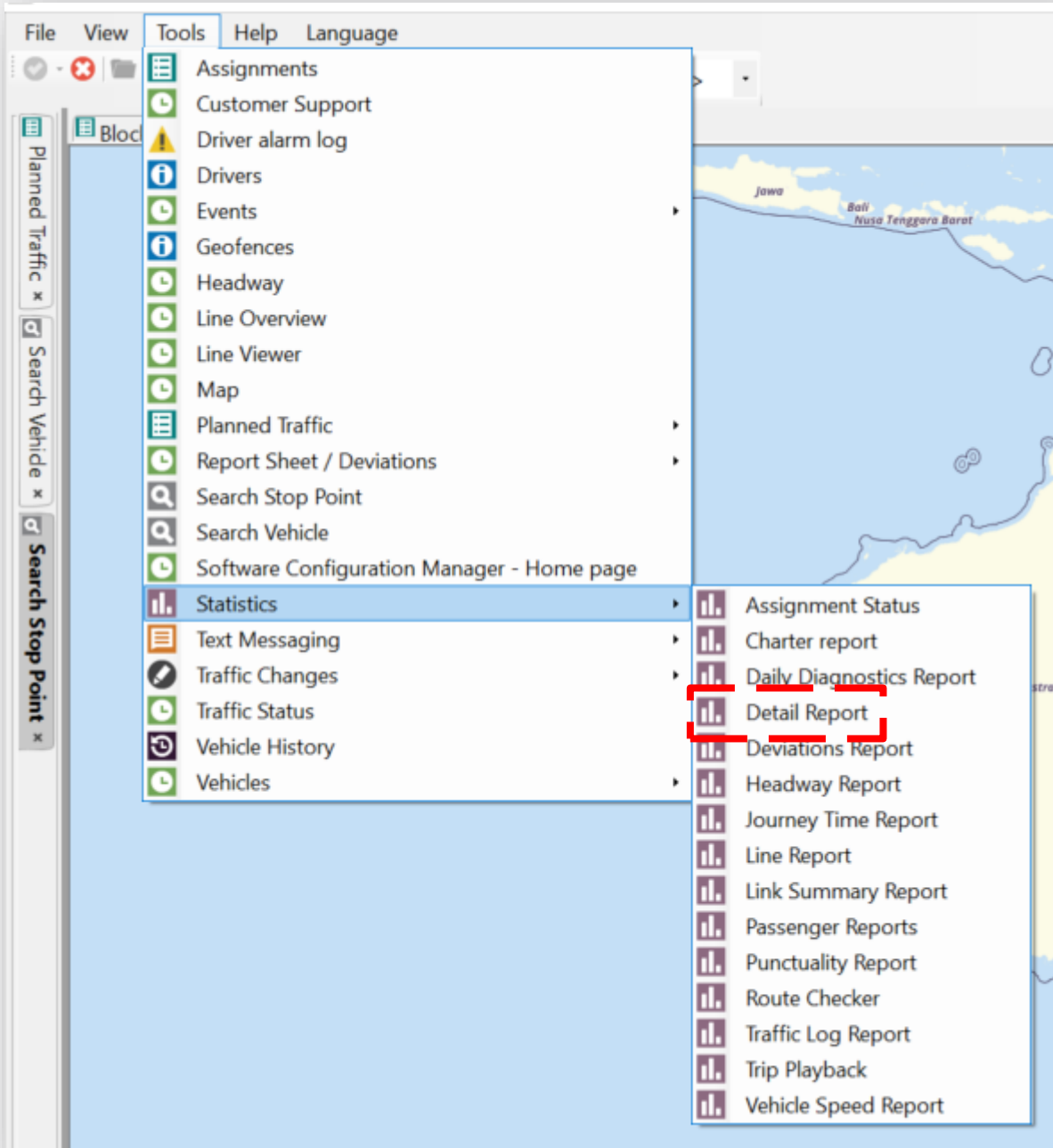
Bus Operators and Contract Managers require detailed information of planned vs actual route data, which is found via a Detail Report.

There is provision to examine historical route data to confirm activities enroute.

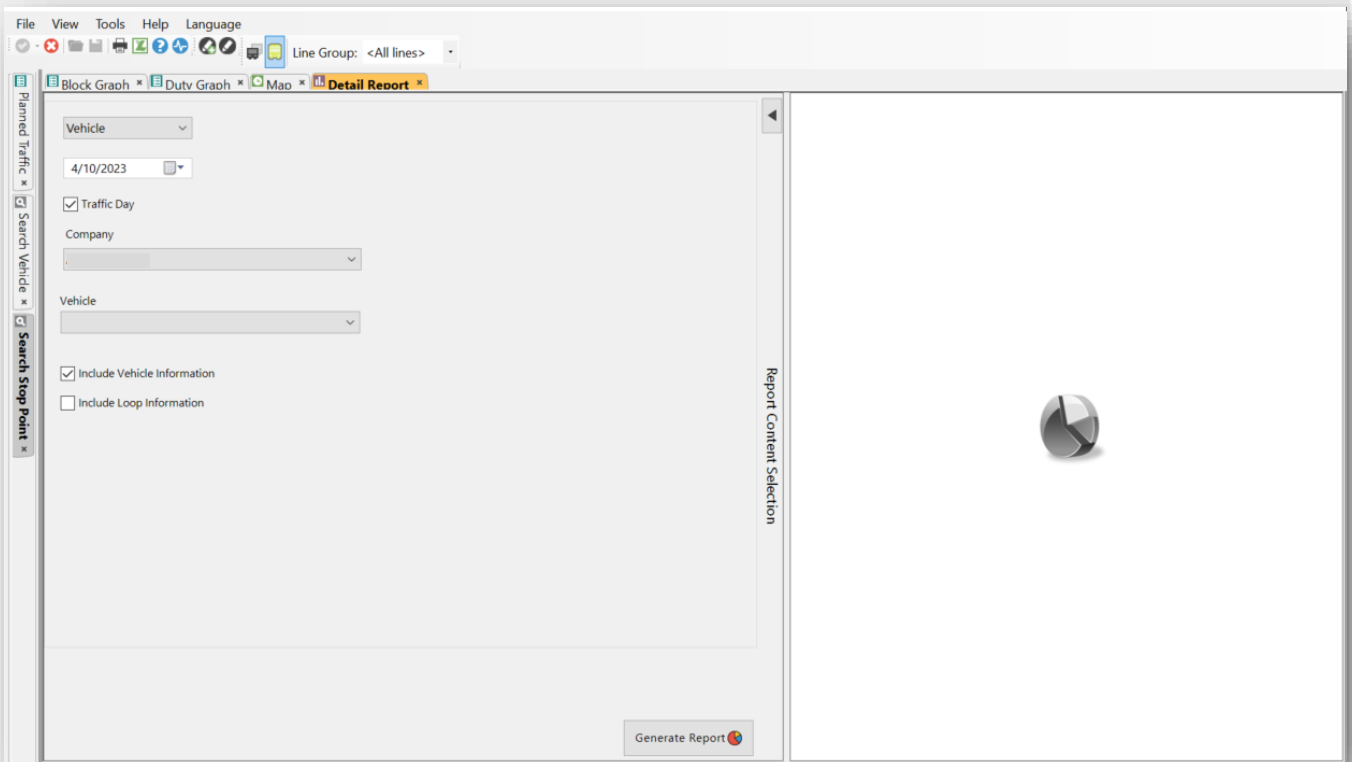
How to Generate a Report in Traffic Studio

A Detail Report gives a detailed view of a Vehicle, Block, Line/Journey or Duty. The report details each activity on the journey.

Step 1 - Select Tools – Statistics – Detail Report



The **Detail Report** screen appears.



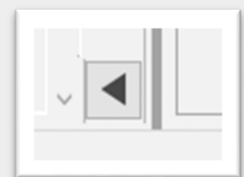
Note: The Detail Report screen is divided into two sections. **The left window is where you define your parameters** for the report you require, and **on the right is where the report will appear.**

Minimise Tool Windows to get more screen space

Before you begin working with the Detail Report (or any Traffic Studio report), you can minimise the **Left Tool Window** and the **Bottom Tool Window** to give yourself more space to work and more screen space to see the full report, when you have generated it.

Click the **black arrow** in the Left Tool Window to minimise the window, click the **black arrow** in the Bottom Tool Window to minimise it.

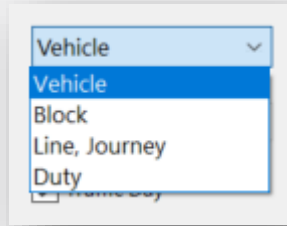
This can be adapted as a standard procedure for using any of the reports in Traffic Studio.



Note: Those black arrows will remain visible on your screen.

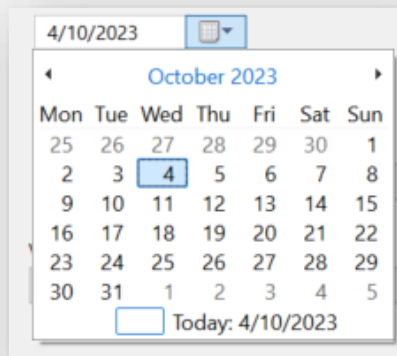
To maximise/restore the Left Tool Window and the Bottom Tool Window, click on those arrows again to restore your view of those tools.

Step 2 – Select either **Vehicle**, **Block**, **Line/Journey** or **Duty**.



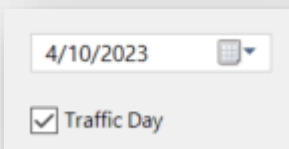
A dropdown menu with a light blue header and a white body. The header contains the text "Vehicle" and a downward arrow. The body lists the following options: "Vehicle" (highlighted in blue), "Block", "Line, Journey", and "Duty".

Step 3 – Select the **date** for your report.

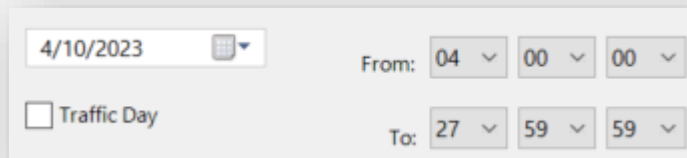


A calendar interface for October 2023. At the top, the date "4/10/2023" is displayed next to a calendar icon. Below this, the month "October 2023" is centered. The calendar grid shows days of the week (Mon to Sun) and dates. The date "4" is highlighted with a blue border. At the bottom, there is a checkbox labeled "Today: 4/10/2023".

Step 4 – Either leave **Traffic Day** checked, to view data for the whole day or uncheck and manually select the desired time period.



A form with a date field containing "4/10/2023" and a calendar icon. Below the date field is a checkbox labeled "Traffic Day" which is checked.

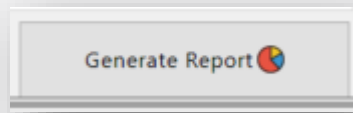


A form with a date field containing "4/10/2023" and a calendar icon. To the right of the date field are two sets of time selection controls. The first set is labeled "From:" and has three dropdown menus with values "04", "00", and "00". The second set is labeled "To:" and has three dropdown menus with values "27", "59", and "59". Below the date field is an unchecked checkbox labeled "Traffic Day".

Step 4 – Your company name will populate automatically. Select the **Vehicle, Block, Line/Journey or Duty** from the list.

Company
 Vehicle: 3243
 Include Vehicle Information
 Include Loop Information

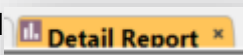
Step 7 - Click **Generate Report** to generate the report.



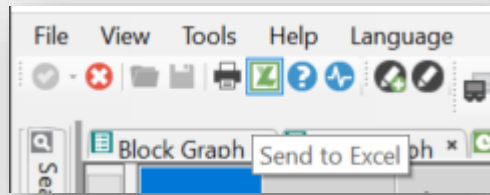
Step 8 - The report now will load with your contract's data.

Line	Journey	Journey Status	Block	Assignment Block	Duty	Vehicle	Destination	Stop Point	Stop Point ID	Event	Distance	Deviation	Stay Time	Sign Control	Onboard	In	Out	Passengers valid	Valid tags stisti	Difference	Vehicle Date	Vehicle Time	Sequence Number
	Between			0		1515				GPS heading		-00:02:15							OK	0s, 120ms	2023-09-05	15:03:45	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		Time deviation update	At Stop, 0	-00:02:14							OK	0s, 73ms	2023-09-05	15:03:46	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		Passenger Counter	At Stop, 0	-00:02:14							OK	0s, 67ms	2023-09-05	15:03:46	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		Journey Update	At Stop, 0	-00:01:58							OK	0s, 97ms	2023-09-05	15:04:02	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		Door open	At Stop, 1	-00:01:56							OK	0s, 80ms	2023-09-05	15:04:05	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		Time deviation update	At Stop, 0	-00:01:27							OK	0s, 70ms	2023-09-05	15:04:33	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		Time deviation update	At Stop, 0	-00:00:56							OK	0s, 57ms	2023-09-05	15:05:04	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		Time deviation update	At Stop, 0	-00:00:25							OK	0s, 20ms	2023-09-05	15:05:35	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		Time deviation update	At Stop, 0	00:00:06							OK	0s, 80ms	2023-09-05	15:06:06	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		Time deviation update	At Stop, 0	00:00:37							OK	0s, 10ms	2023-09-05	15:06:37	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		Time deviation update	At Stop, 0	00:01:08							OK	0s, 26ms	2023-09-05	15:07:08	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		Time deviation update	At Stop, 0	00:01:39							OK	0s, -20ms	2023-09-05	15:07:39	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		Time deviation update	At Stop, 0	00:02:10							OK	0s, 940ms	2023-09-05	15:08:10	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		Time deviation update	At Stop, 0	00:02:41							OK	0s, 450ms	2023-09-05	15:08:41	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		Door close	At Stop, 0	00:03:07							OK	0s, -87ms	2023-09-05	15:09:01	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		Time deviation update	At Stop, 0	00:03:12							OK	0s, 57ms	2023-09-05	15:09:12	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		Leaving stop (pre-dep.)	At Stop, Leaving stop...	00:03:13							OK	0s, -63ms	2023-09-05	15:09:13	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		GPS heading	At Stop, Leaving stop...	00:03:22							OK	0s, -93ms	2023-09-05	15:09:24	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		Stop point departure	Departure Report, 50	00:03:21	00:04:13		8	8 [8]	0 [0]	Valid	OK	0s, -107ms	2023-09-05	15:09:28	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		Passenger Counter	50	00:03:21							OK	0s, -100ms	2023-09-05	15:09:28	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		GPS heading	237	00:03:20							OK	0s, 280ms	2023-09-05	15:09:58	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		Zone state event	237	00:03:20							OK	0s, 273ms	2023-09-05	15:09:58	
100000516	Started		0			1515	Henry St ...	Werris Creek ...		GPS heading	303	00:03:19							OK	0s, -57ms	2023-09-05	15:10:08	
100000516	Started		0			1515	Henry St ...	Werris Creek LI...		GPS heading	At Stop, 14	00:03:18							OK	0s, -103ms	2023-09-05	15:10:19	
100000516	Started		0			1515	Henry St ...	Werris Creek LI...		Stop point pass-by	Stop point pass by, 25	00:03:29							OK	0s, -73ms	2023-09-05	15:10:29	
100000516	Started		0			1515	Henry St ...	Werris Creek LI...		Time deviation update	29	00:04:00							OK	0s, 46ms	2023-09-05	15:11:00	
100000516	Started		0			1515	Henry St ...	Werris Creek LI...		Zone state event	33	00:04:13							OK	0s, -14ms	2023-09-05	15:11:14	
100000516	Started		0			1515	Henry St ...	Werris Creek LI...		Zone state event	45	00:04:18							OK	0s, -106ms	2023-09-05	15:11:19	
100000516	Started		0			1515	Henry St ...	Werris Creek LI...		GPS heading	105	00:04:29							OK	0s, -164ms	2023-09-05	15:11:30	
100000516	Started		0			1515	Henry St ...	Werris Creek LI...		Time deviation update	121	00:04:31							OK	0s, -150ms	2023-09-05	15:11:31	
100000516	Started		0			1515	Henry St ...	Werris Creek LI...		GPS heading	184	00:04:43							OK	0s, -130ms	2023-09-05	15:11:44	
100000516	Started		0			1515	Henry St ...	Henry af Coro...		GPS heading	At Stop, 8	00:04:52							OK	0s, -160ms	2023-09-05	15:11:54	
100000516	Started		0			1515	Henry St ...	Henry af Coro...		Stop point pass-by	Stop point pass by, 25	00:04:53							OK	0s, 434ms	2023-09-05	15:11:58	
100000516	Started		0			1515	Henry St ...	Henry af Coro...		Audio call error	25	00:04:53							OK	0s, 74ms	2023-09-05	15:11:58	
100000516	Started		0			1515	Henry St ...	Henry af Coro...		GPS distance	261	00:04:35							OK	0s, 180ms	2023-09-05	15:12:28	
100000516	Started		0			1515	Henry St ...	Henry af Coro...		Time deviation update	388	00:04:22							OK	0s, -173ms	2023-09-05	15:12:39	
100000516	Started		0			1515	Henry St ...	Henry af Coro...		Door open	441	00:04:23							OK	0s, -97ms	2023-09-05	15:12:51	
100000516	Started		0			1515	Henry St ...	Henry af Coro...		Door close	442	00:04:30							OK	0s, -97ms	2023-09-05	15:12:59	
100000516	Started		0			1515	Henry St ...	Henry af Coro...		Unexpected door open	Unexpected Door Op...	00:04:30							OK	0s, -100ms	2023-09-05	15:12:59	
100000516	Started		0			1515	Henry St ...	Henry af Coro...		Passenger Counter	442	00:04:35							OK	0s, -180ms	2023-09-05	15:13:04	
100000516	Started		0			1515	Henry St ...	Henry af Coro...		GPS heading	524	00:04:35							OK	0s, 160ms	2023-09-05	15:13:20	
100000516	Started		0			1515	Henry St ...	Russell St		Stop point pass-by	Stop point pass by, 25	00:04:27			6	0 [0]	2 [2]	Valid	OK	0s, -213ms	2023-09-05	15:13:32	
100000516	Started		0			1515	Henry St ...	Russell St		Audio call error	25	00:04:27							OK	0s, -220ms	2023-09-05	15:13:33	
100000516	Started		0			1515	Henry St ...	Russell St		GPS heading	119	00:04:22							OK	0s, -237ms	2023-09-05	15:13:47	

When you have finished with the report, you can close it by clicking on the **X** in the **Detail Report** orange highlighted



Step 9 - If you wish to keep and perform statistical analysis of the data, click the **export to Excel button** in the function bar.



Step 10 – Choose **where** to save your file.

Step 11 - Open the **Excel file**. The spreadsheet can be manipulated using the standard statistical and data sorting tools found in Excel.

Line	Journey	Journey Status	Block	Assignment Block	Duty	Vehicle	Destination	Stop Point	Stop Point ID	Event	Distance
146		Started		0			Henry St before Poole	Werris Creek PS		Passenger Counter	At Stop, 0
147		Started		0			Henry St before Poole	Werris Creek PS		Journey Update	At Stop, 0
148		Started		0			Henry St before Poole	Werris Creek PS		Door open	At Stop, 1
149		Started		0			Henry St before Poole	Werris Creek PS		Time deviation update	At Stop, 0
150		Started		0			Henry St before Poole	Werris Creek PS		Time deviation update	At Stop, 0
151		Started		0			Henry St before Poole	Werris Creek PS		Time deviation update	At Stop, 0
152		Started		0			Henry St before Poole	Werris Creek PS		Time deviation update	At Stop, 0
153		Started		0			Henry St before Poole	Werris Creek PS		Time deviation update	At Stop, 0
154		Started		0			Henry St before Poole	Werris Creek PS		Time deviation update	At Stop, 0
155		Started		0			Henry St before Poole	Werris Creek PS		Time deviation update	At Stop, 0
156		Started		0			Henry St before Poole	Werris Creek PS		Time deviation update	At Stop, 0
157		Started		0			Henry St before Poole	Werris Creek PS		Time deviation update	At Stop, 0
158		Started		0			Henry St before Poole	Werris Creek PS		Door close	At Stop, 0
159		Started		0			Henry St before Poole	Werris Creek PS		Time deviation update	At Stop, 0
160		Started		0			Henry St before Poole	Werris Creek PS		Leaving stop (pre-depart)	At Stop, Leaving stop, 0
161		Started		0			Henry St before Poole	Werris Creek PS		GPS heading	At Stop, Leaving stop, 24
162		Started		0			Henry St before Poole	Werris Creek PS		Stop point departure	Departure Report, 50
163		Started		0			Henry St before Poole	Werris Creek PS		Passenger Counter	50
164		Started		0			Henry St before Poole	Werris Creek PS		GPS heading	237
165		Started		0			Henry St before Poole	Werris Creek PS		Zone state event	237
166		Started		0			Henry St before Poole	Werris Creek PS		GPS heading	303
167		Started		0			Henry St before Poole	Werris Creek Library		GPS heading	At Stop, 14
168		Started		0			Henry St before Poole	Werris Creek Library		Stop point pass-by	Stop point pass by, 25
169		Started		0			Henry St before Poole	Werris Creek Library		Time deviation update	29
170		Started		0			Henry St before Poole	Werris Creek Library		Zone state event	33
171		Started		0			Henry St before Poole	Werris Creek Library		Zone state event	45
172		Started		0			Henry St before Poole	Werris Creek Library		GPS heading	105
173		Started		0			Henry St before Poole	Werris Creek Library		Time deviation update	121
174		Started		0			Henry St before Poole	Werris Creek Library		GPS heading	184
175		Started		0			Henry St before Poole	Henry af Coronation		GPS heading	At Stop, 8
176		Started		0			Henry St before Poole	Henry af Coronation		Stop point pass-by	Stop point pass by, 25
177		Started		0			Henry St before Poole	Henry af Coronation		Audio call error	25
178		Started		0			Henry St before Poole	Henry af Coronation		GPS distance	261
179		Started		0			Henry St before Poole	Henry af Coronation		Time deviation update	388

Glossary of Detail Report terms

Line	Journey	Journey Status	Block	Assignment Block	Duty	Driver	Vehicle	Destination	Stop Point	Stop Point ID	Event	Distance	Deviation	Stay Time	Sign Control	Onboard	In	Out	Passengers valid	Valid flags statistics	Radio	System Date	Difference	Vehicle Date
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Label	Contains
Line	Route number e.g. S133 or S253
Journey	The Trip ID is created by the operator – each journey is a unique number e.g., 1000000445 or 100793759
Journey Status	Status of the journey, either: <ul style="list-style-type: none"> - Between (traveling to/from trip) - Started (currently on a trip) - Ended (trip complete)
Block	Block associated with this trip e.g., AM33 or PM677
Assignment Block	N/A
Duty	Duty associated with this trip e.g., AM33 or PM677
Driver	Name of driver who logged into the driver console
Vehicle	Vehicle number e.g., 1515 or 8078
Destination	Trip destination
Stop Point	Stop point on the route
Stop Point ID	ID of Stop Point
Event	Actions including door open, door close, passenger counter triggered, stop point pass-by, and more
Distance	Distance to next stop
Deviation	The deviation between the timetable and actual event, with a colour-coded category (early: -1 min 59 seconds, late: 5 mins 59 seconds) <ul style="list-style-type: none"> o Red = early o No colour = on time o Blue = late

Stay Time	The time spent at the stop
Sign Control	N/A
Onboard	Number of passengers currently onboard the vehicle
In	Number of passengers who entered the vehicle
Out	Number of passengers who departed the vehicle

Who do I contact if I have more questions?

If you have any questions or concerns, please: email TCB.Team@transport.nsw.gov.au

If you are not yet live with TCB; or [raise a ticket via OT Connect](#) if you are already live with TCB.