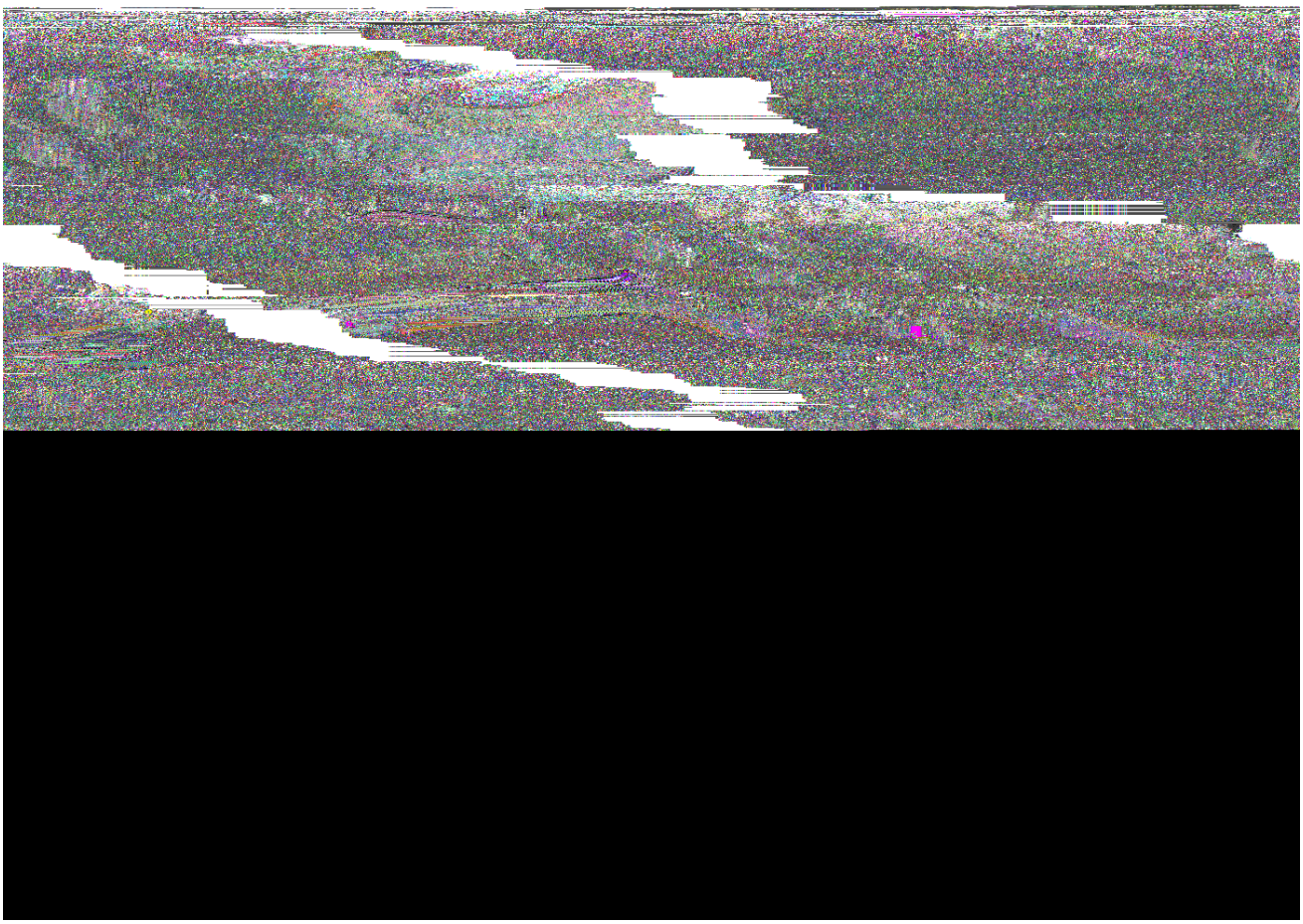
Network Diagrams



A1 - 2015 Base AM
D1 - 2015 Base AM*

Summary

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Traffic Stream Data	Arm 302 - Traffic Stream 2	Arm 302 - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm 302 - Traffic Stream 3	Arm 302 - Traffic Stream 3 is over 200m. Recommend the use of PDM to model platooning effects.

Run Summary

Analysis set used	Run start time	Run finish time	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Ite wit wor over PR
1	18/10/2021 14:11:52	18/10/2021 14:11:52	08:00	60	1864.89	121.37	109.11	302/2	4	15	302/2	401/1	302

Analysis Set Details

Name	Description	Demand set	Include in report	Locked
2015 Base AM		D1	ü	

Demand Set Details

Name	Description	Composite	Demand sets	Start time (HH:mm)	Locked
2015 Base AM				08:00	

Local OD Matrix - Local Matrix: 1

Local Matrix Options

OD Matrix	Name	

Normal Input Flows (PCU/hr)

Bus Input Flows not shown as they are blank.

Tram Input Flows not shown as they are blank.

Pedestrian Input Flows not shown as they are blank.

Locations

OD Matrix	Location	Name	Entries	Exits	Colour
1	1	A2011	102/2, 102/3	121/1, 121/2	#0000FF
	2	M23 Southbound Off-slip	202/2, 202/3	221/1, 221/2	#FF0000
	3	Copthorne Way	302/3, 302/2	322/1	#00FF00
	4	M23 Northbound Off--			

Normal Paths and Flows

Signal Timings

Network Default: 60s cycle time; 60 steps

Intergreen Matrix for Controller Stream 1

Resultant Stages

Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
102	2	1	1	B	36	8	32
102	3	1	1	B	36	8	32
111	1						

Phase Timings Diagram for Controller Stream 1

Stage Sequence Diagram for Controller Stream 1

Intergreen Matrix for Controller Stream 2

Resultant Stages

Traffic Stream Green Times

Phase Timings Diagram for Controller Stream 2

Stage Sequence Diagram for Controller Stream 2

Intergreen Matrix for Controller Stream 3

Resultant Stages

Traffic Stream Green Times

Phase Timings Diagram for Controller Stream 3

Stage Sequence Diagram for Controller Stream 3

Intergreen Matrix for Controller Stream 4

Resultant Stages

Traffic Stream Green Times

Final Prediction Table

Traffic Stream Results

Network Results

- *< = adjusted flow warning (upstream links/traffic streams are over-saturated)*
- ** = Traffic Stream - Normal, Bus or Tram Stop or Delay weighting has been set to a value other than 100%*
- *^ = Traffic Stream - Normal, Bus or Tram Stop or Delay Path weighting has been set to a value other than 100%*
- *+ = average link/traffic stream excess queue is greater than 0*
- ***P.I. = PERFORMANCE INDEX***

A2 - 2015 Base PM
D2 - 2015 Base PM*

Summary

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Traffic Stream Data	Arm 302 - Traffic Stream 2	Arm 302 - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm 302 - Traffic Stream 3	Arm 302 - Traffic Stream 3 is over 200m. Recommend the use of PDM to model platooning effects.

Run Summary

Analysis set used	Run start time	Run finish time	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	

Analysis Set Details

Demand Set Details

Local OD Matrix - Local Matrix: 1

Local Matrix Options

Normal Input Flows (PCU/hr)

Bus Input Flows not shown as they are blank.

Tram Input Flows not shown as they are blank.

Pedestrian Input Flows not shown as they are blank.

Locations

OD Matrix	Location	Name	Entries	Exits	Colour
1	1	A2011	102/2, 102/3	121/1, 121/2	#0000FF
	2	M23 Southbound Off-slip	202/2, 202/3	221/1, 221/2	#FF0000
	3	Copthorne Way	302/3, 302/2		

Normal Paths and Flows

Signal Timings

Network Default: 60s cycle time; 60 steps

Intergreen Matrix for Controller Stream 1

Resultant Stages

Traffic Stream Green Times

Phase Timings Diagram for Controller Stream 1

Stage Sequence Diagram for Controller Stream 1

Intergreen Matrix for Controller Stream 2

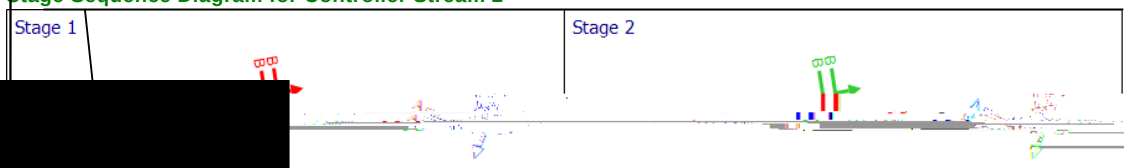
Resultant Stages

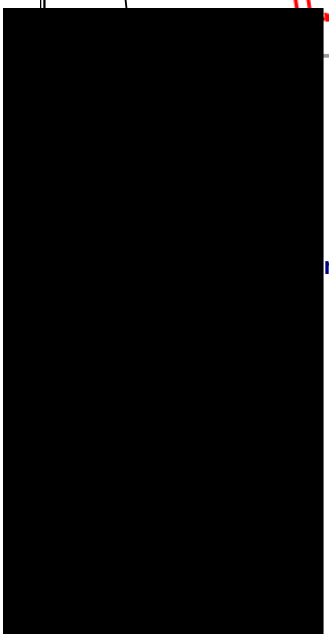
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
202	**2**	2	2	B	11	40	29
202	**3**	2	2	B	11	40	29
211	**1**	2	2	A	45	6	21
211	**2**	2	2	A	45	6	21

Phase Timings Diagram for Controller Stream 2

Stage Sequence Diagram for Controller Stream 2





ntroller Stream 3

Traffic Stream Results

Traffic Stream Results: Vehicle summary

Time Segment	Arm	Traffic Stream	Degree of saturation (%)	Practical reserve capacity (%)	Calculated

Final Prediction Table

Traffic Stream Results

Network Results

- *< = adjusted flow warning (upstream links/traffic streams are over-saturated)*
- ** = Traffic Stream - Normal, Bus or Tram Stop or Delay weighting has been set to a value other than 100%*
- *^ = Traffic Stream - Normal, Bus or Tram Stop or Delay Path weighting has been set to a value other than 100%*
- *+ = average link/traffic stream excess queue is greater than 0*
- ***P.I. = PERFORMANCE INDEX***