

TRIP GENERATION

Vehicle Trip Rates

Residential Trip Rates (Local Vehicle Trip Rates)			
Car Drivers	Arrivals	Departures	Two-Way
07:30 - 08:30	0.278	0.569	0.847
17:00 - 18:00	0.486	0.194	0.681

Note: Calculated from a traffic survey of Ambion Way, Burbage

Care Home Trip Rates (TRICS)			
Car Drivers	Arrivals	Departures	Two-Way
08:00 - 09:00	0.073	0.060	0.133
17:00 - 18:00	0.034	0.043	0.077

Proposed Development Vehicle Trip Generation

Proposed Development - Flanders Close Access (55dw)

	Arrivals	Departures	Two-Way
AM Peak Hour	15	31	47
PM Peak Hour	27	11	37

Proposed Development - Care Home (66 beds)

	Arrivals	Departures	Two-Way
AM Peak Hour	5	4	9
PM Peak Hour	2	3	5

Proposed Development - Total

	Arrivals	Departures	Two-Way
AM Peak Hour	125	251	376
PM Peak Hour	213	87	300

Proposed Development - Coventry Road Access (378dw)

	Arrivals	Departures	Two-Way
AM Peak Hour	105	215	320
PM Peak Hour	184	74	257

21390-RLL-25-XX-CA-D-5030 - Land at Burbage Fields Farm Development Trip Calculation Spreadsheet

C:\Users\jsteel\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\LY4TSX5E\[21390-RLL-25-XX-CA-D-5030 - Land at Burbage Fields Farm Development Trip Calculation Spreadsheet.xlsx]Trip Ge

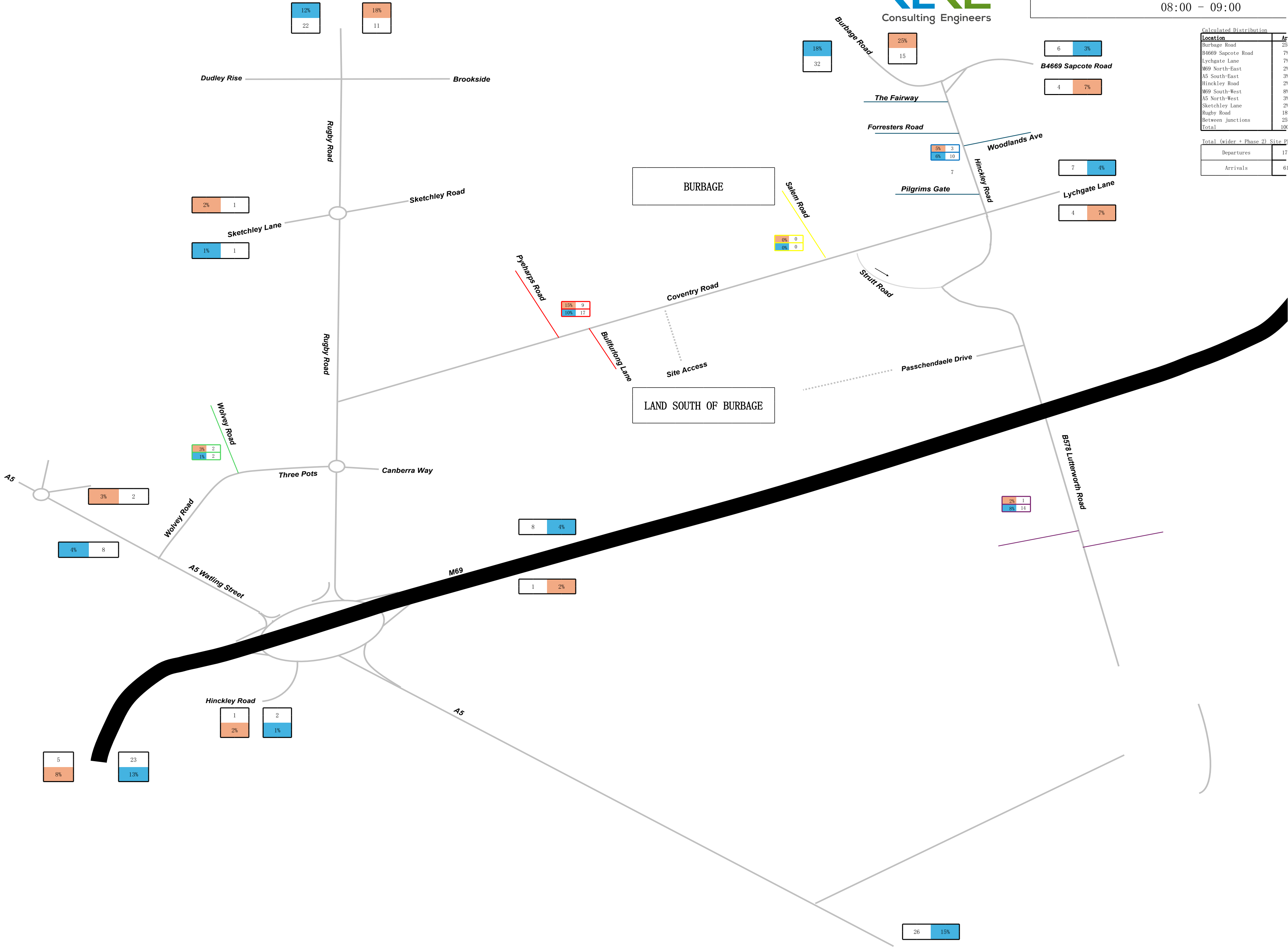


PRTM Residential Distribution Calculations

08:00 - 09:00

Calculated Distribution	
Location	Arrivals
Burbage Road	25
B4669 Sapcote Road	79
Lychgate Lane	79
M69 North-East	29
A5 South-East	39
Hinckley Road	29
M69 South-West	89
A5 North-West	39
Sketchley Lane	29
Rugby Road	18
Between junctions	25
Total	100

Total (wider + Phase 2) Site Predictions	
Departures	17
Arrivals	61



2	3%
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lations

rr	Dep
5%	18%
%	3%
%	4%
%	4%
%	15%
%	1%
%	13%
%	4%
%	1%
%	12%
%	24%
0%	100%

RTM Output	
8	100%
1	100%



B4669 Sapcote Road

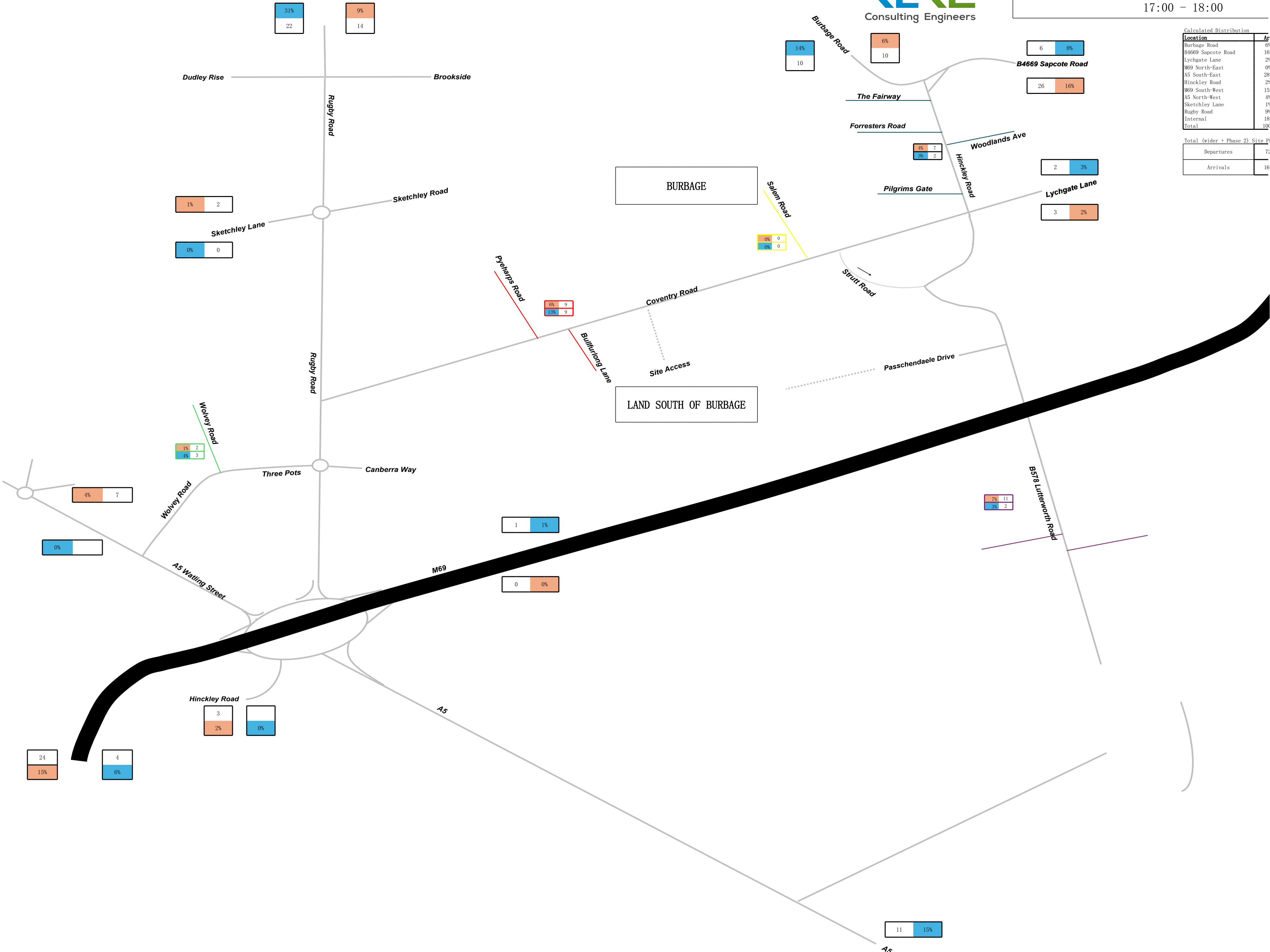


PRTM Residential Distribution Calculations

17:00 - 18:00

Calculated Distribution	
Location	Arrivals
Burbage Road	69
B4669 Sapcote Road	16
Lychgate Lane	23
M69 North-East	09
A5 South-East	28
Hinckley Road	29
M69 South-West	15
A5 North-West	49
Sketchley Lane	19
Rugby Road	99
Internal	18
Total	100

Total (wider + Phase 2) Site Production	
Departures	72
Arrivals	16



lations

rr	Dep
%	14%
%	8%
%	3%
%	1%
%	15%
%	0%
%	6%
%	0%
%	0%
%	31%
%	22%
0%	100%

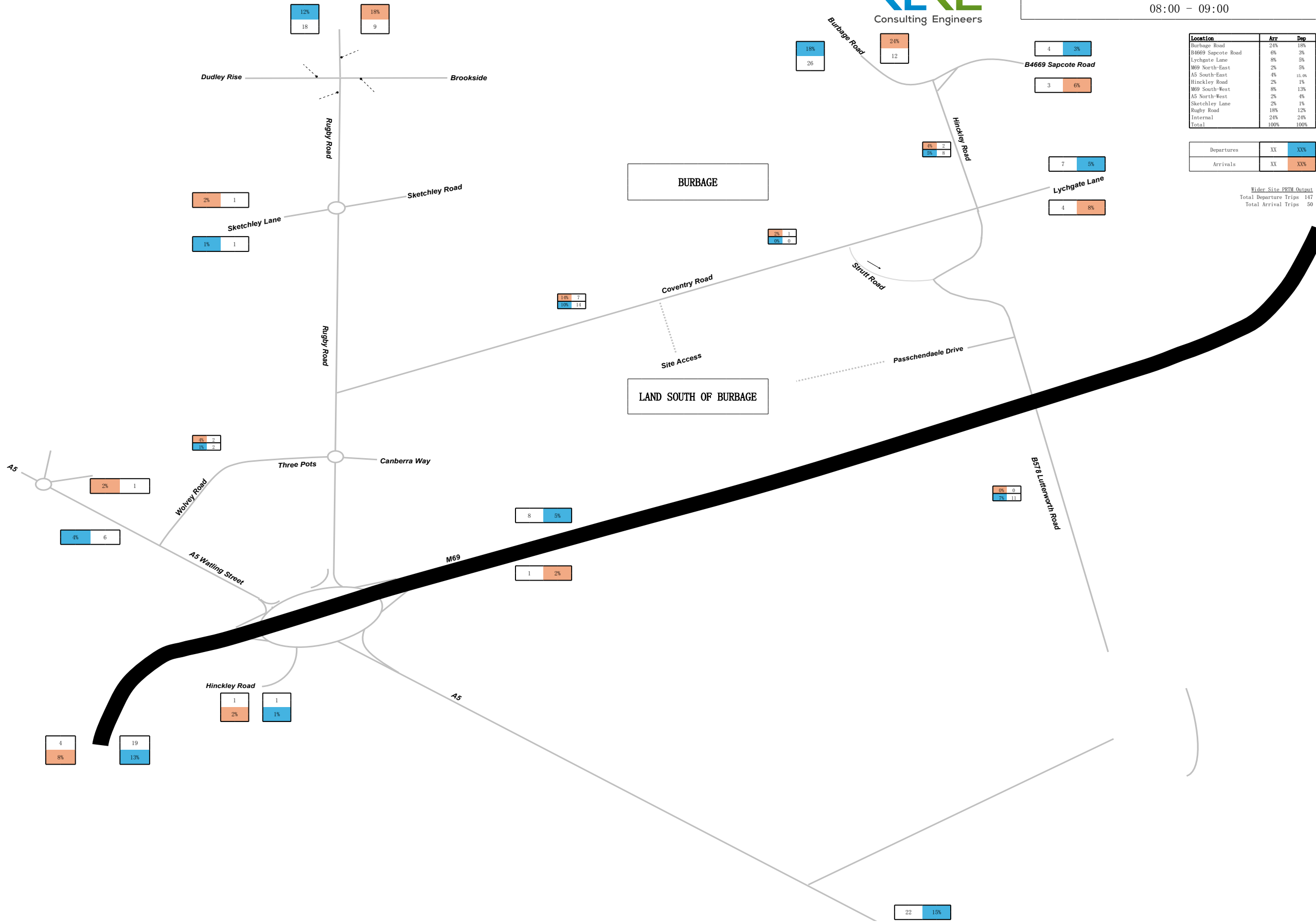
RTM Output	
2	100%
33	100%



Location	Arr	Dep
Burbage Road	24%	18%
B4669 Sapcote Road	6%	3%
Lychgate Lane	8%	5%
M69 North-East	2%	5%
A5 South-East	4%	15.0%
Hinckley Road	2%	1%
M69 South-West	8%	13%
A5 North-West	2%	4%
Sketchley Lane	2%	1%
Rugby Road	18%	12%
Internal	24%	24%
Total	100%	100%

Departures	XX	XX%
Arrivals	XX	XX%

Wider Site PRTM Output
Total Departure Trips 147
Total Arrival Trips 50





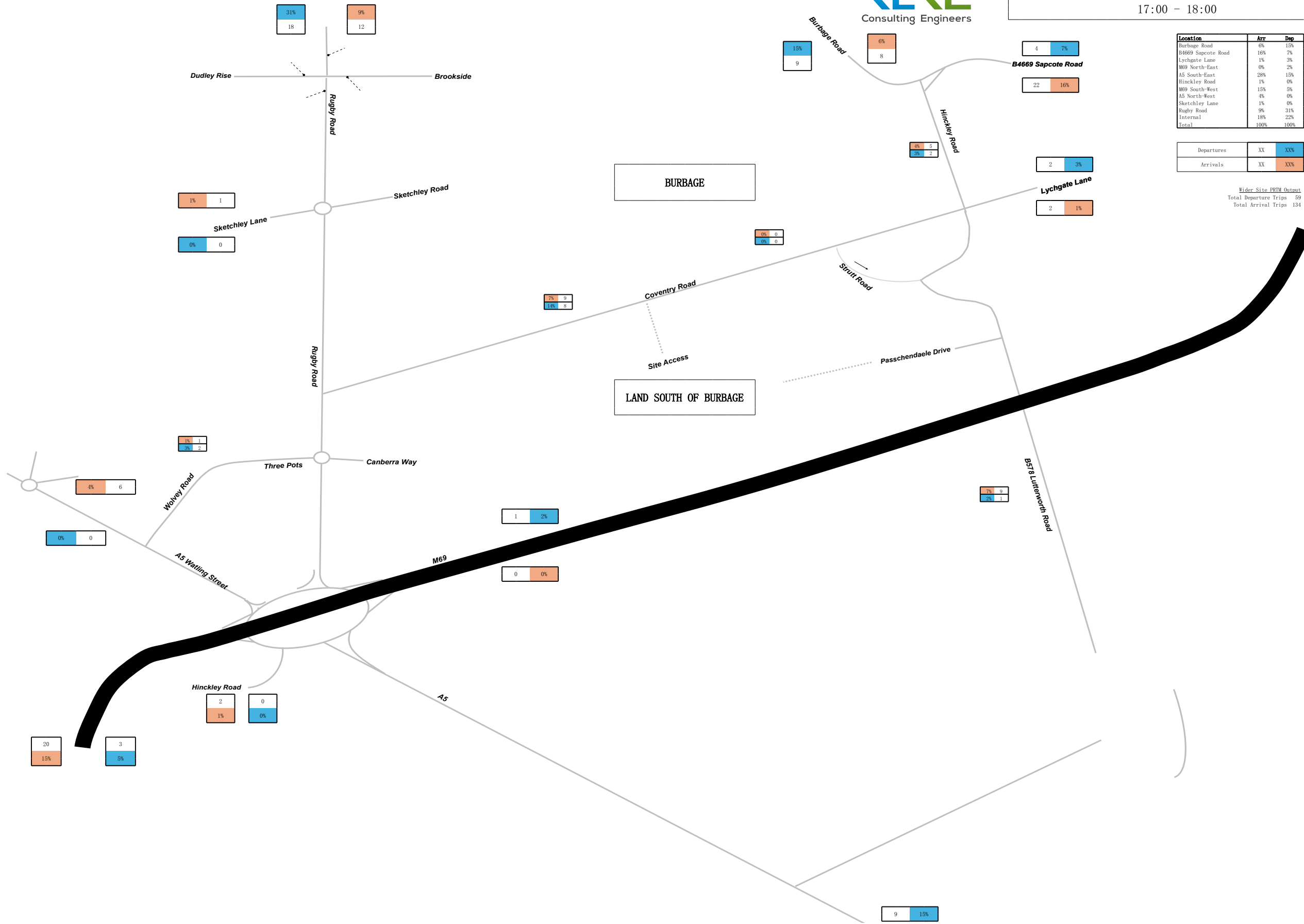
Location	Arr	Dep	Location	Arr	Dep
Barbage Road	27%	19%	Barbage Ro	3%	2%
B4669 Sapcote Road	9%	6%	B4669 Sapc	3%	4%
Lychgate Lane	9%	0%	Lychgate L	1%	-5%
M69 North-East	0%	3%	M69 North-	-2%	-2%
A5 South-East	0%	18.1%	A5 South-E	-4%	1%
Hinckley Road	0%	3%	Hinckley R	-2%	3%
M69 South-West	9%	13%	M69 South-	1%	0%
A5 North-West	0%	3%	A5 North-W	-2%	-1%
Sketchley Lane	0%	0%	Sketchley	-2%	-1%
Rugby Road	18%	13%	Rugby Road	0%	1%
Internal	27%	23%	Internal	3%	-1%
Total	100%	100%	Total	0%	0%



Location	Arr	Dep
Burbage Road	0%	15%
B4669 Sapcote Road	16%	7%
Lychgate Lane	1%	3%
M69 North-East	0%	2%
A5 South-East	28%	15%
Hinckley Road	1%	0%
M69 South-West	15%	5%
A5 North-West	4%	0%
Sketchley Lane	1%	0%
Rugby Road	9%	31%
Internal	18%	22%
Total	100%	100%

Departures	XX	XX%
Arrivals	XX	XX%

Wider Site PRTM Output
Total Departure Trips 59
Total Arrival Trips 134





Location	Arr	Dep	Location	Arr	Dep
Barhage Road	7%	15%	Barhage Ro	1%	0%
B4669 Sapcote Road	17%	8%	B4669 Sapc	1%	1%
Lychgate Lane	0%	0%	Lychgate L	-1%	-3%
M69 North-East	0%	0%	M69 North-	0%	-2%
A5 South-East	28%	15%	A5 South-E	0%	0%
Hinckley Road	3%	0%	Hinckley R	2%	0%
M69 South-West	14%	8%	M69 South-	-1%	3%
A5 North-West	3%	0%	A5 North-W	-1%	0%
Sketchley Lane	0%	0%	Sketchley	-1%	0%
Rugby Road	10%	31%	Rugby Road	1%	0%
Internal	17%	23%	Internal	-1%	1%
Total	100%	100%	Total	0%	0%





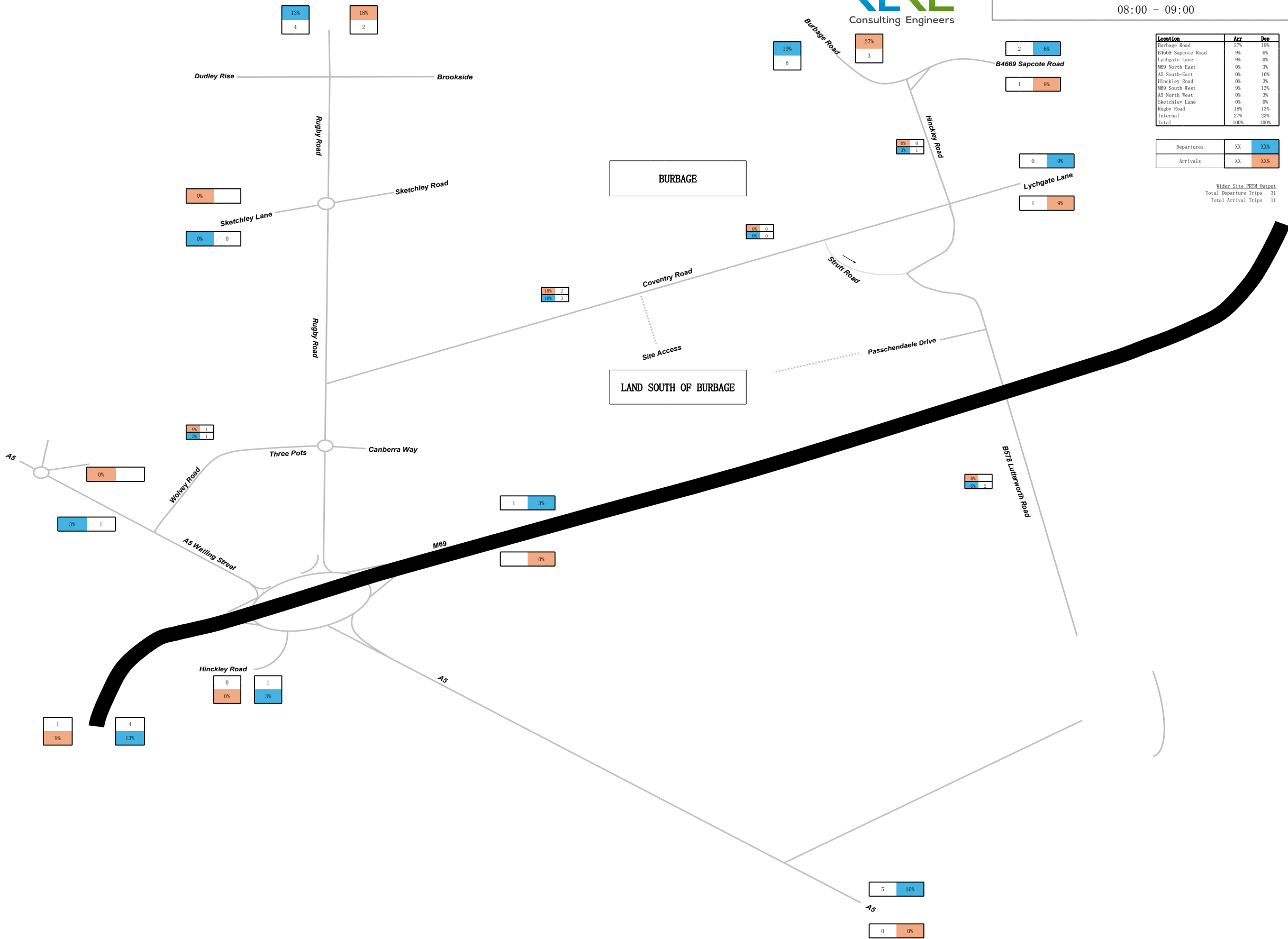
PRTM Residential Distribution Calculations

08:00 – 09:00

Location	Arr	Dep
Burbage Road	27%	19%
B4669 Sapcote Road	9%	6%
Lychgate Lane	9%	0%
M69 North-East	0%	3%
A5 South-East	0%	16%
Hinckley Road	0%	3%
M69 South-West	9%	13%
A5 North-West	0%	3%
Sketchley Lane	0%	0%
Rugby Road	18%	13%
Internal	27%	23%
Total	100%	100%

Departures	XX	XX%
Arrivals	XX	XX%

Wider Site PRTM Output
Total Departure Trips 31
Total Arrival Trips 11





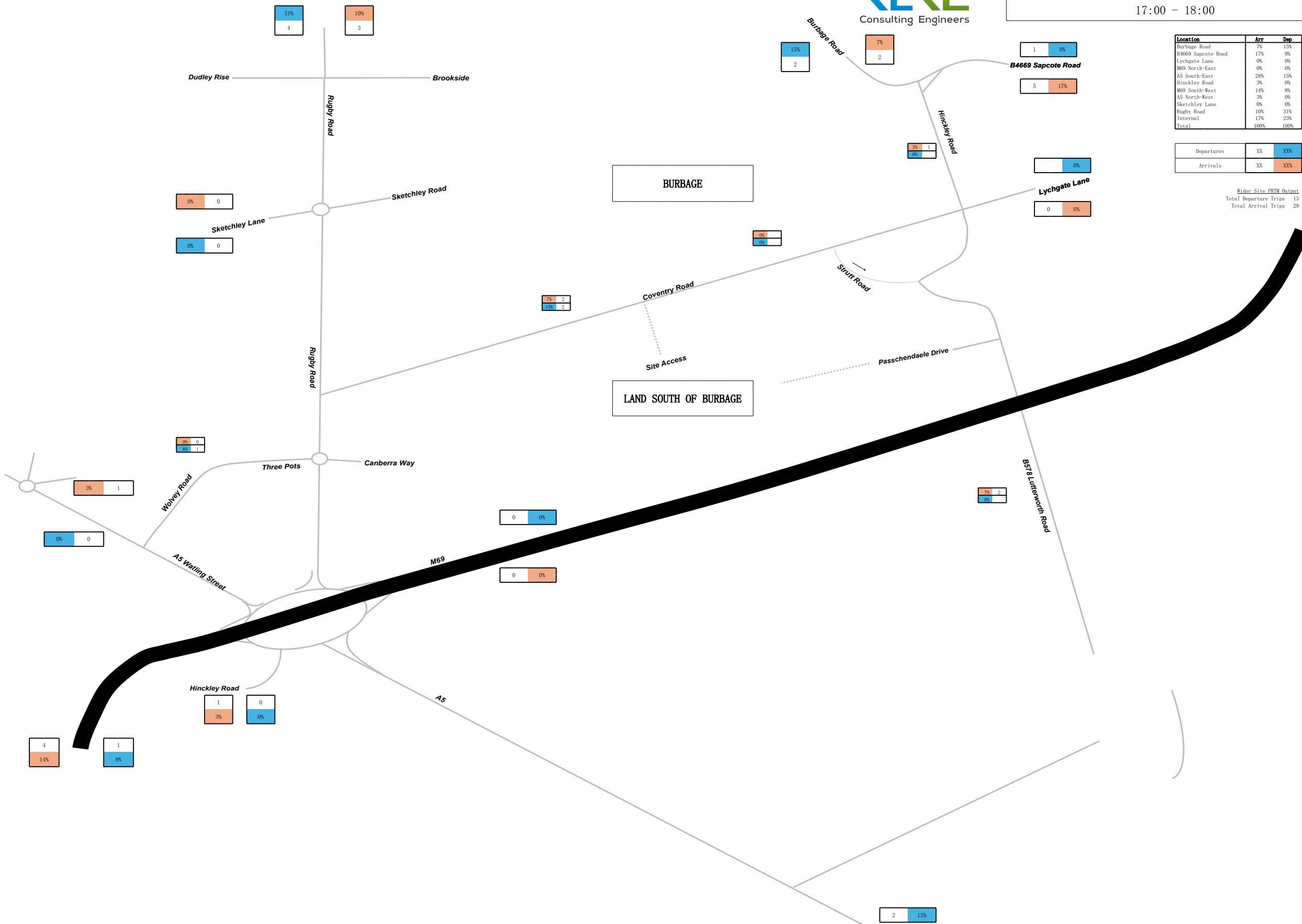
PRTM Residential Distribution Calculations

17:00 – 18:00

Location	Arr	Dep
Burbage Road	7%	15%
B4669 Sapcote Road	17%	8%
Lychgate Lane	0%	0%
M69 North-East	0%	0%
A5 South-East	28%	15%
Hinckley Road	3%	0%
M69 South-West	14%	8%
A5 North-West	3%	0%
Sketchley Lane	0%	0%
Rugby Road	10%	31%
Internal	17%	23%
Total	100%	100%

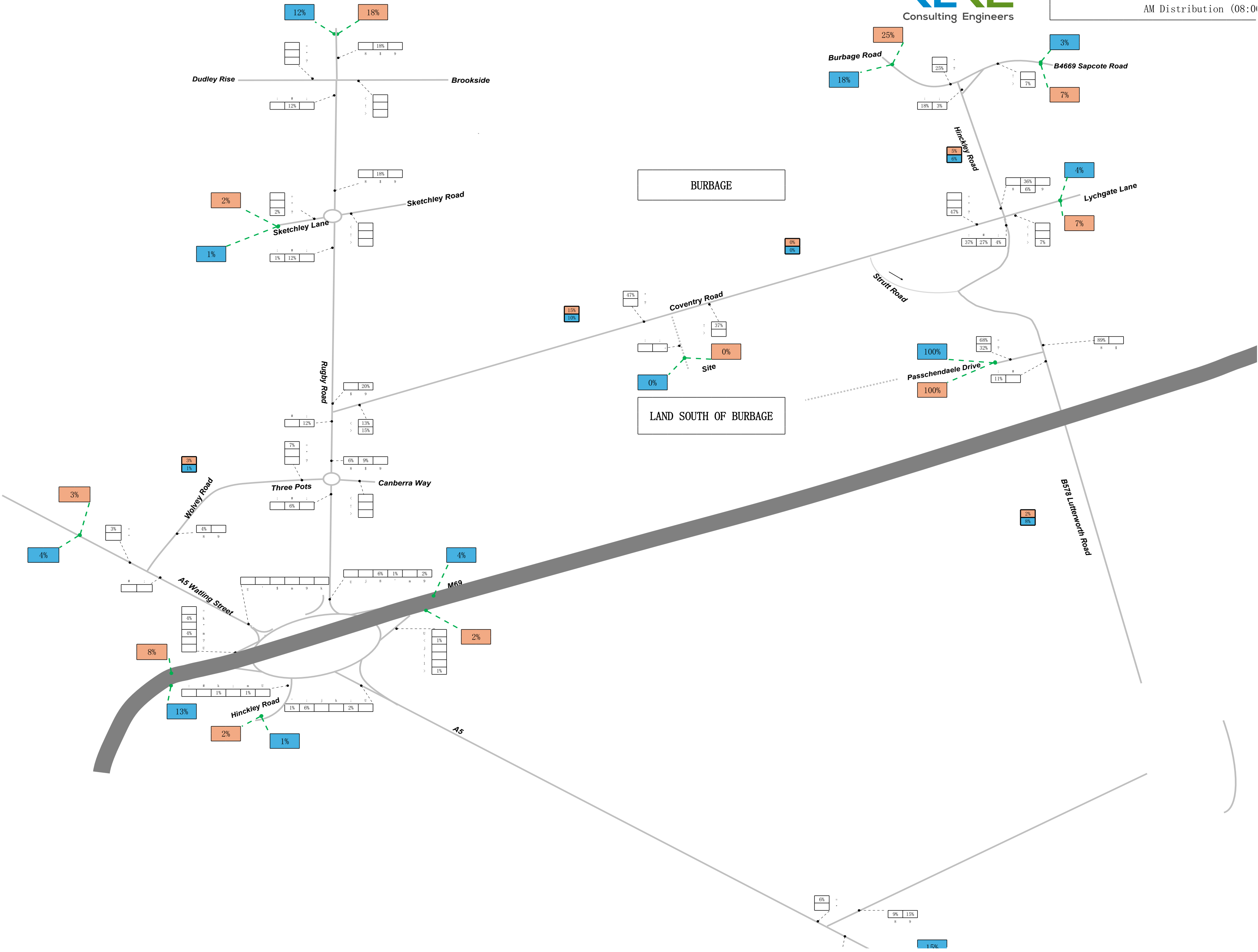
Departures	XX	XX%
Arrivals	XX	XX%

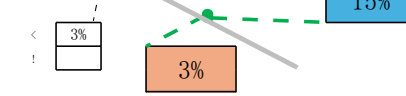
Wider Site PRTM Output
Total Departure Trips 13
Total Arrival Trips 29











Users Close Access

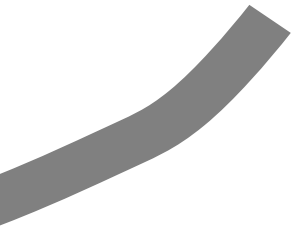
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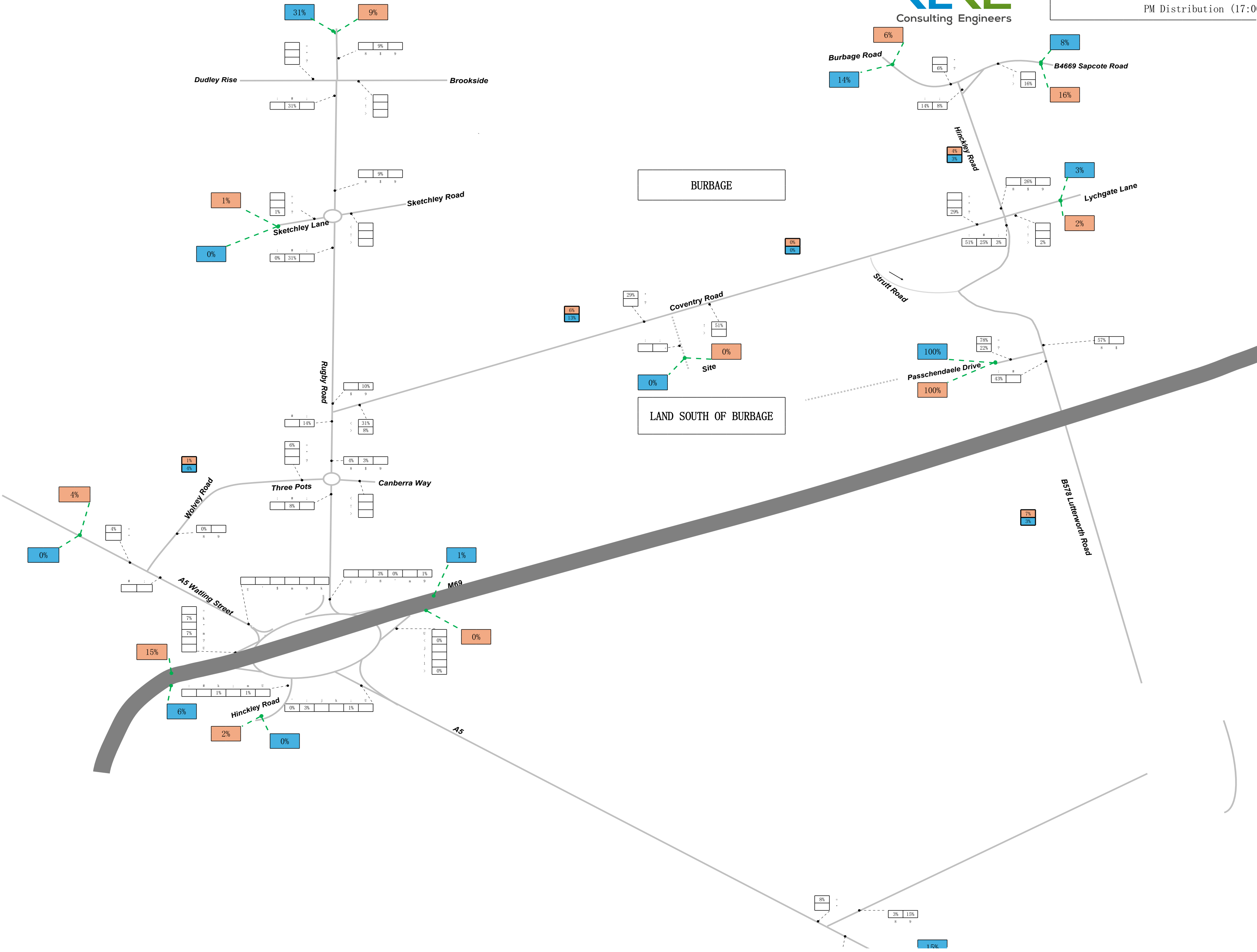
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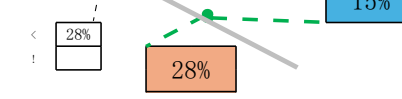
Arrivals

x%

Departures

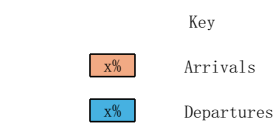


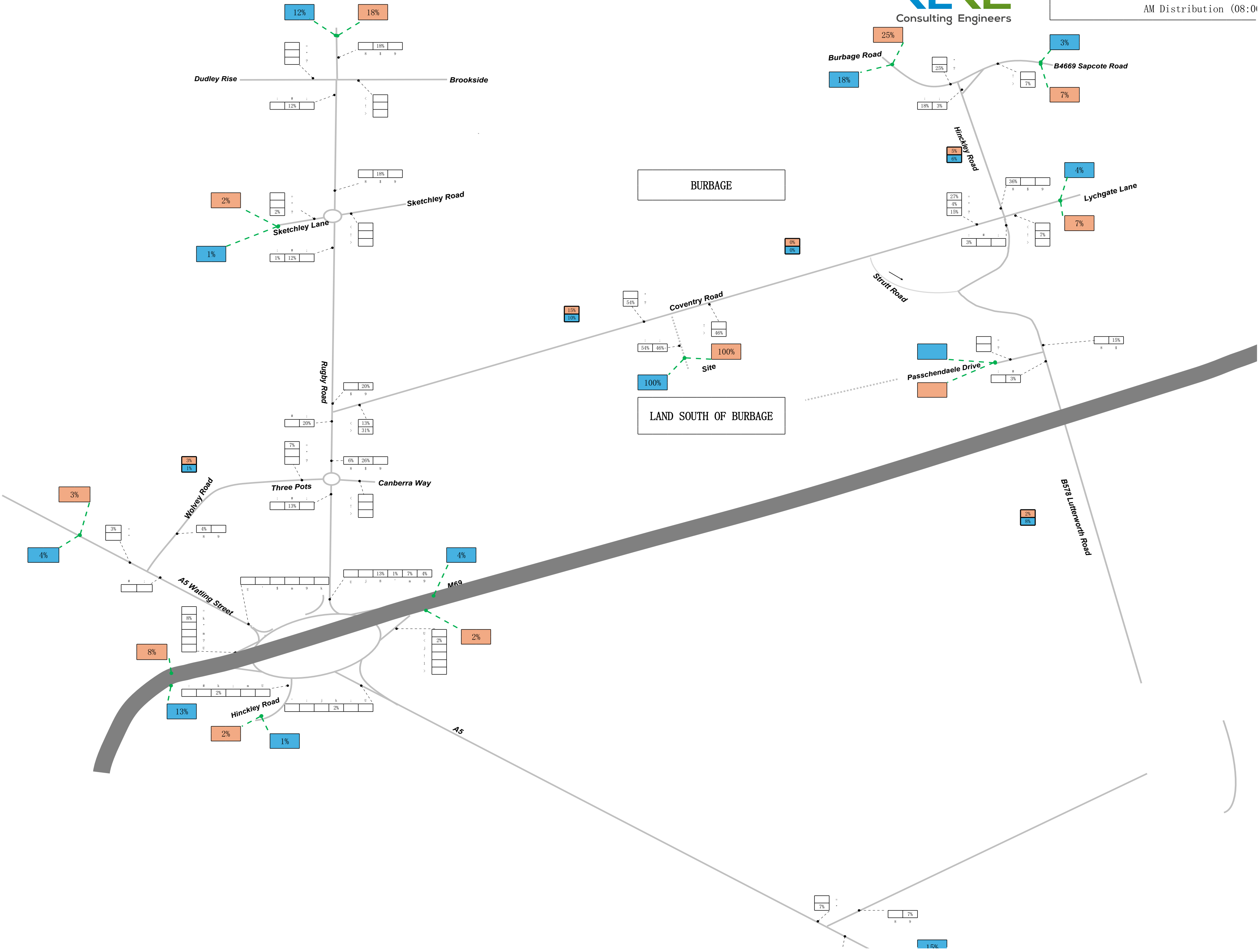


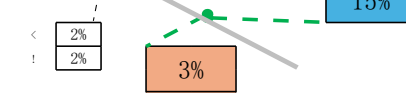


ders Close Access

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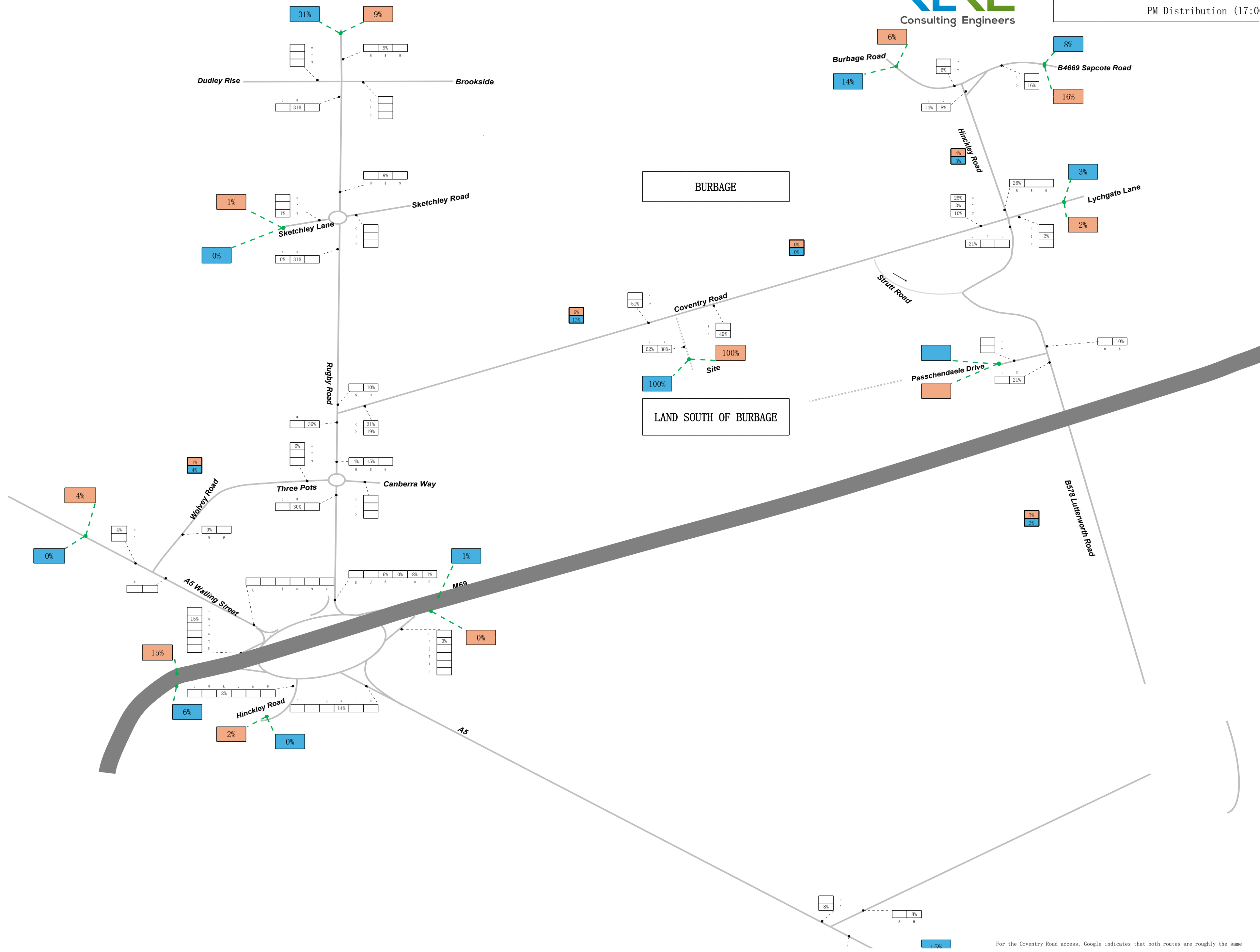


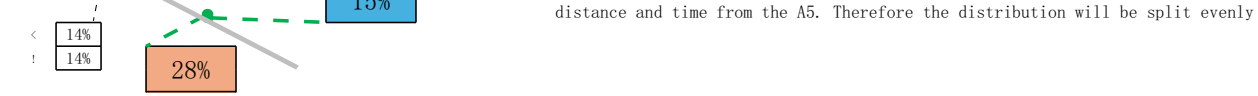
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!	2%

entry Road Access

0 - 09:00)







entry Road Access

0 - 18:00)

Key

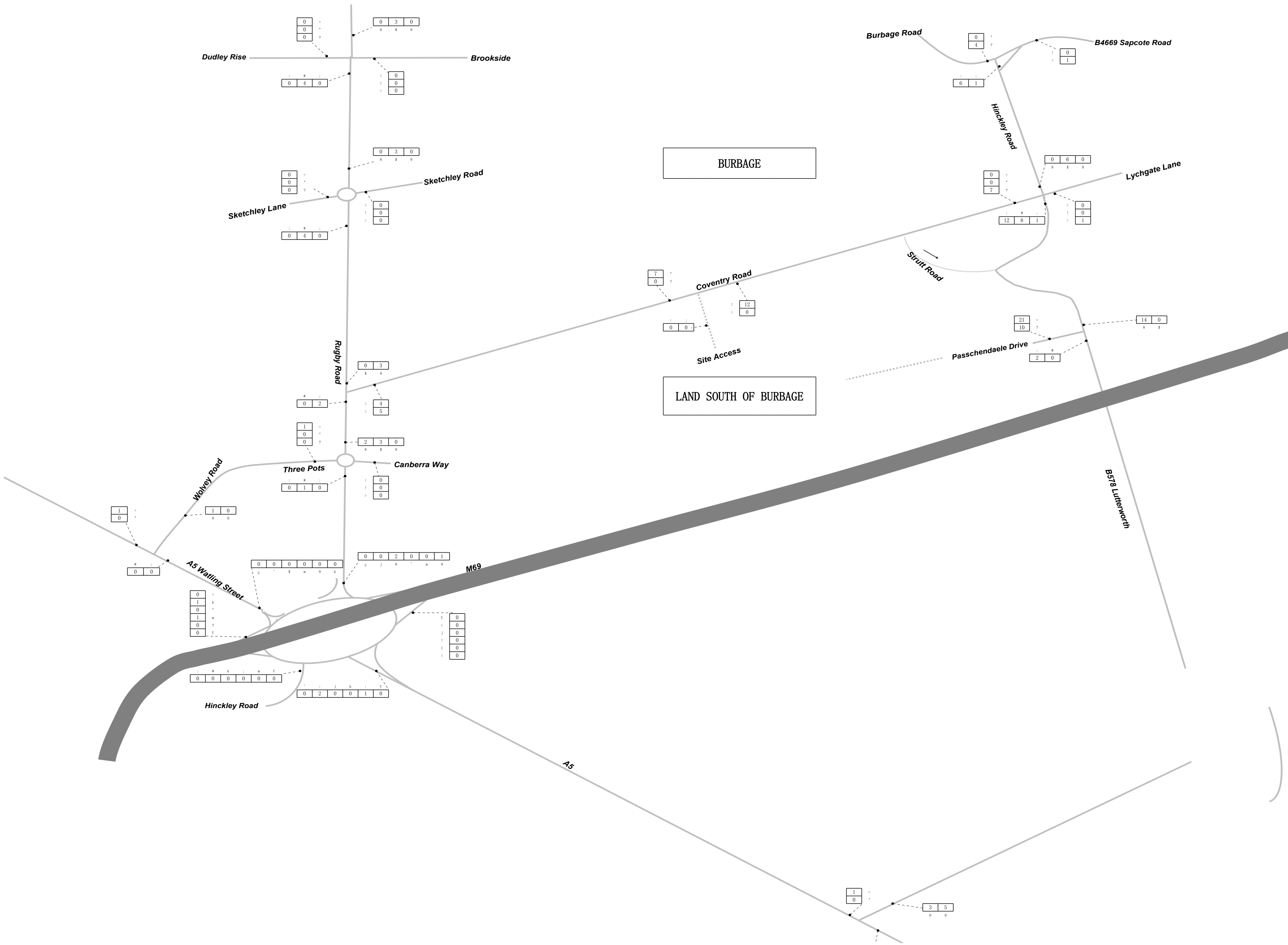
x%

Arrivals

x%

Departures





< 1 0

Close Access - 55 Dwellings

:00 - 09:00)

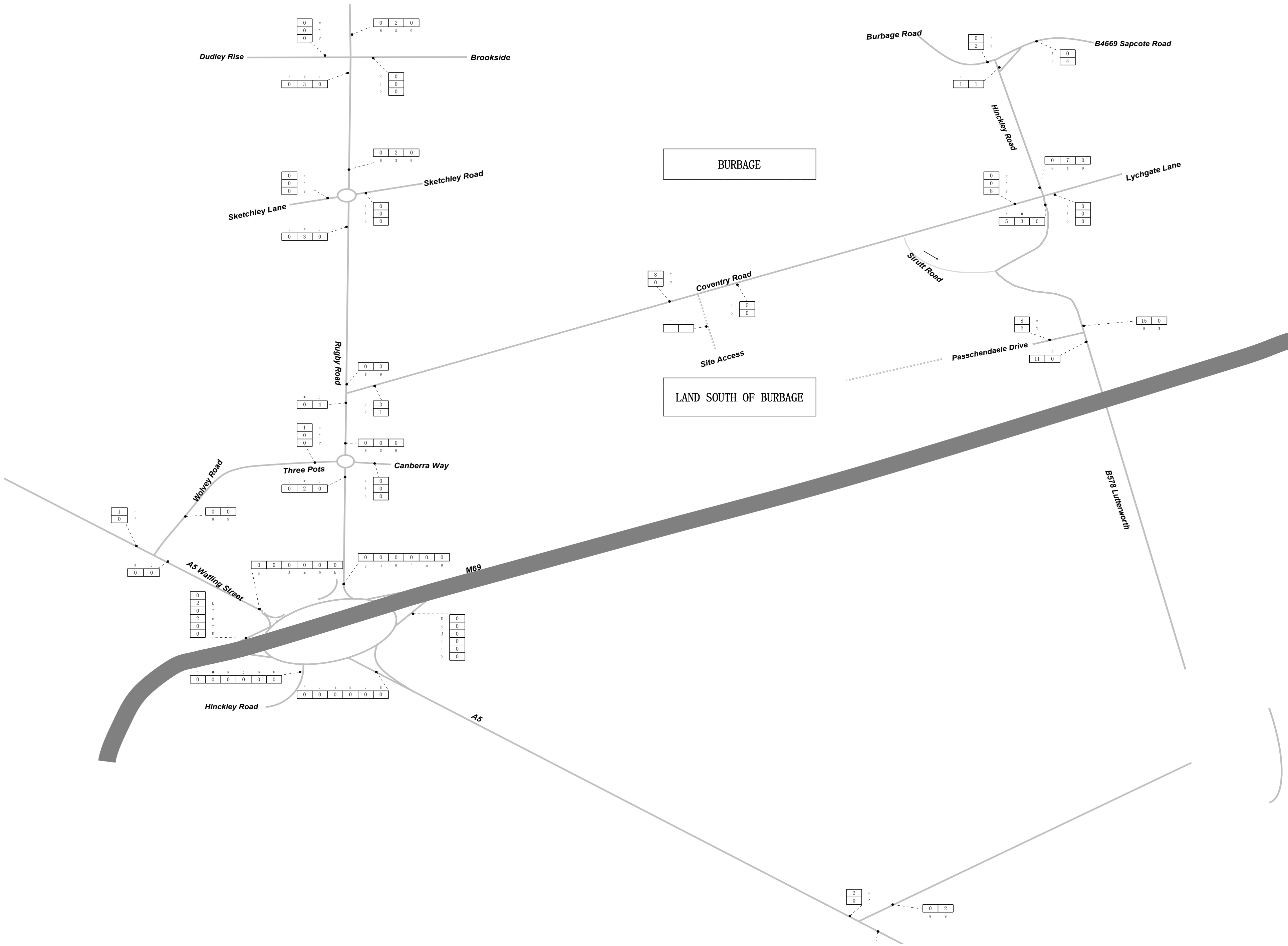
Route Choice Assignment
M69 Junction 1 Eastbound Off-Slip
50% Route via Rugby Road / Coventry Road
50% Route via B578 Lutterworth Road

M69 Junction 1 Eastbound On-Slip
50% Route via Rugby Road / Coventry Road
50% Route via B578 Lutterworth Road

M69 Junction 1 Westbound On-Slip
50% Route via Rugby Road / Coventry Road
50% Route via B578 Lutterworth Road

M69 Junction 1 Westbound Off-Slip
50% Route via Rugby Road / Coventry Road
50% Route via B578 Lutterworth Road





Close Access - 55 Dwellings

:00 - 18:00)

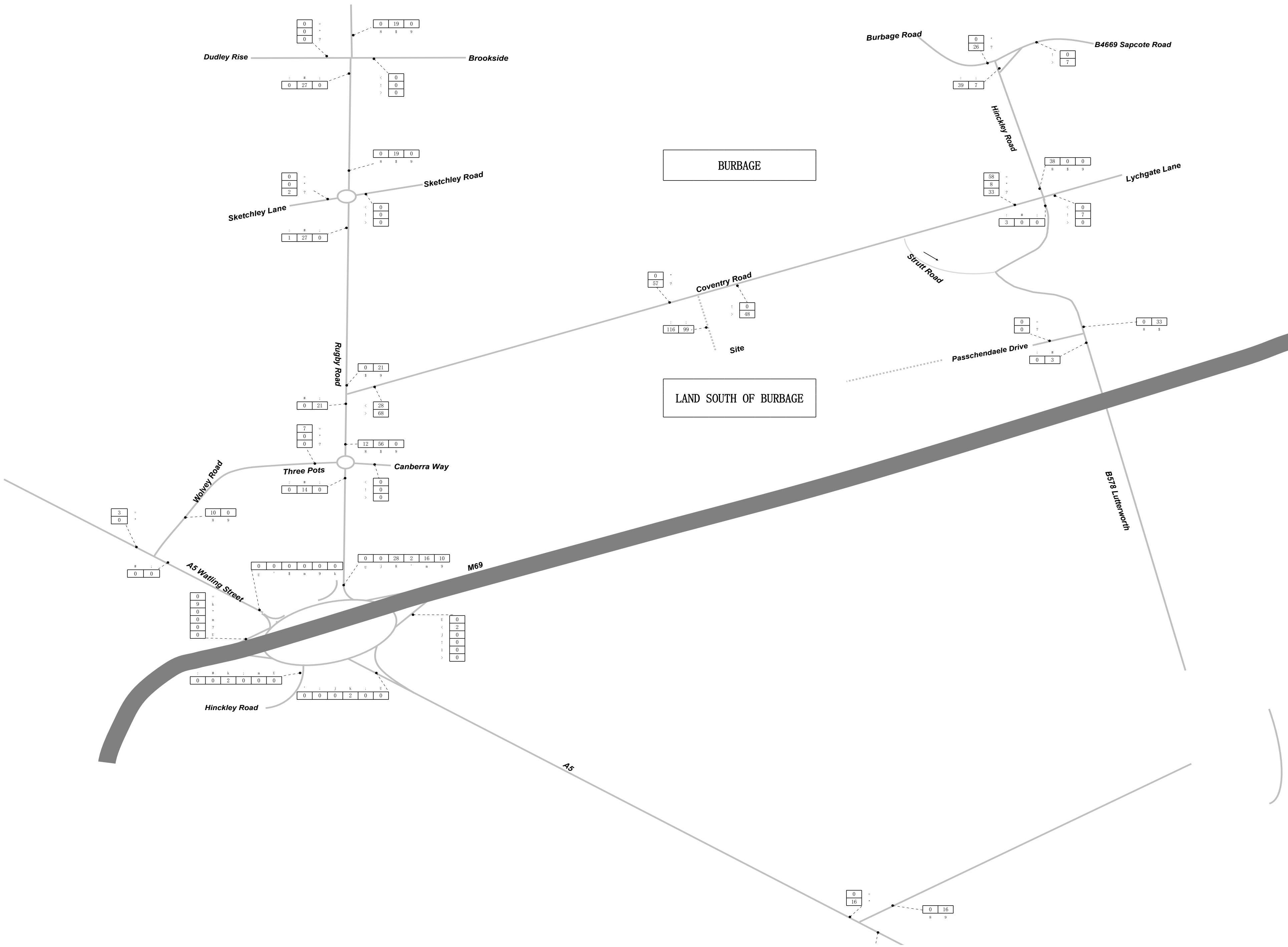
Route Choice Assignment
M69 Junction 1 Eastbound Off-Slip
50% Route via Rugby Road / Coventry Road
50% Route via B578 Lutterworth Road

M69 Junction 1 Eastbound On-Slip
50% Route via Rugby Road / Coventry Road
50% Route via B578 Lutterworth Road

M69 Junction 1 Westbound On-Slip
50% Route via Rugby Road / Coventry Road
50% Route via B578 Lutterworth Road

M69 Junction 1 Westbound Off-Slip
50% Route via Rugby Road / Coventry Road
50% Route via B578 Lutterworth Road





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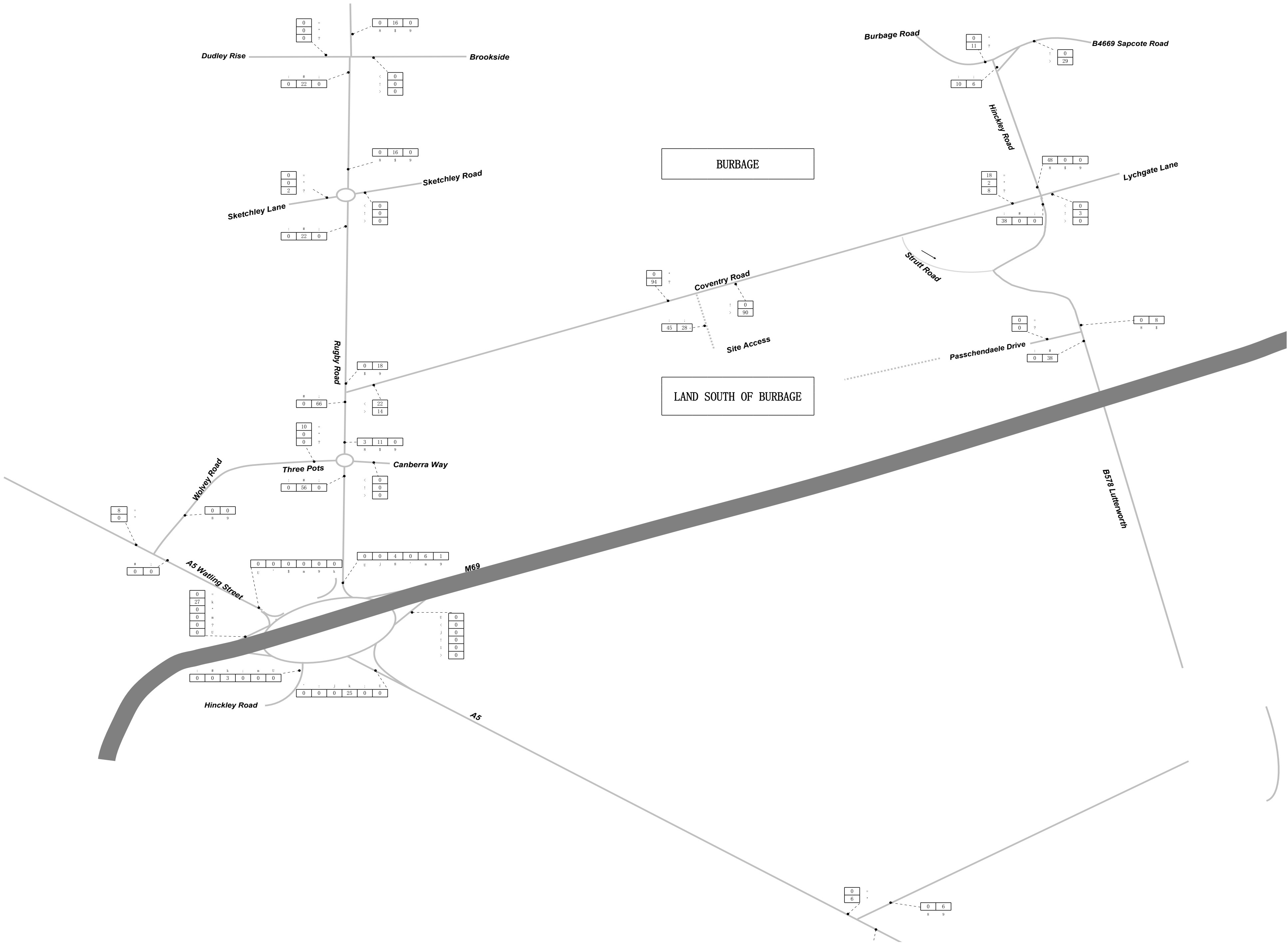
<	2
!	2

Road Access - 378 Dwellings

:00 - 09:00)

Route Choice Assignment
A5 South-East
50% Route via Rugby Road / Coventry Road
50% Route via B578 Lutterworth Road





<	25
!	25

Road Access - 378 Dwellings

:00 - 18:00)

Route Choice Assignment
A5 South-East
50% Route via Rugby Road / Coventry Road
50% Route via B578 Lutterworth Road

