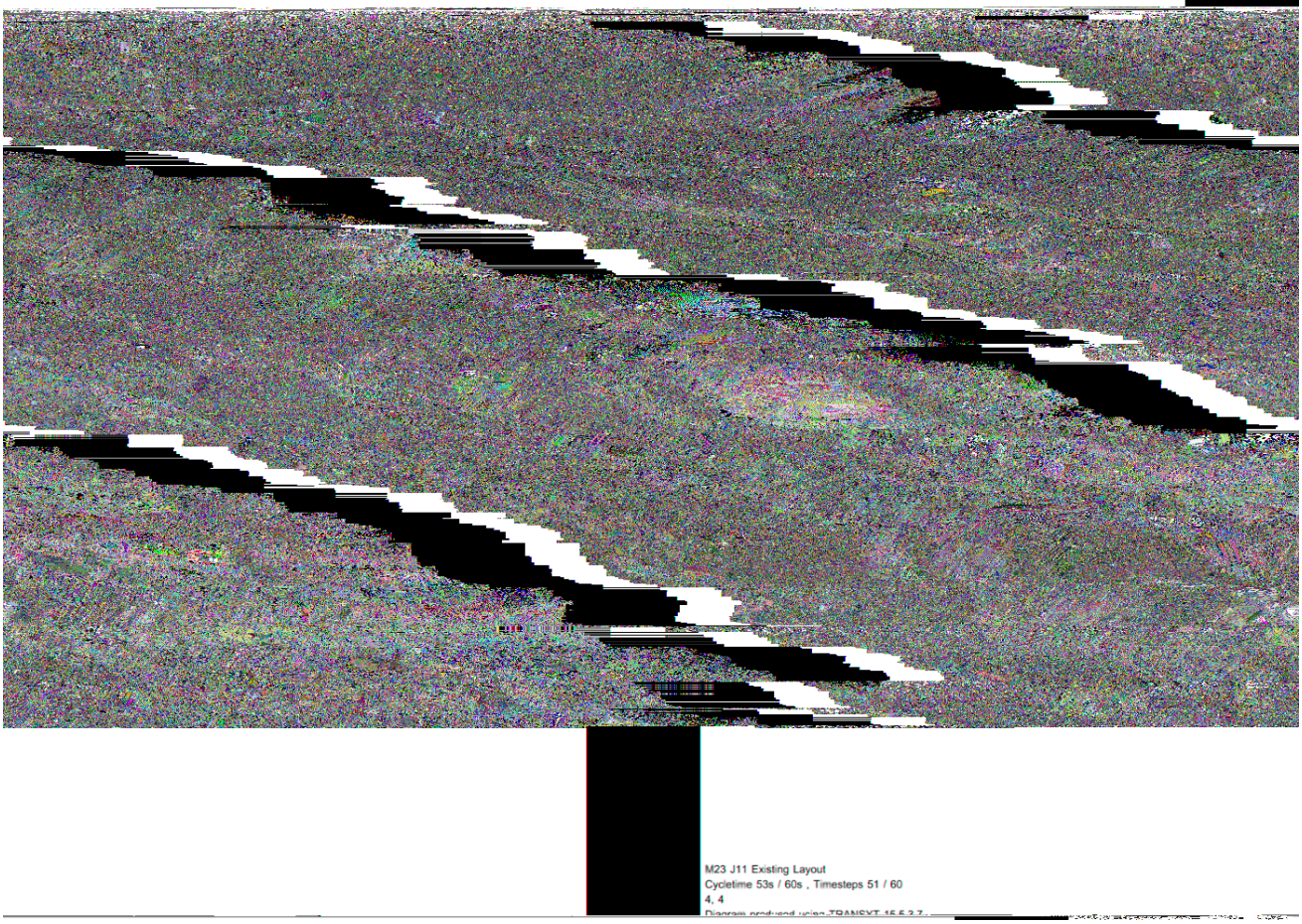
Network Diagrams



A1 - 2015 Base AM
D1 - 2015 Base AM*

Summary

Data Errors and Warnings

Severity

Run Summary

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.

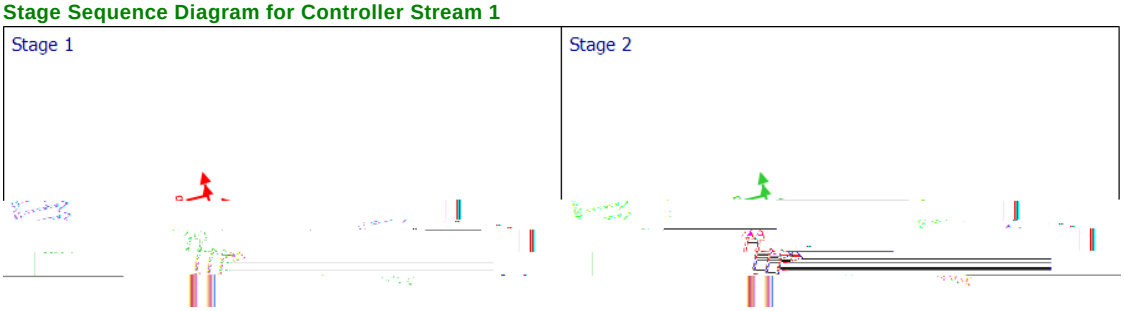
Locations

OD Matrix	Location	Name	Entries	Exits	Colour
1	1	A264	101/1, 101/2	121/1, 121/2	#0000FF
	2	A23	201/1, 201/2	221/1, 221/2	#FF0000
	3	M23 - SB OFF	301/2, 301/1	321/1, 321/2	#00FF00
	4	B2114	401/1, 401/2	421/1, 421/2	#FFFF00
	5	M23 NB Off Slip		521/1, 521/2	#00FFFF

Normal Paths and Flows

OD Matrix	Path	Description	From location	To location	Path items	Allocation type	Normal Calculated Flow (PCU/hr)
1	1		5				

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

Traffic Stream Results

		SIGNALS	FLOWS	PERFORMANCE	PER PCU	QUE
Arm	Traffic Stream					

A2 - 2015 Base PM
D2 - 2015 Base PM*

Summary

Data Errors and Warnings

Run Summary

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.

Signal Timings

Network Default: 60s cycle time; 60 steps

Intergreen Matrix for Controller Stream 1

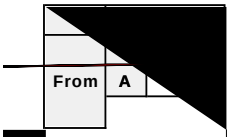
Resultant Stages

Traffic Stream Green Times

Phase Timings Diagram for Controller Stream 1

Stage Sequence Diagram for Controller Stream 1

Intergreen Matrix for Controller Stream 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 Results

Traffic Stream Results: Vehicle summary

Time Segment	Arm	Traffic Stream	Degree of saturation (%)	Practical reserve capacity (%)	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Performance Index (£ per hr)
17:00-18:00	101	1	36	152	691								

Final Prediction Table

Traffic Stream Results

	SIGNALS	FLOWS	PERFORMANCE	PER PCU	QUEU

A3 - 2035 Reference Case AM
D3 - 2035 Reference Case AM*

Summary

Data Errors and Warnings

Severity

Run Summary

Analysis Set Details

Demand Set Details

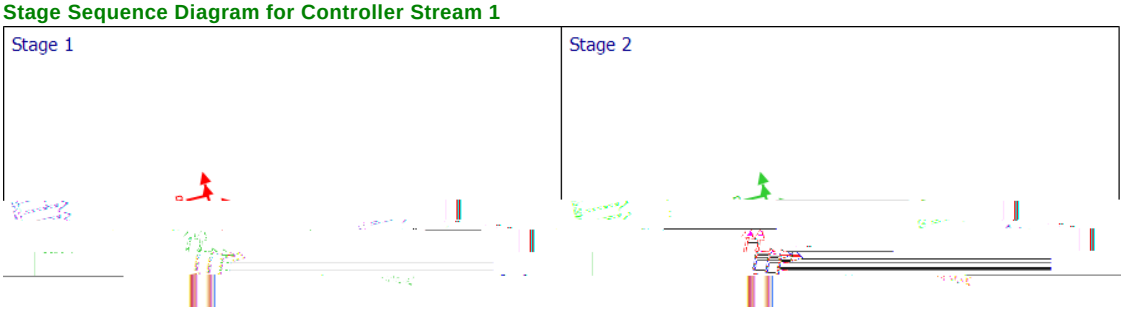
Local OD Matrix - Local Matrix: 1

Local Matrix Options

Normal Input Flows (PCU/hr) 768.00000 17.00000 l 0.00000 17.00000 l h W n q q BT /ExpertPdf_clohgeganjl

Signal Timings

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

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
402	1	4	4	B	2	19	17
402	2	4	4	B	2	19	17
402	3	4	4	B	2	19	17
411	1	4	4	A	25	57	32
411	2	4	4	A	25	57	32

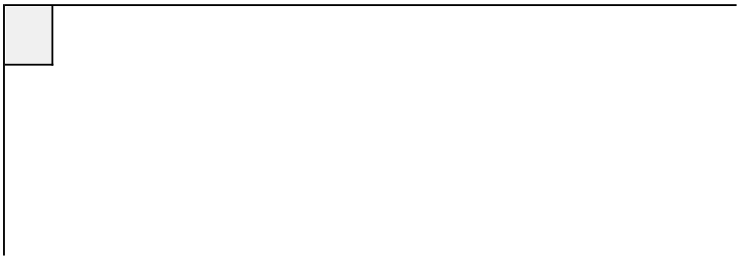
Phase Timings Diagram for Controller Stream 4

Stage Sequence Diagram for Controller Stream 4

Intergreen Matrix for Controller Stream 5

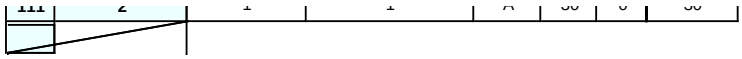
Resultant Stages

Traffic Stream Green Times



Phase Timings Diagram for Controller Stream 5

Stage Sequence Diagram for Controller Stream 5



Phase Timings Diagram for Controller Stream 1

Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	

Phase Timings Diagram for Controller Stream 4

Stage Sequence Diagram for Controller Stream 4

Intergreen Matrix for Controller Stream 5

Resultant Stages

Traffic Stream Results

Traffic Stream Results: Vehicle summary

Time Segment	

Final Prediction Table

401		Road													
	2	B2114 Brighton Road	4			399 <	2114	60	48.67	179	-50	1453.70	1450.56	418.28	163.53 +
402	1	B2114 Brighton Road	4	4	B	404 <	1986	12	0.00	94	-4	124.99	113.53	252.06	17.64 +
	2	B2114 Brighton Road	4	4	B	29	1935	12	12.00	7	1201	31.08	19.12	78.86	0.38
	3	B2114 Brighton Road	4	4	B	399 <	2109	12	0.01	87	3	144.67	132.18	265.69	18.07 +
411	1	B2114 Brighton Road Circulatory	4	4	A	236	1947	37	16.00	19	370	13.12	1.36	44.91	3.27
	2	B2114 Brighton Road Circulatory	4	4	A	716	2073	37	16.00	55	65	14.69	3.53	48.79	8.39
	3	B2114 Brighton Road Circulatory	4	4	A	341	2089	37	22.10	26					

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

401		Road													
	2	B2114 Brighton Road	4			549 <	2114	60	44.41	126	-28	498.73	495.59	287.32	78.94 +
402	**1**	B2114 Brighton Road	4	4	B	414	1986	17	0.00	69	30	37.09	25.63	94.15	6.60
	2	B2114 Brighton Road	4	4	B	19	1935	17	17.00	3	2650	27.12	15.15	70.17	

Network Results

- *< = adjusted flow warning (upstream links/traffic streams are over-saturated)*
- ** = Traffic Stream -*

A6 - LP Scenario 2 With Mit PM
D6 - LP Scenario 2 With Mit PM*

Summary

Data Errors and Warnings

Run Summary

Analysis Set Details

Demand Set Details

Local OD Matrix - Local Matrix: 1

Local Matrix Options

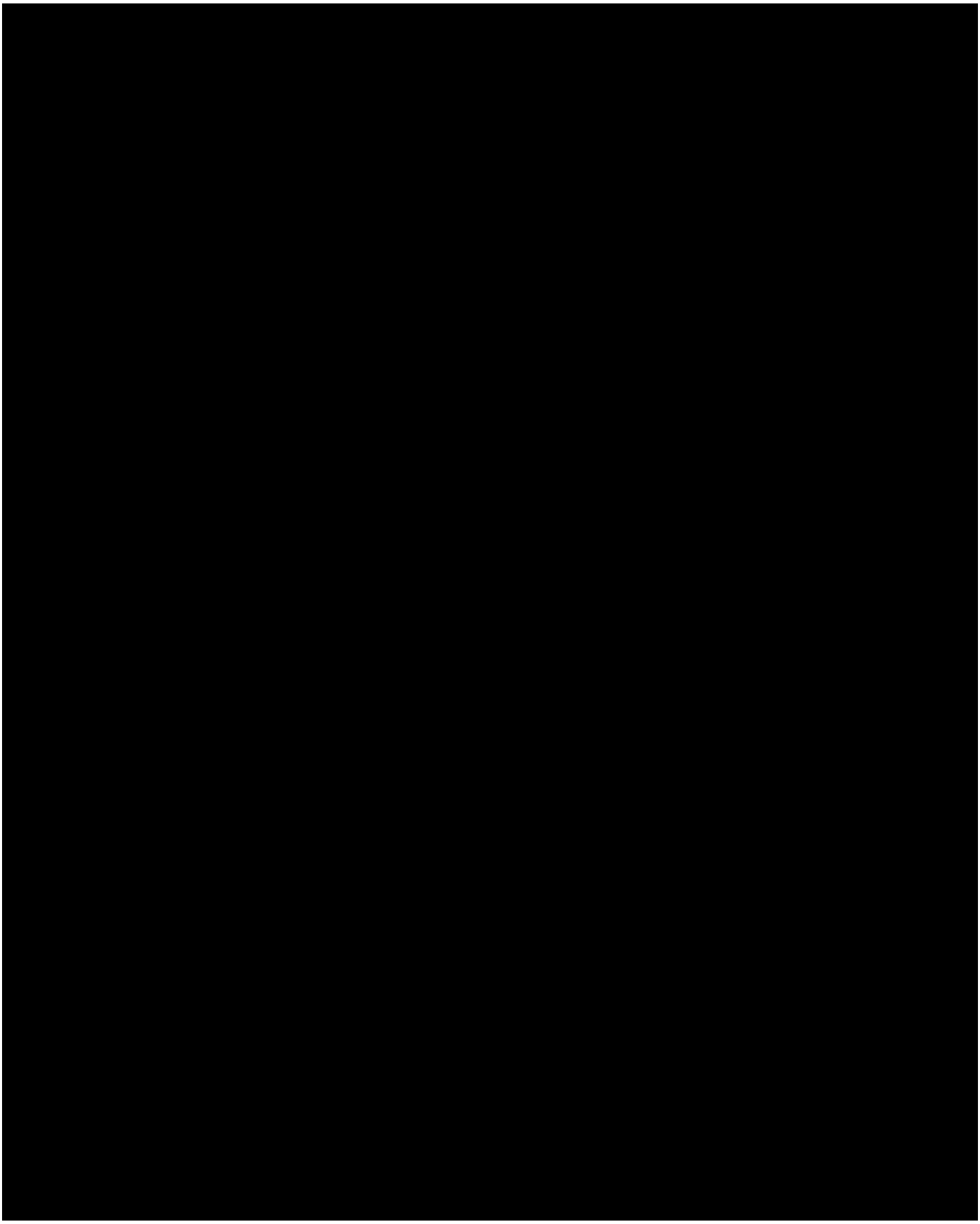
Normal Input Flows (PCU/hr)

Bus Input Flows not shown as they are blank.

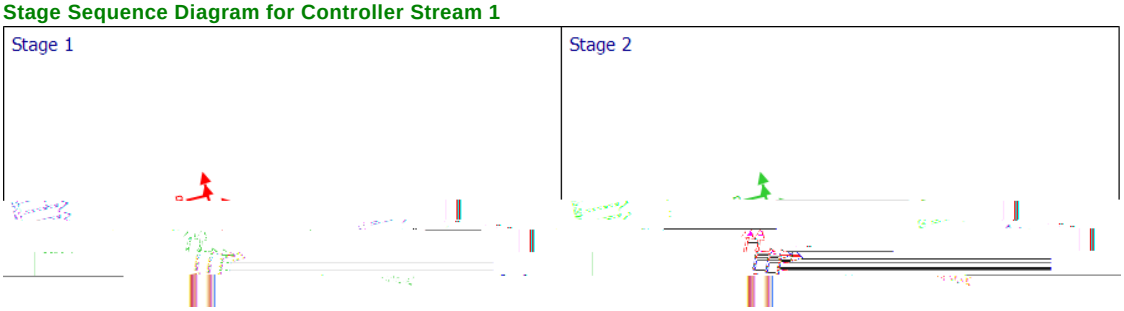
Tram Input Flows not shown as they are blank.

Pedestrian Input Flows not shown as they are blank.

Locations



Stage Sequence Diagram for Controller Stream 1



Intergreen Matrix for Controller Stream 2

		To	
		A	B
From	A		5
	B	5	

Resultant Stages

Controller Stream	Resultant Stage	

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

Phase Timings Diagram for Controller Stream 4

Traffic Stream Green Times

Traffic Stream Results

Traffic Stream Results: Vehicle summary

Time Segment	Arm	Traffic Stream	Degree of saturation (%)	Practical reserve capacity (%)	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Performance Index (

Final Prediction Table

401

Network Results

	Distance travelled (PCU-km/hr)	Time spent (PCU-hr/hr)	Mean journey speed (kph)	Uniform delay (PCU-hr/hr)	Random plus oversat delay (PCU-hr/hr)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Excess queue penalty (£ per hr)	Performance Index (£ per hr)
Normal traffic	3114.15	346.89	8.98	52.00					

- *< = 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***