

**LCC/SRBC3**

**Appendix 16**

Pickerings Farm Analysis LCC Version

16A Junction References for Raw Data  
Traffic Survey Peak Hour

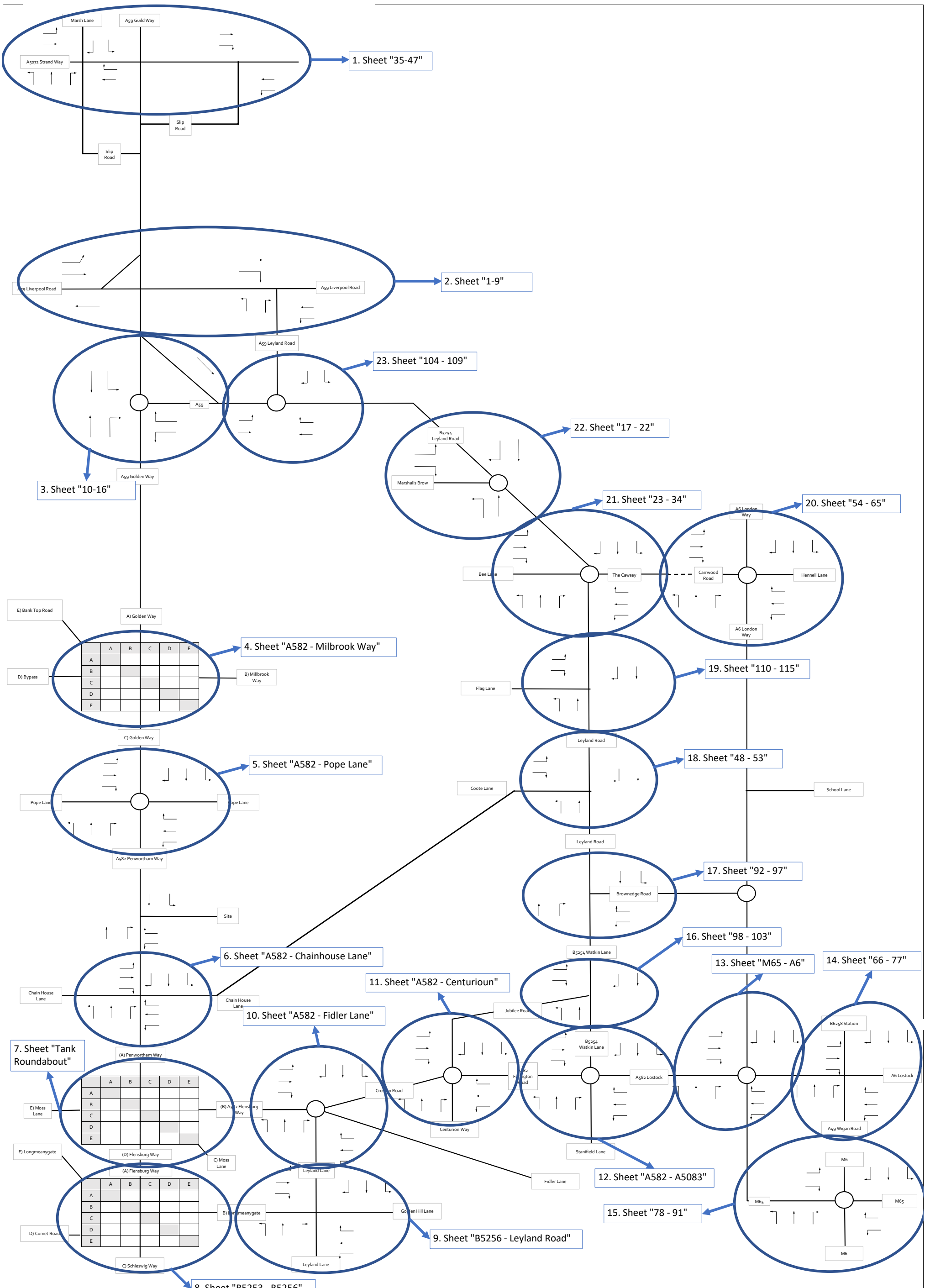
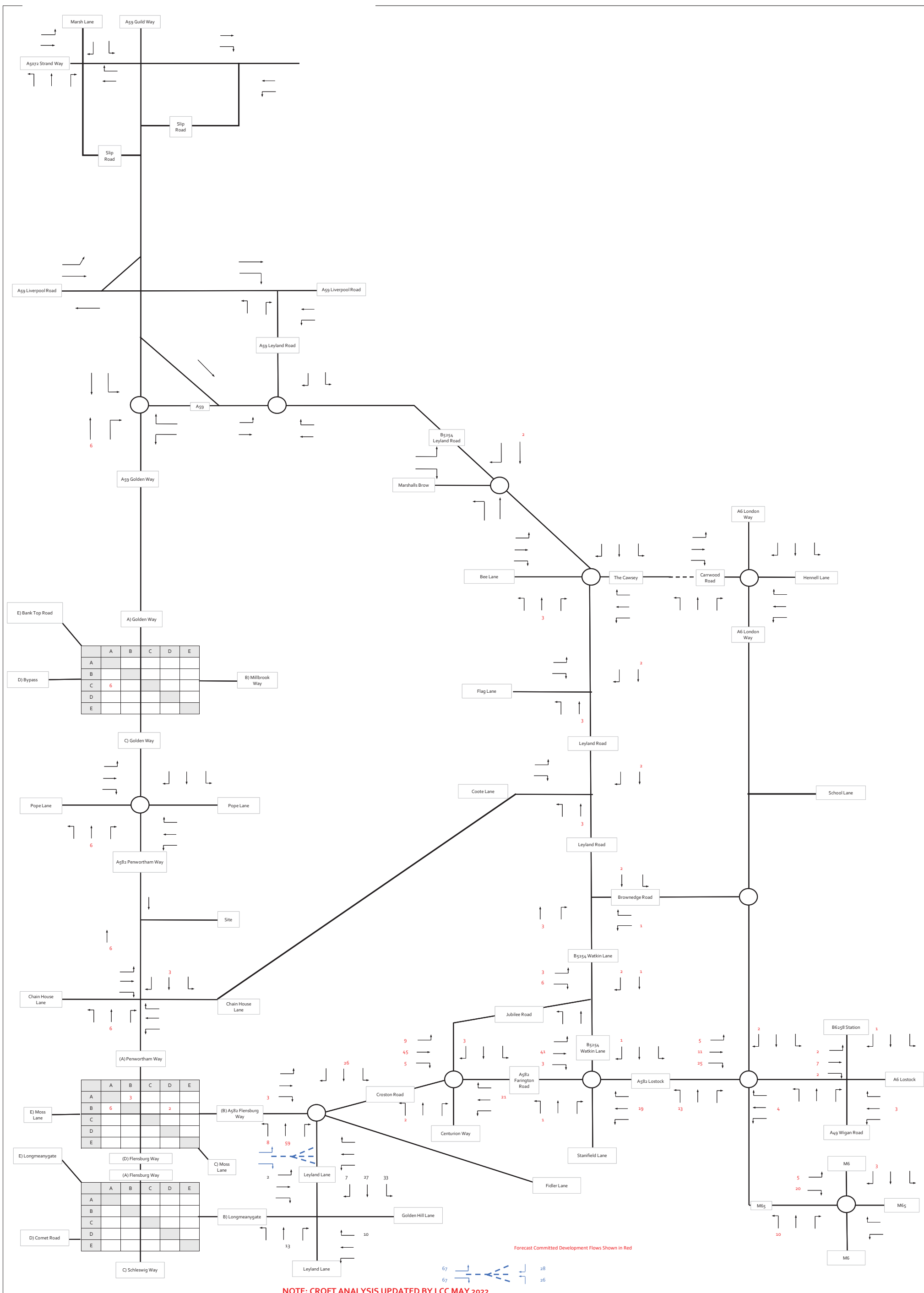


Figure o - References to Raw Data Sheets

Time Beginning	1-9	10-16	17-22	23-34	35-47	48-53	54-65	66-77	78-91	92-97	98-103	104-109	110-115	1-12a	13-24a	25-44a	45-64a	A582-Pope	A5825-Chain House	A582-Fidler	A582-Centurian	M65-A6	A582-A5083	B5253-B5256	B5256-Leyland	A582-Millbrook Way	TOTAL
0730	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0745	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0815	<b>4554</b>	<b>3662</b>	<b>1803</b>	<b>1909</b>	<b>3648</b>	<b>1943</b>	<b>3084</b>	<b>2890</b>	<b>4859</b>	<b>2094</b>	<b>1681</b>	<b>1858</b>	<b>1771</b>	<b>2777</b>	<b>3169</b>	<b>3083</b>	<b>2073</b>	<b>2923</b>	<b>3192</b>	<b>2447</b>	<b>3088</b>	<b>7029</b>	<b>4562</b>	<b>2982</b>	<b>1817</b>	<b>2653</b>	<b>77551</b>
0830	4815	3627	1727	1816	3703	1881	3039	2861	4722	2074	1661	1834	1688	2760	3062	2968	2112	2928	3171	2406	3085	6915	4537	2839	1880	2789	76901
0845	4726	3502	1667	1671	3662	1744	2935	2866	4547	1946	1549	1784	1531	2664	2943	2840	2104	2999	3009	2380	3060	6620	4394	2734	1937	2733	74546
0900	4451	3333	1595	1551	3583	1669	2703	2838	4234	1866	1484	1710	1417	2673	2801	2768	2061	2840	2768	2283	2905	6288	4264	2666	1899	2537	71187
0915	4035	3048	1488	1350	3387	1588	2564	2710	3935	1767	1397	1573	1271	2558	2589	2695	1960	2629	2603	2197	2728	5882	4128	2481	1809	2214	66584
Time Beginning																											
1630	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1645	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1715	<b>5024</b>	<b>3561</b>	<b>1771</b>	<b>1747</b>	<b>4128</b>	<b>2007</b>	<b>3364</b>	<b>3502</b>	<b>4599</b>	<b>2213</b>	<b>1900</b>	<b>1891</b>	<b>1630</b>	<b>3236</b>	<b>3388</b>	<b>3443</b>	<b>2355</b>	<b>2970</b>	<b>3295</b>	<b>2711</b>	<b>3222</b>	<b>7324</b>	<b>4953</b>	<b>3064</b>	<b>1992</b>	<b>2377</b>	<b>81667</b>
1730	4878	3553	1725	1750	4202	2010	3371	3492	4528	2201	1831	1865	1632	3252	3380	3485	2329	2942	3207	2666	3122	7162	4888	2885	1971	2336	80662
1745	4874	3419	1648	1672	4235	1990	3357	3396	4414	2161	1753	1834	1573	3223	3358	3462	2311	2890	3101	2568	2983	6902	4703	2759	1954	2310	78849
1800	4726	3316	1572	1626	4166	1955	3210	3228	4102	2094	1665	1758	1513	3096	3298	3426	2256	2755	2931	2438	2799	6508	4459	2533	1877	2229	75537
1815	4606	3116	1475	1573	3999	1872	2980	2939	3828	2023	1603	1674	1485	2897	3117	3300	2170	2521	2700	2330	2642	6137	4257	2351	1822	2058	71475

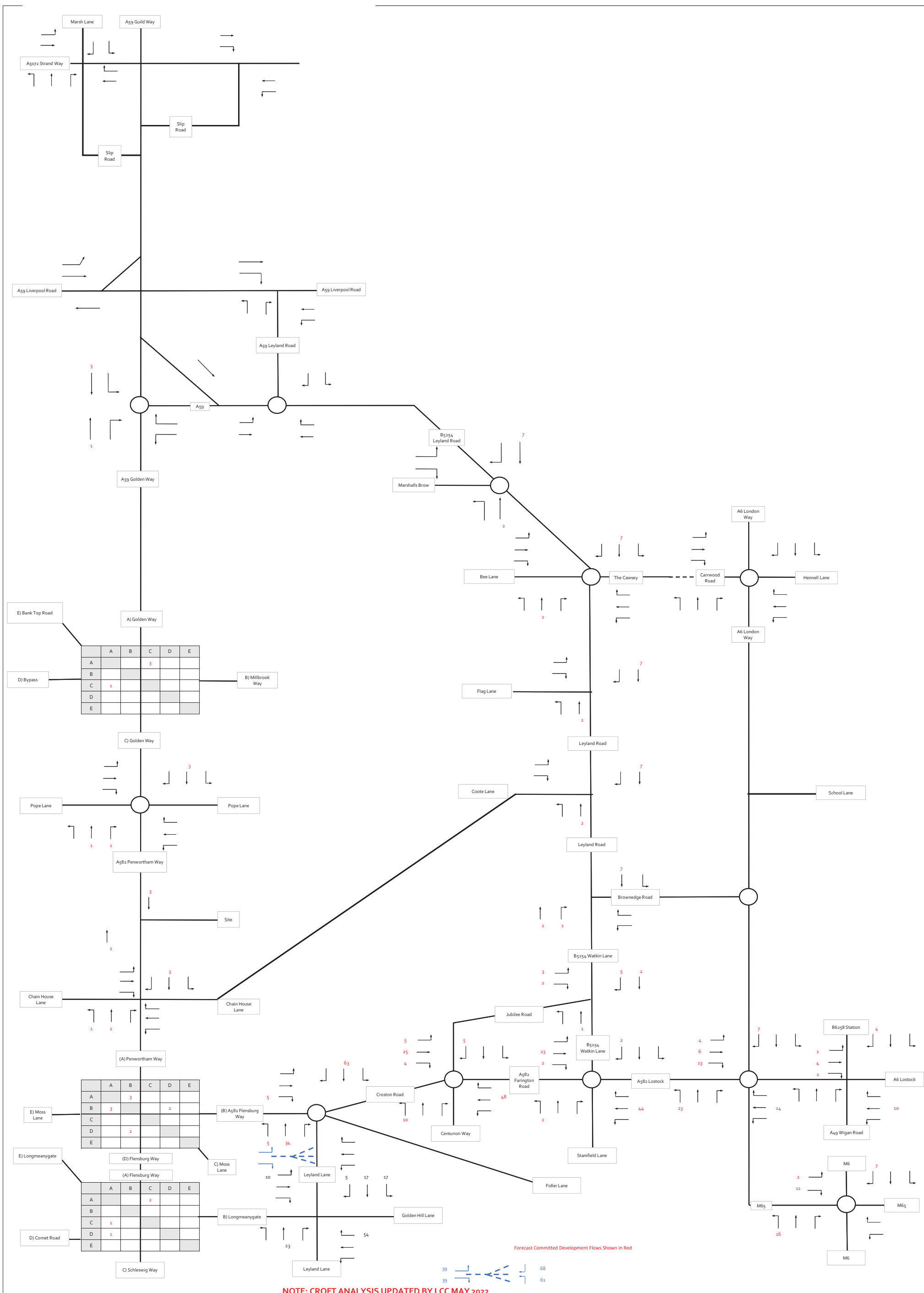
16B Committed Development



# Committed Development - 07/2012/0627 Traffic Flows (PCU's) AM Peak



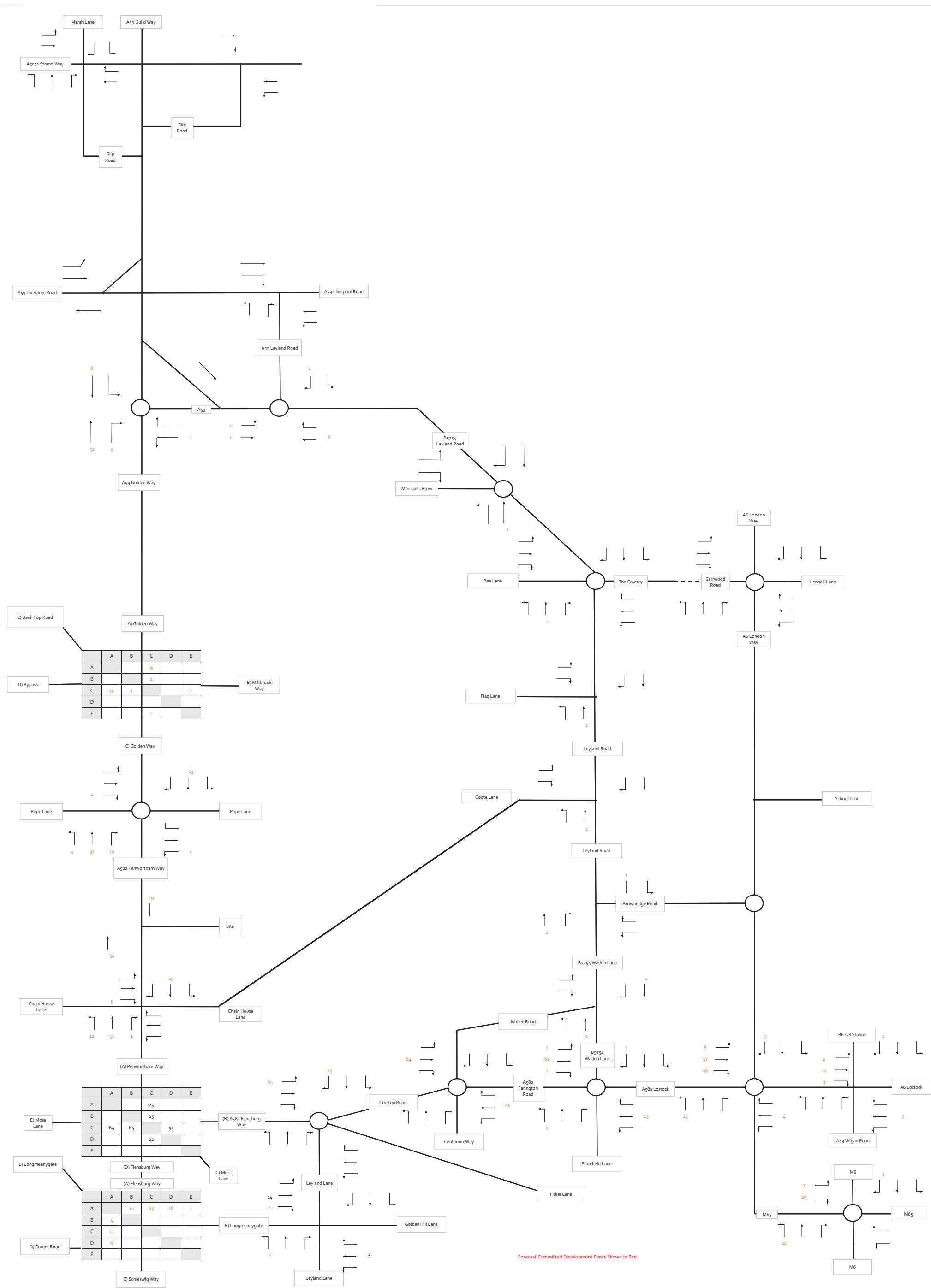
6th Floor, Quay House, Quay Street, Manchester M3 3JE  
 Tel: 0161 827 1740 www.crofts.co.uk info@crofts.co.uk



### Committed Development - 07/2012/0627 Traffic Flows (PCU's) PM Peak



6th Floor, Quay House, Quay Street, Manchester M3 3JE  
 Tel: 0161 827 1740 www.crofts.co.uk info@crofts.co.uk



Forecast Committed Development Flows Shown in Red

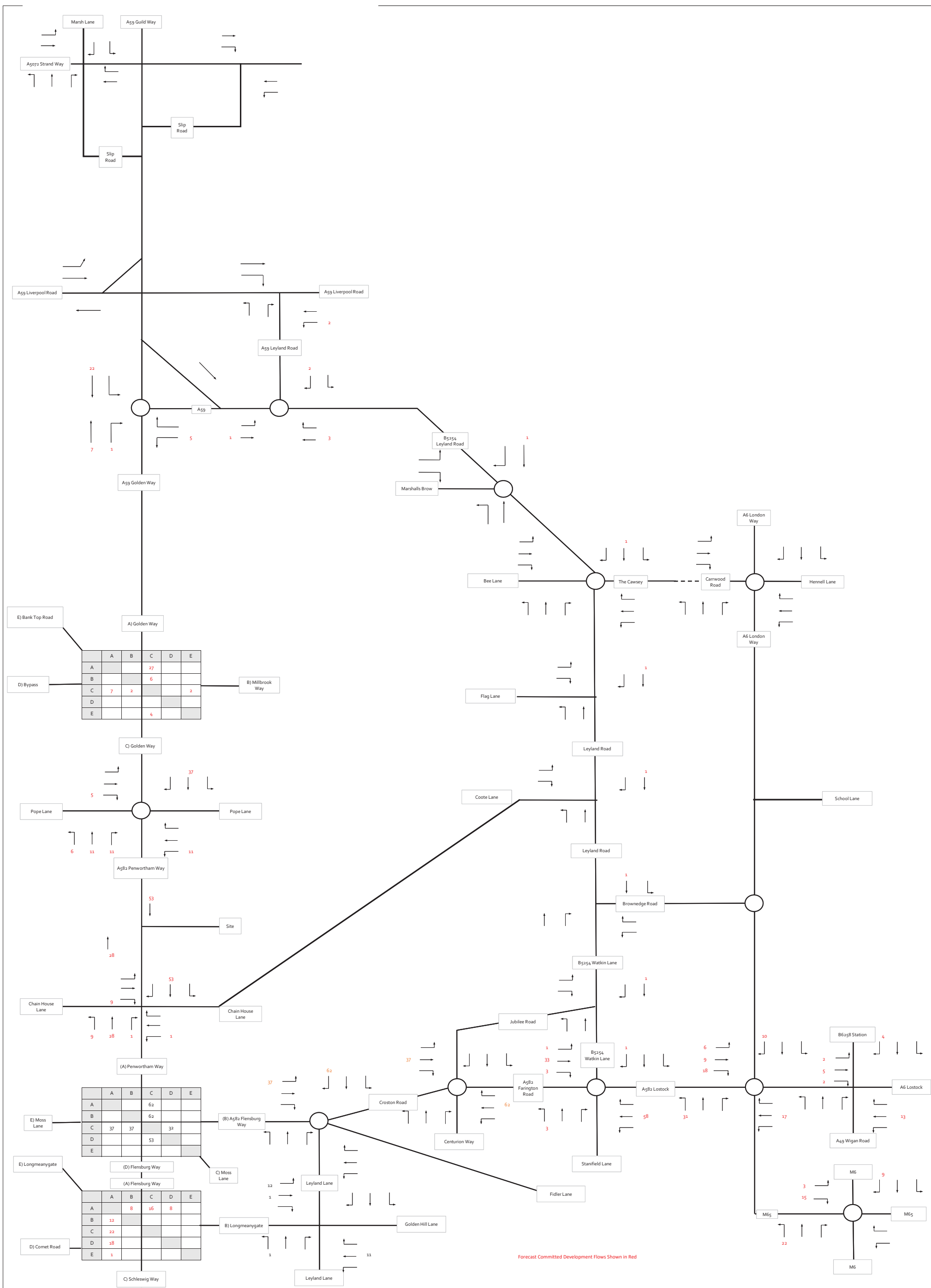
NOTE: CROFT ANALYSIS UPDATED BY LCC MAY 2022

# Committed Development - 07/2014/0184 Traffic Flows (PCU's) AM Peak



6th Floor, Quay House, Quay Street, Manchester M3 3JE  
 Tel: 0161 827 1740 www.crofts.co.uk info@crofts.co.uk



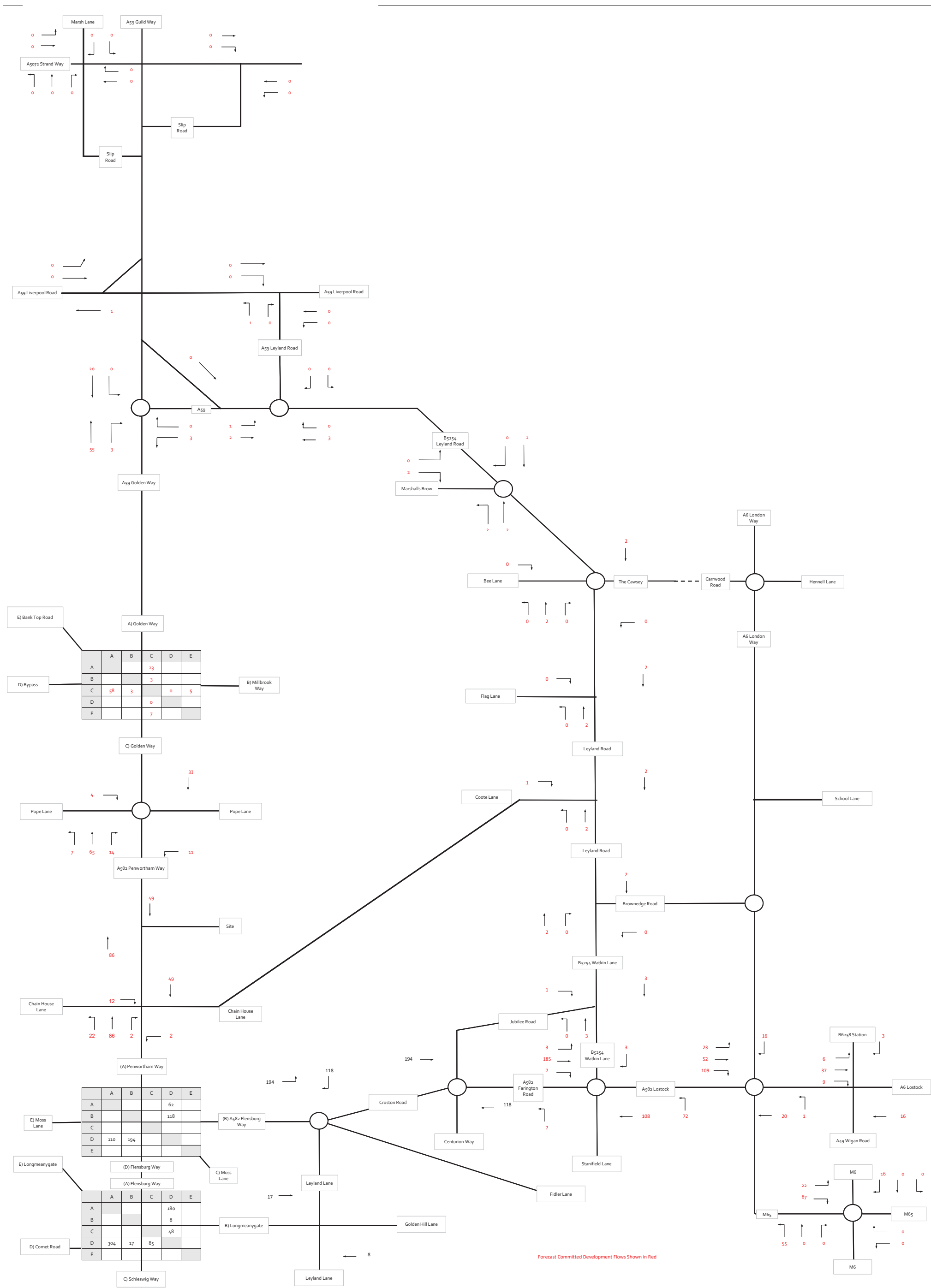


NOTE: CROFT ANALYSIS UPDATED BY LCC MAY 2022

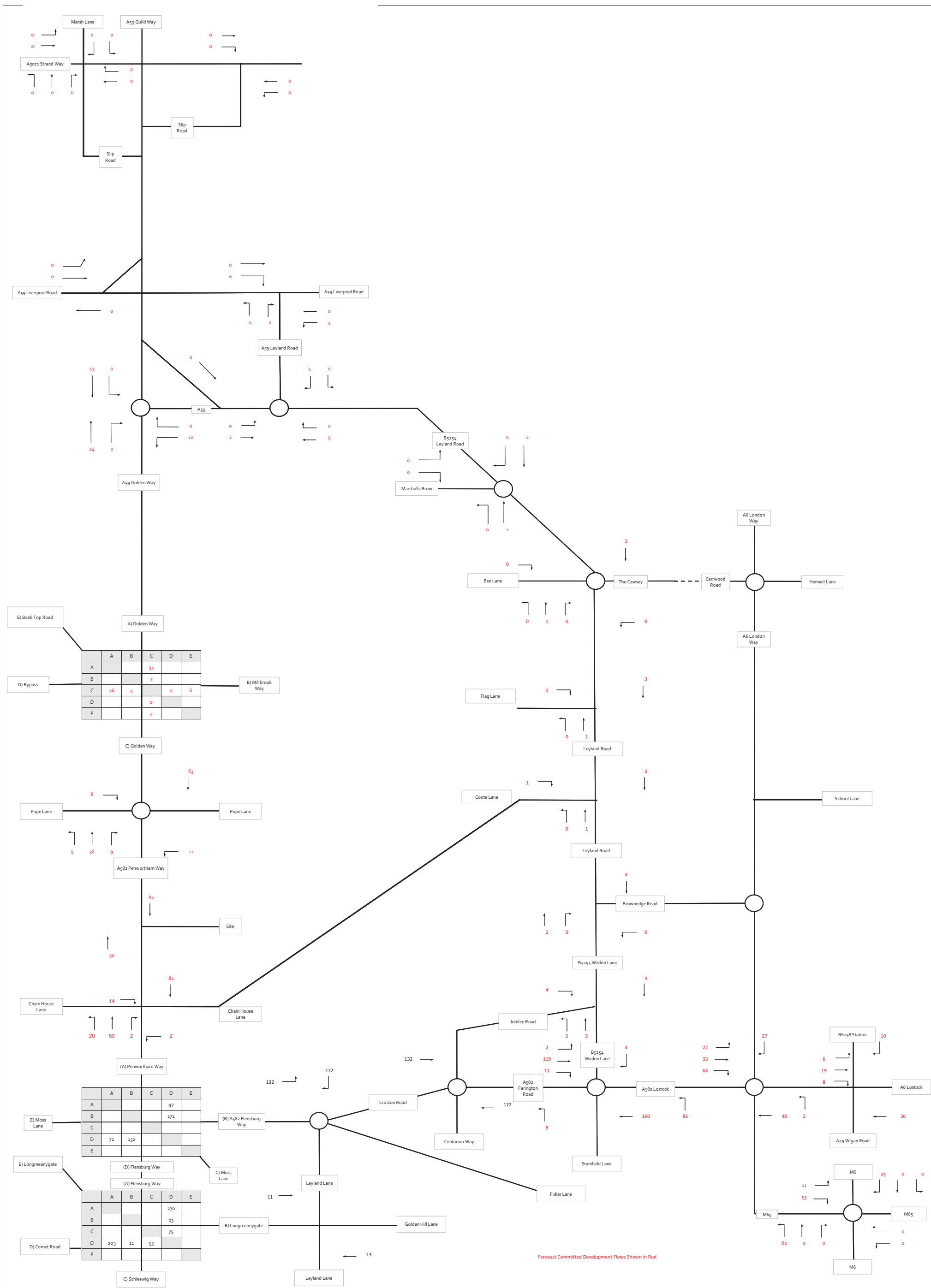
# Committed Development - 07/2014/0184 Traffic Flows (PCU's) PM Peak



6th Floor, Quay House, Quay Street, Manchester M3 3JE  
 Tel: 0161 827 1740 www.crofts.co.uk info@crofts.co.uk



# Committed Development - 07/2017/3361 Development Traffic Flows (PCU's) AM Peak

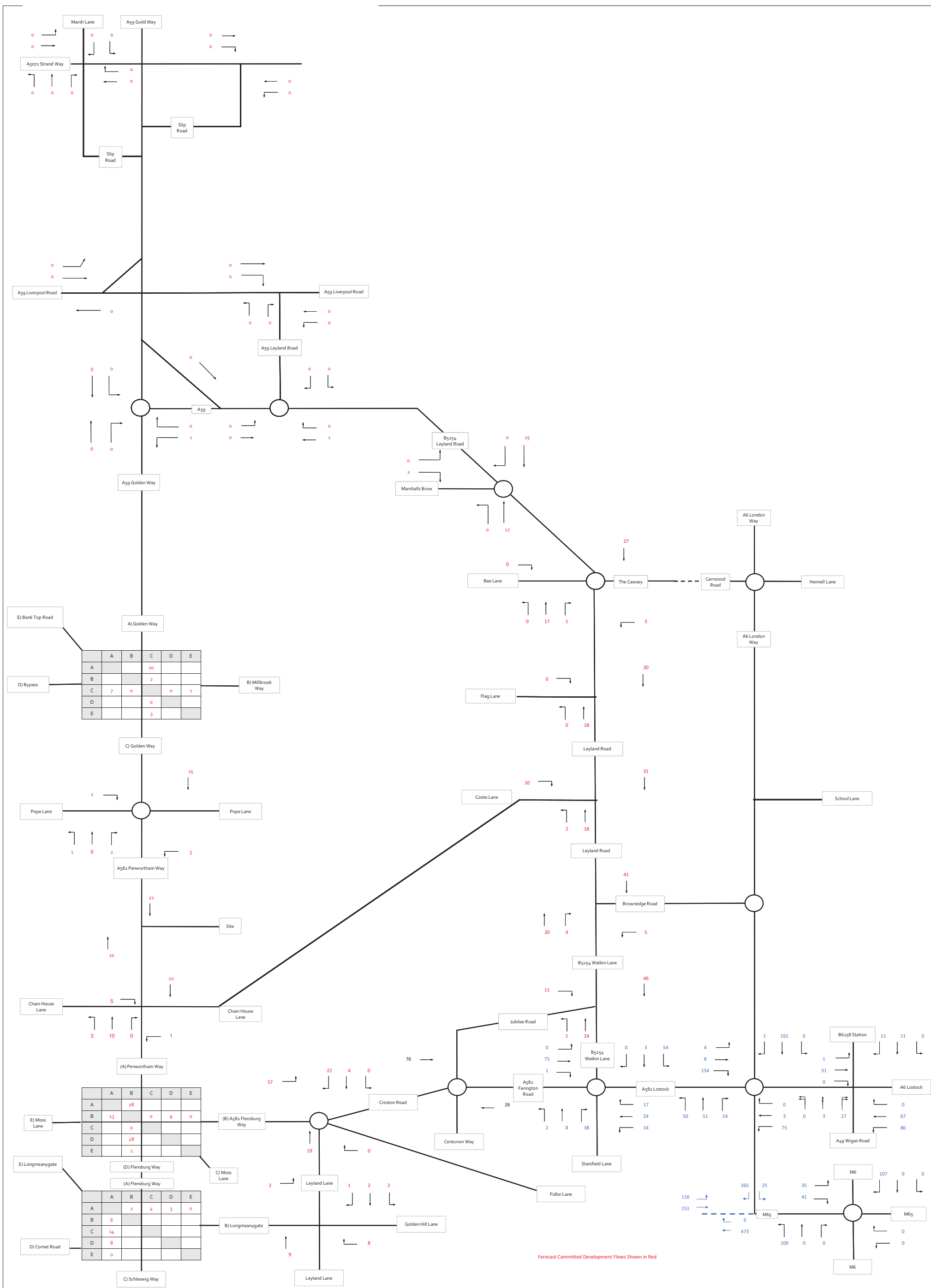


NOTE: CROFT ANALYSIS UPDATED BY LCC MAY 2022

# Committed Development - 07/2017/3361 Development Traffic Flows (PCU's) PM Peak



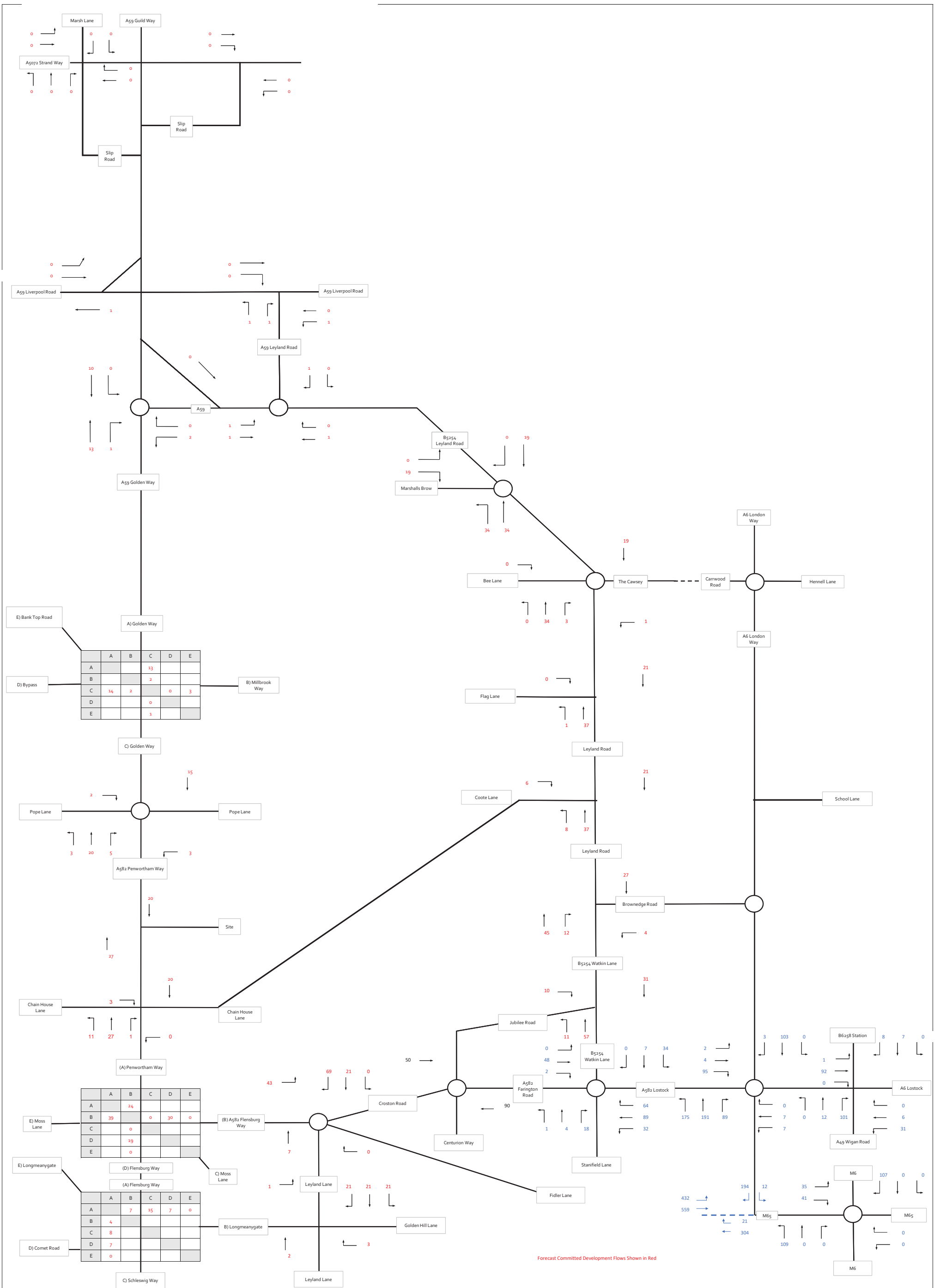
6th Floor, Quay House, Quay Street, Manchester M3 3JE  
Tel: 0161 827 1740 www.crofts.co.uk info@crofts.co.uk



# Committed Development - Cuerden Strategic Site Traffic Flows (PCU's) AM Peak



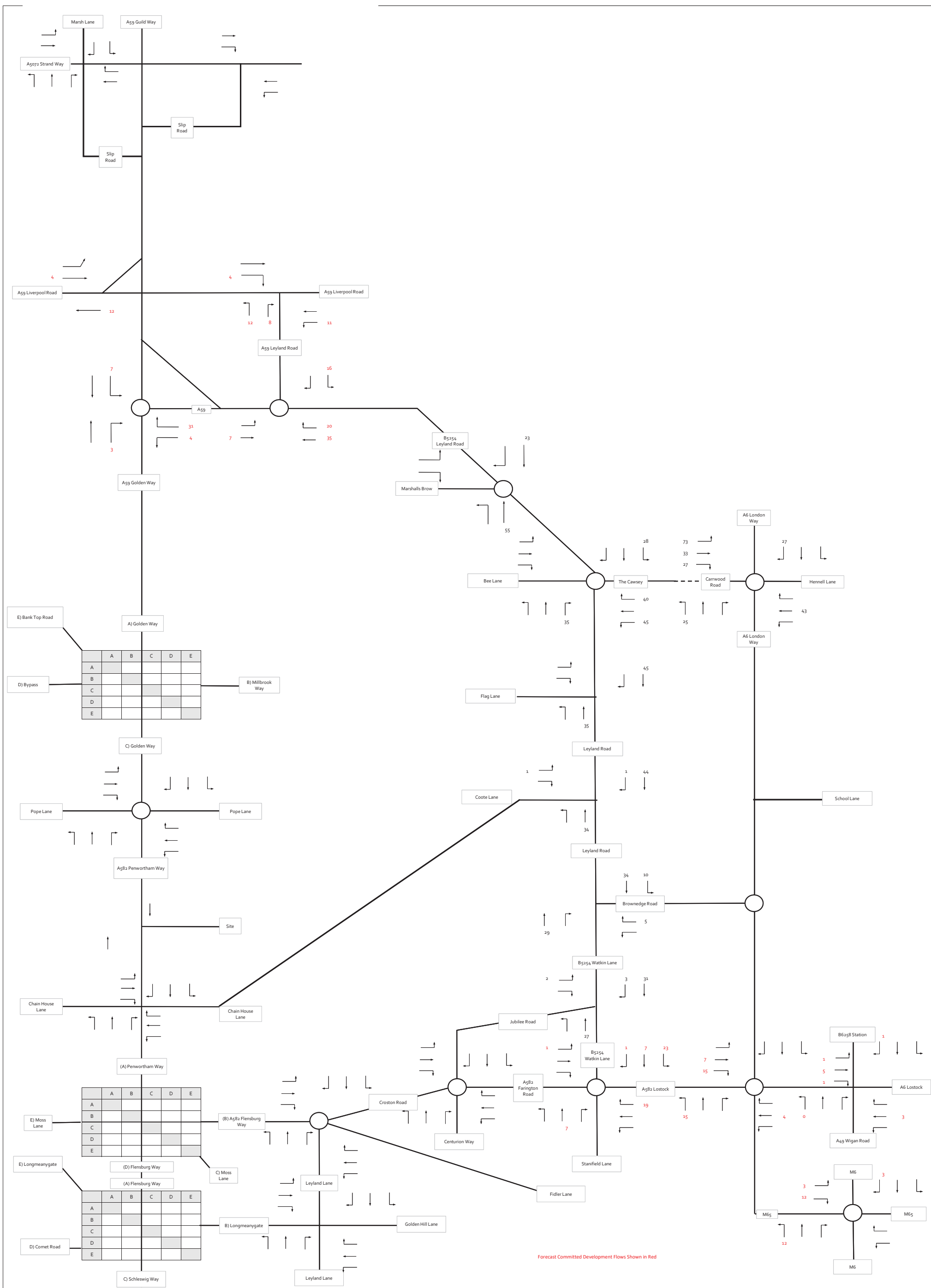
6th Floor, Quay House, Quay Street, Manchester M3 3JE  
Tel: 0161 827 1740 www.crofts.co.uk info@crofts.co.uk



# Committed Development - Cuerden Strategic Site Traffic Flows (PCU's) PM Peak



6th Floor, Quay House, Quay Street, Manchester M3 3JE  
Tel: 0161 827 1740 www.crofts.co.uk info@crofts.co.uk

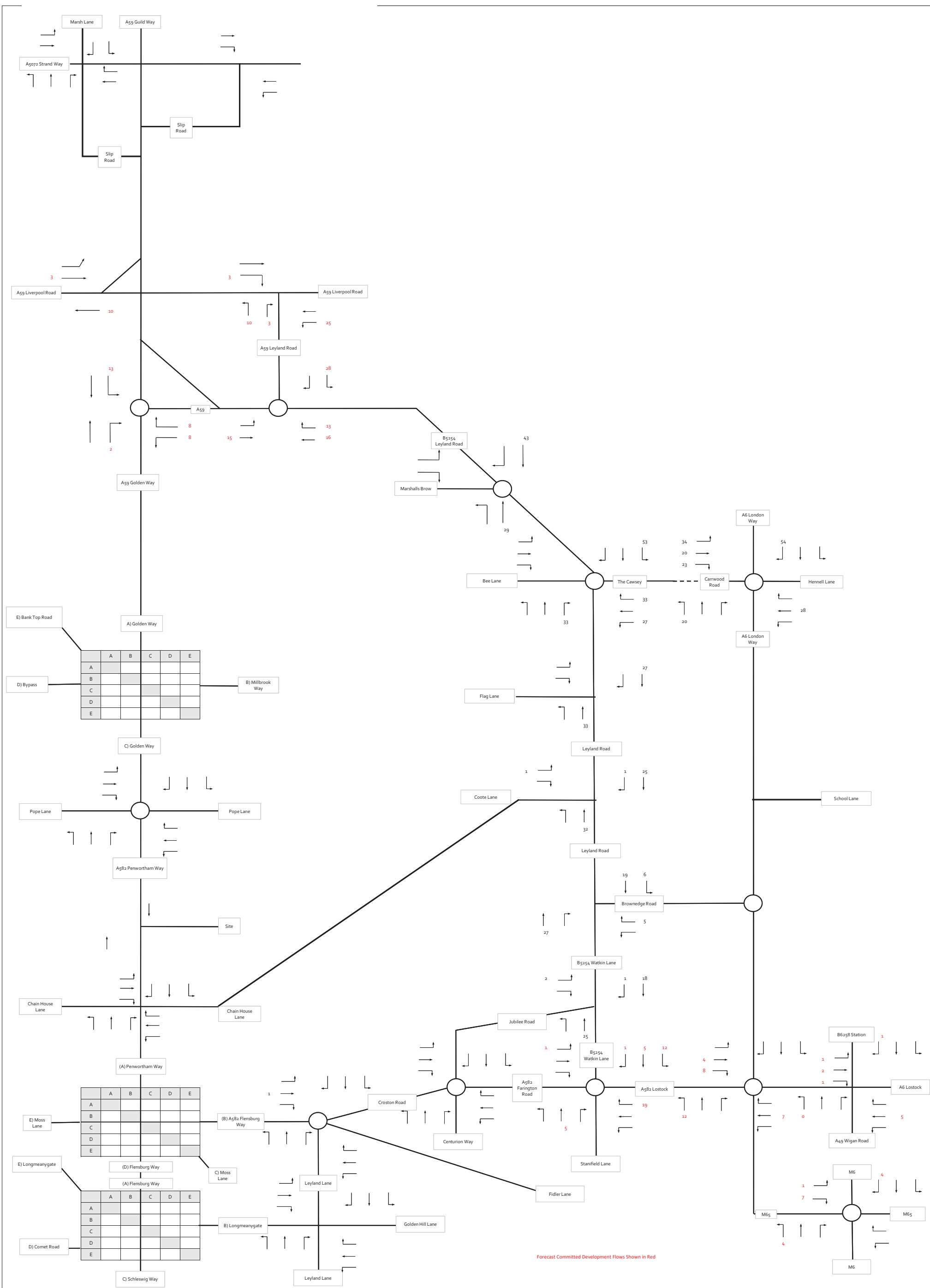


NOTE: CROFT ANALYSIS UPDATED BY LCC MAY 2022

# Former National Grid Site + Trips attracted to CBLR Committed Development Traffic AM-Peak



6th Floor, Quay House, Quay Street, Manchester M3 3JE  
Tel: 0161 827 1740 www.crofts.co.uk info@crofts.co.uk

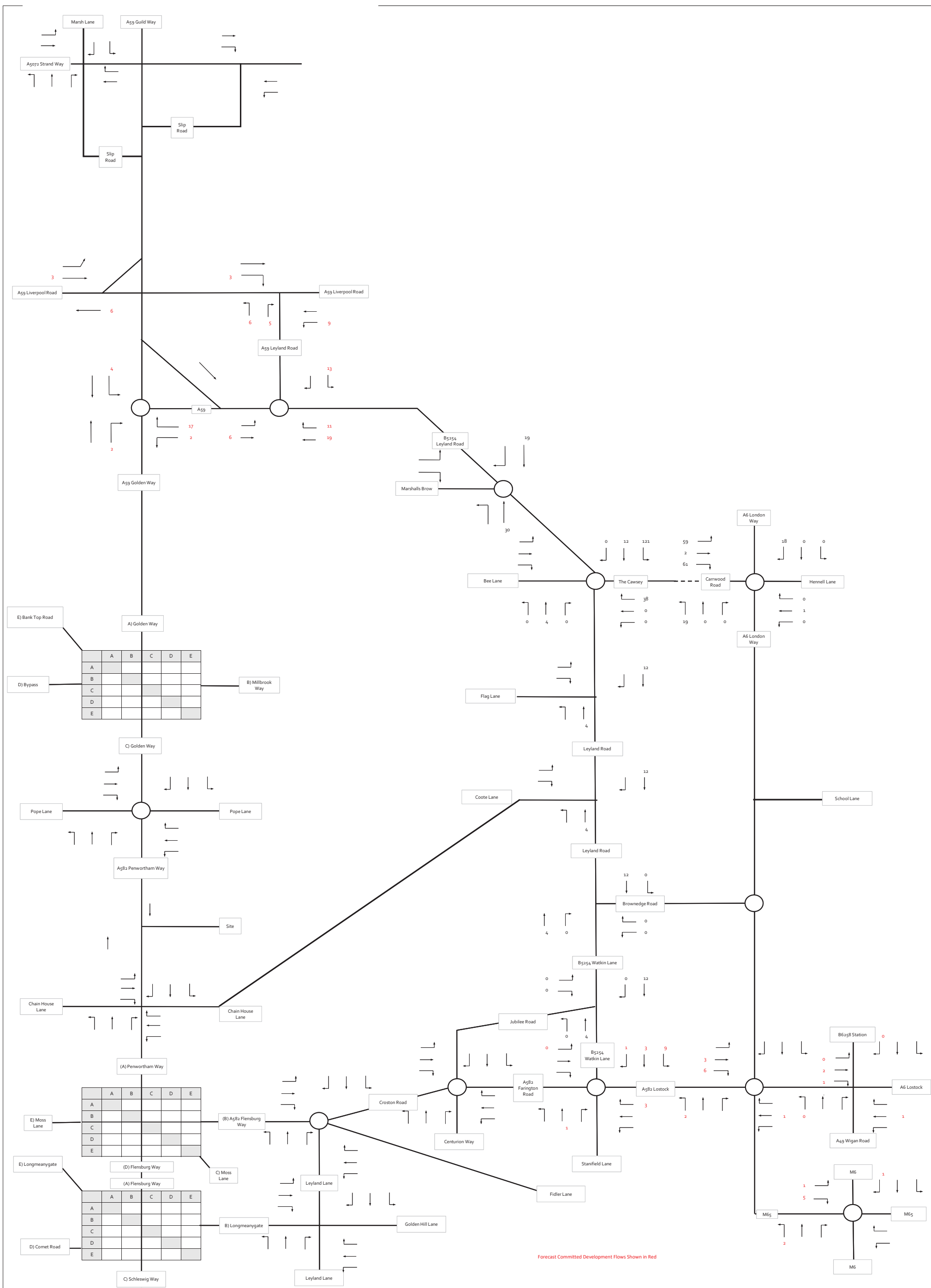


NOTE: CROFT ANALYSIS UPDATED BY LCC MAY 2022

# Former National Grid Site + Trips attracted to CBLR Committed Development Traffic AM-Peak



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Tel: 0161 827 1740 www.crofts.co.uk info@crofts.co.uk



Forecast Committed Development Flows Shown in Red

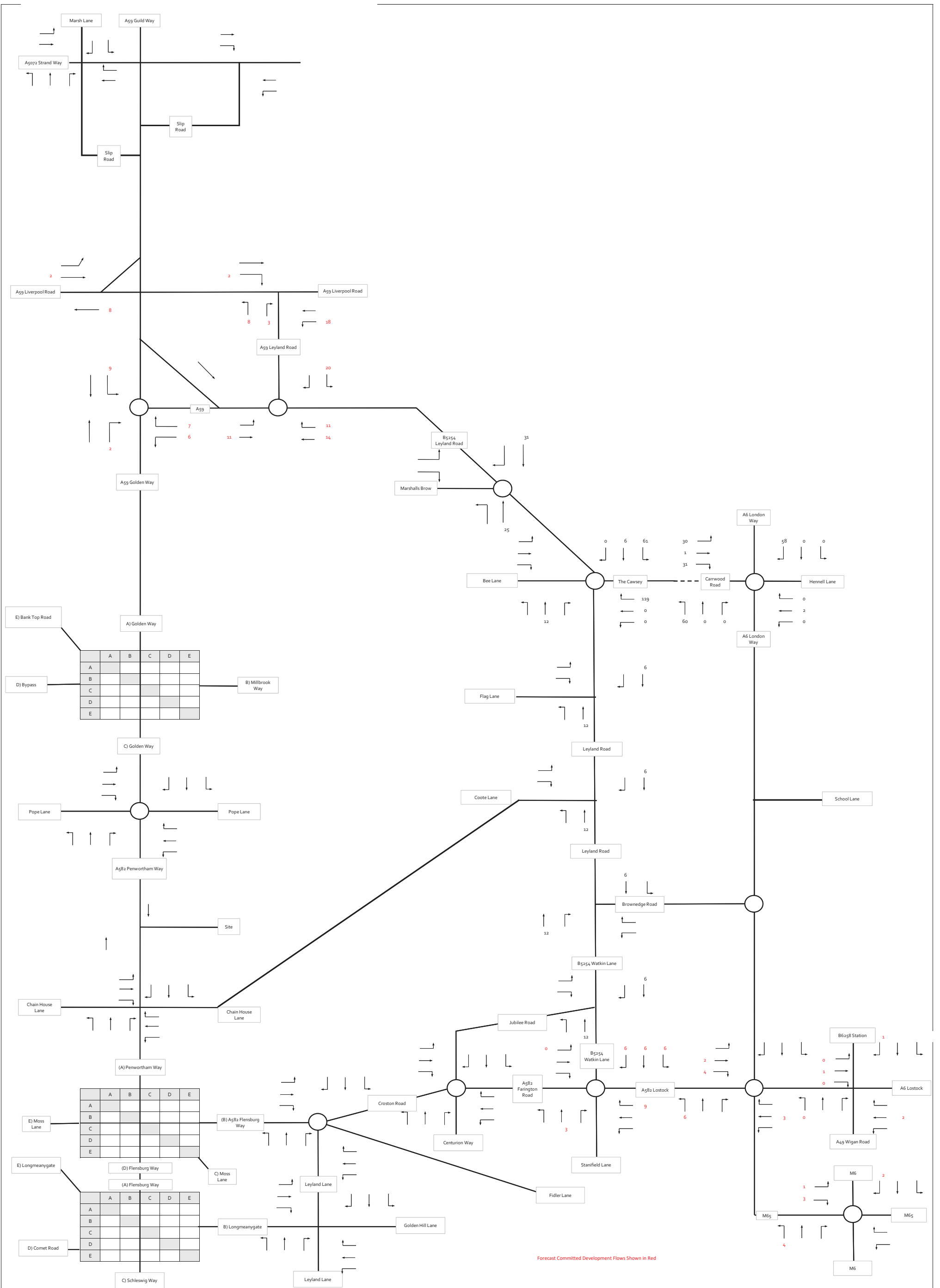
NOTE: CROFT ANALYSIS UPDATED BY LCC MAY 2022

# Penwortham Mills AM-Peak



6th Floor, Quay House, Quay Street, Manchester M3 3JE  
Tel: 0161 827 1740 www.crofts.co.uk info@crofts.co.uk



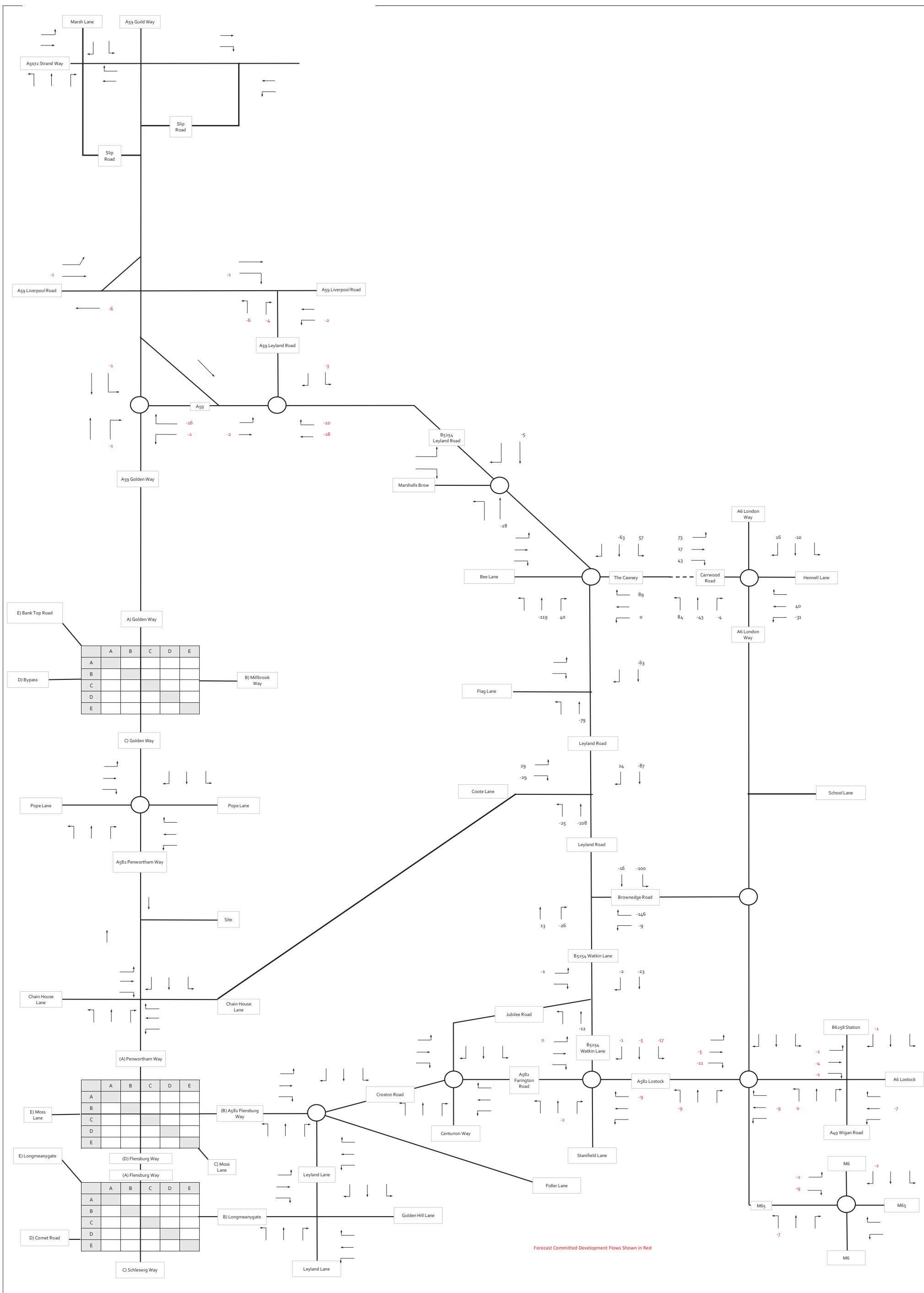


NOTE: CROFT ANALYSIS UPDATED BY LCC MAY 2022

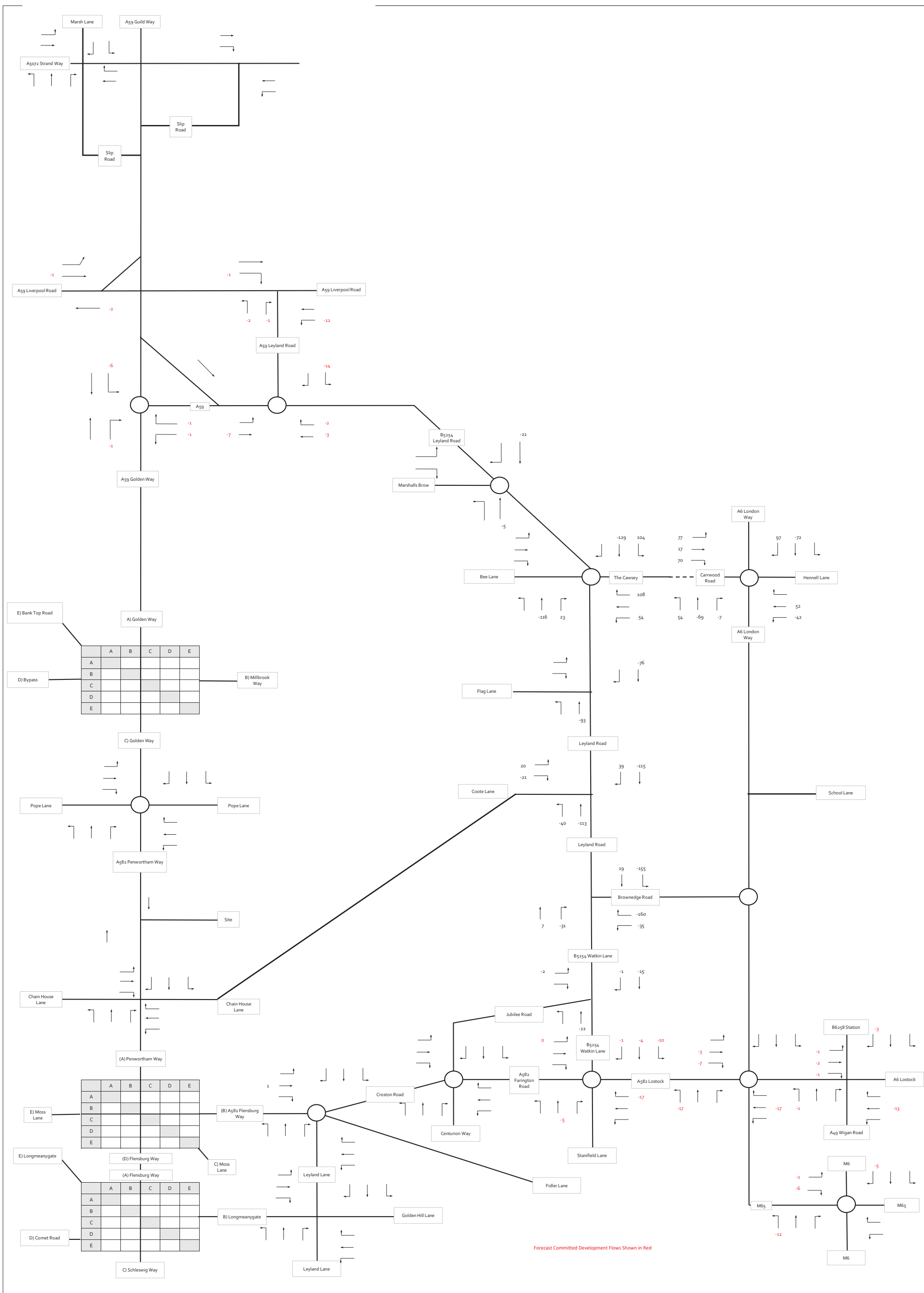
# Penwortham Mills PM-Peak



6th Floor, Quay House, Quay Street, Manchester M3 3JE  
Tel: 0161 827 1740 www.croftts.co.uk info@croftts.co.uk

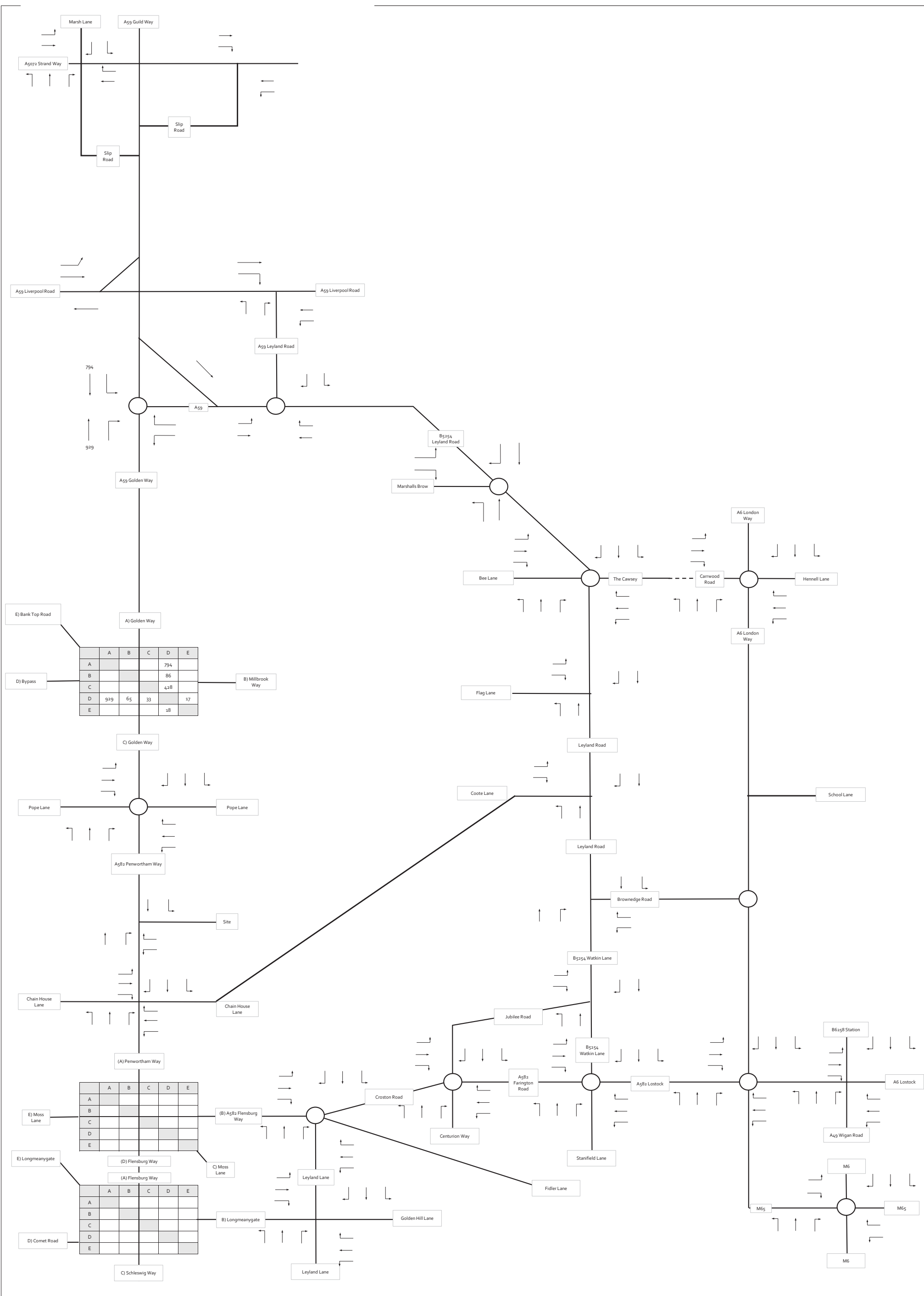


## Cawsey Redistribution AM



# Cawsey Redistribution PM

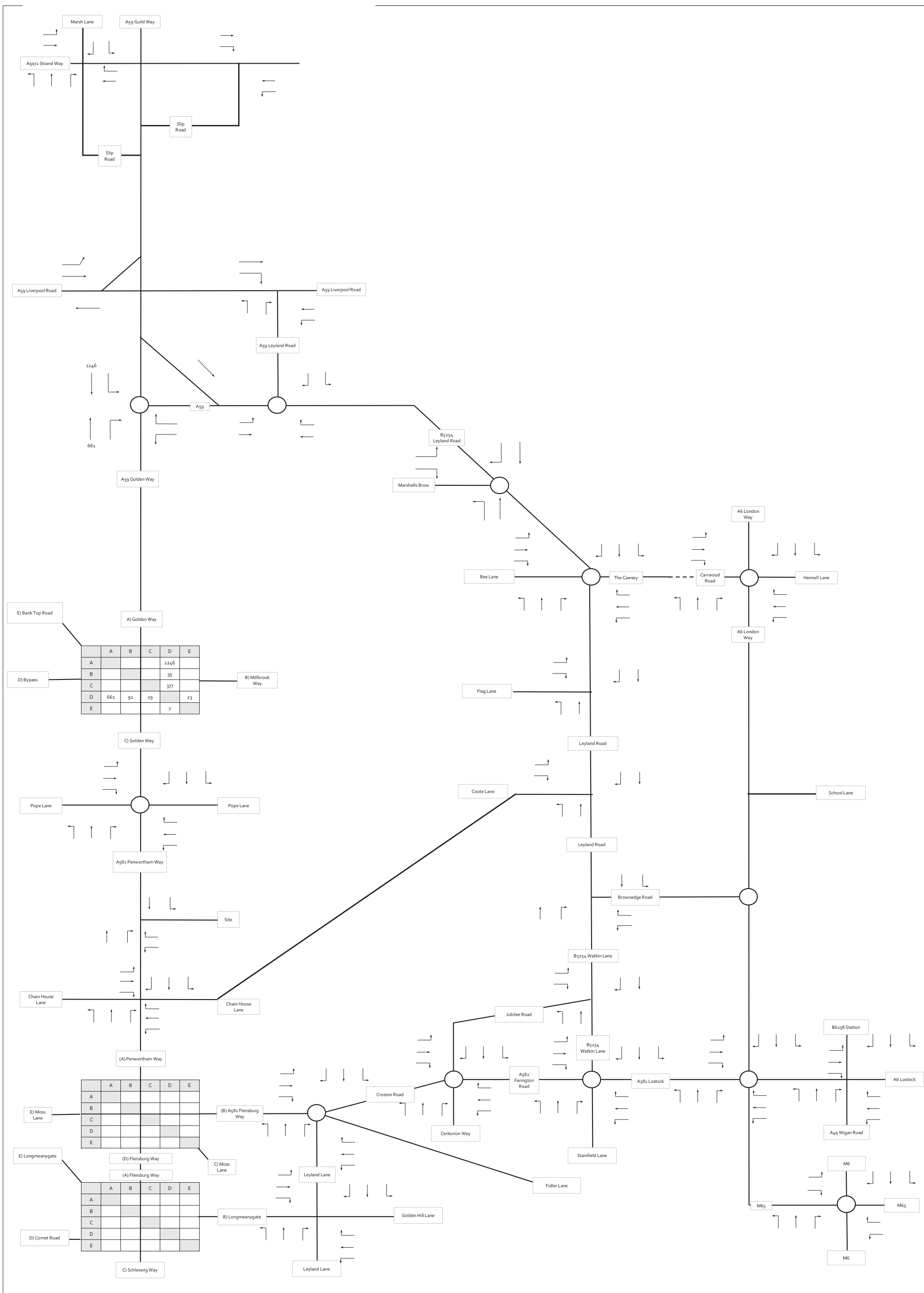




Committed Development - Penwortham Bypass Redistribution AM



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 Tel: 0161 827 1740 www.crofts.co.uk info@crofts.co.uk



# Committed Development - Penwortham Bypass Redistribution PM



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 Tel: 0161 827 1740 www.crofts.co.uk info@crofts.co.uk



**LCC Review / Update**

Factor 2018 to 2035

Preston

South Ribble

**AM**

**Growth Factor**

**Growth Factor**

Area Description		All purpose	All purposes	Area Description		All purpose	All purposes
Level	Name	AM	PM	Level	Name	AM	PM
Region	NW	1.1702	1.1659	Region	NW	1.1702	1.1659
County	Lancashire	1.1640	1.1586	County	Lancashire	1.1640	1.1586
Authority	South Ribb	1.1812	1.1743	Authority	South Ribb	1.1595	1.1547

(LCC work includes includes NTM adjustment in each case!)

**Assumptions**

- Orig / Dest used      Origin and destination are defined in terms of direction of the trip, while production and attraction in terms of land use associated with each trip end
- Area Type - Urban      Trip production is the home end of a non home journey
- All - road types

**Committed Dwellings to discount**

07/2012/0627	350
07/2014/0184	400
Pickerings Farm	1100
07/2015/0315	280
Gas works	200
	2330

**Applying alternative assumptions (2330)**

Base HH, Orig	Amended Base HH (+2330)
3154023	3156353
645544	647874
48959	51289

**NOTE: CROFT ANALYSIS UPDATED BY LCC MAY 2022**

**empro - NTM adjusted growth factorsNTM**

South Ribble

**Growth Factor**

Area Description		All purpose	All purposes
Level	Name	AM	PM
Region	NW	1.1699	1.1655
County	Lancashire	1.1621	1.1566
Authority	South Ribb	1.1344	1.1264

## 16D Flow Diagrams



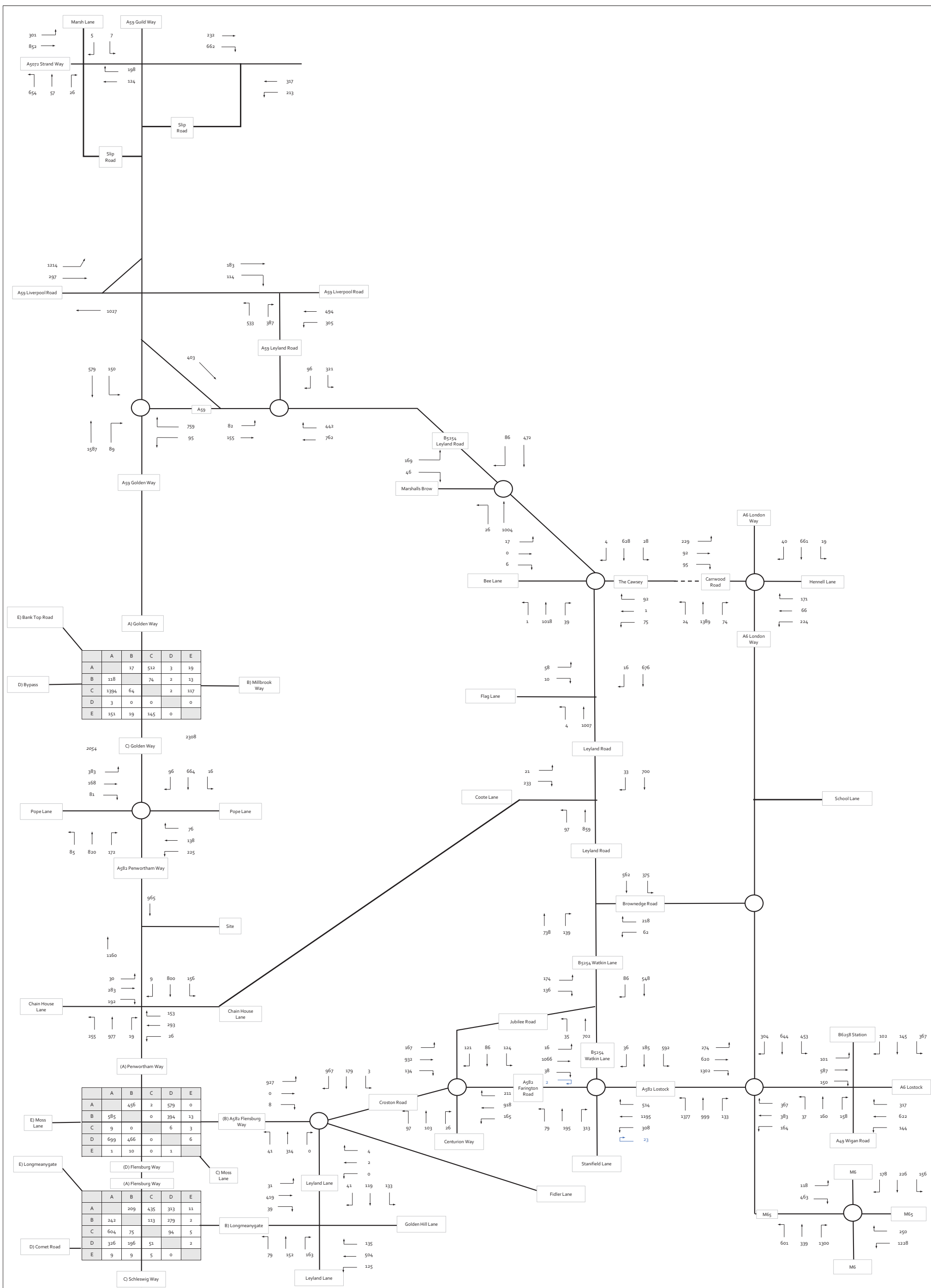
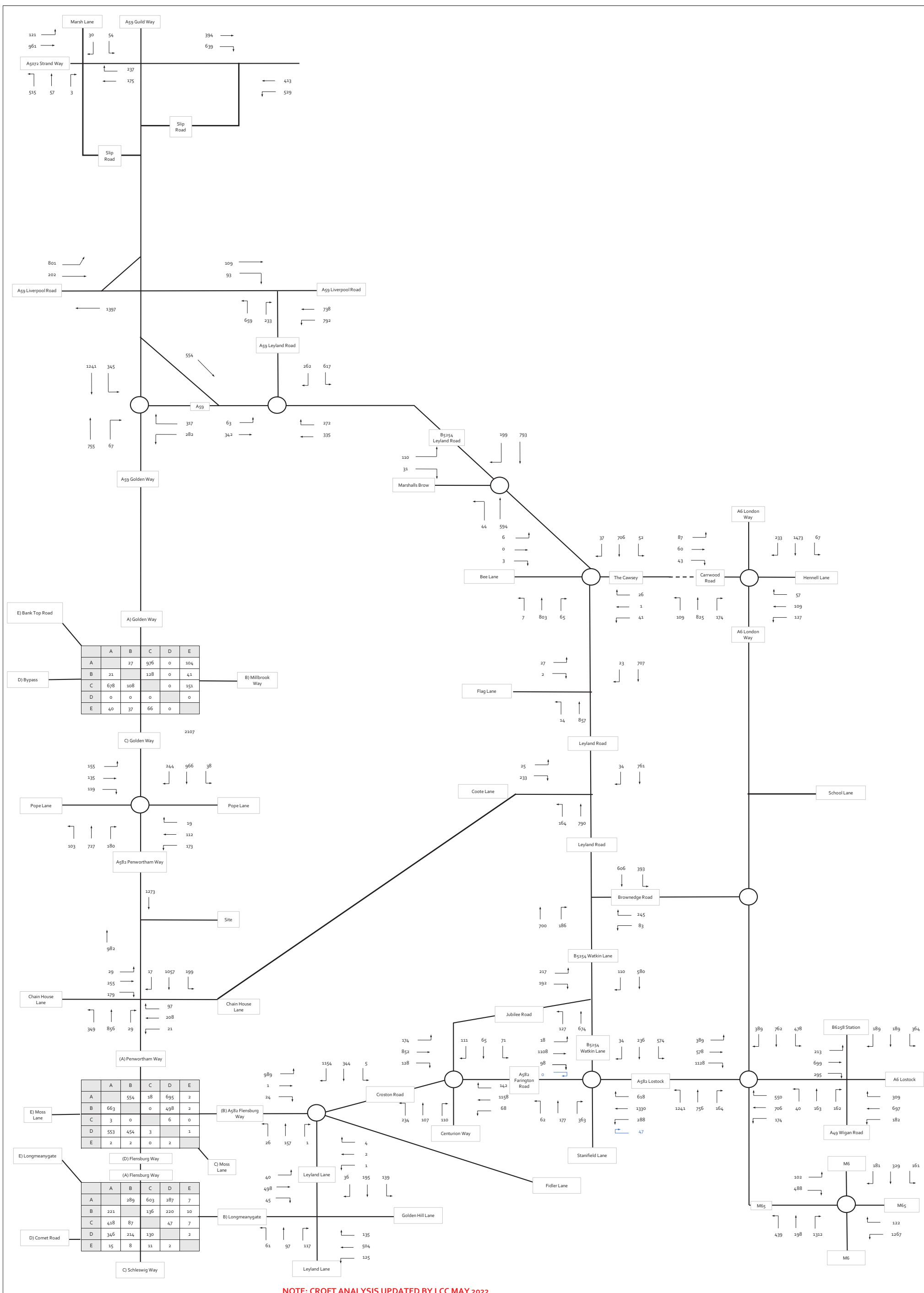


Figure 1 - 2018 Observed AM-Peak Flows (PCUs)





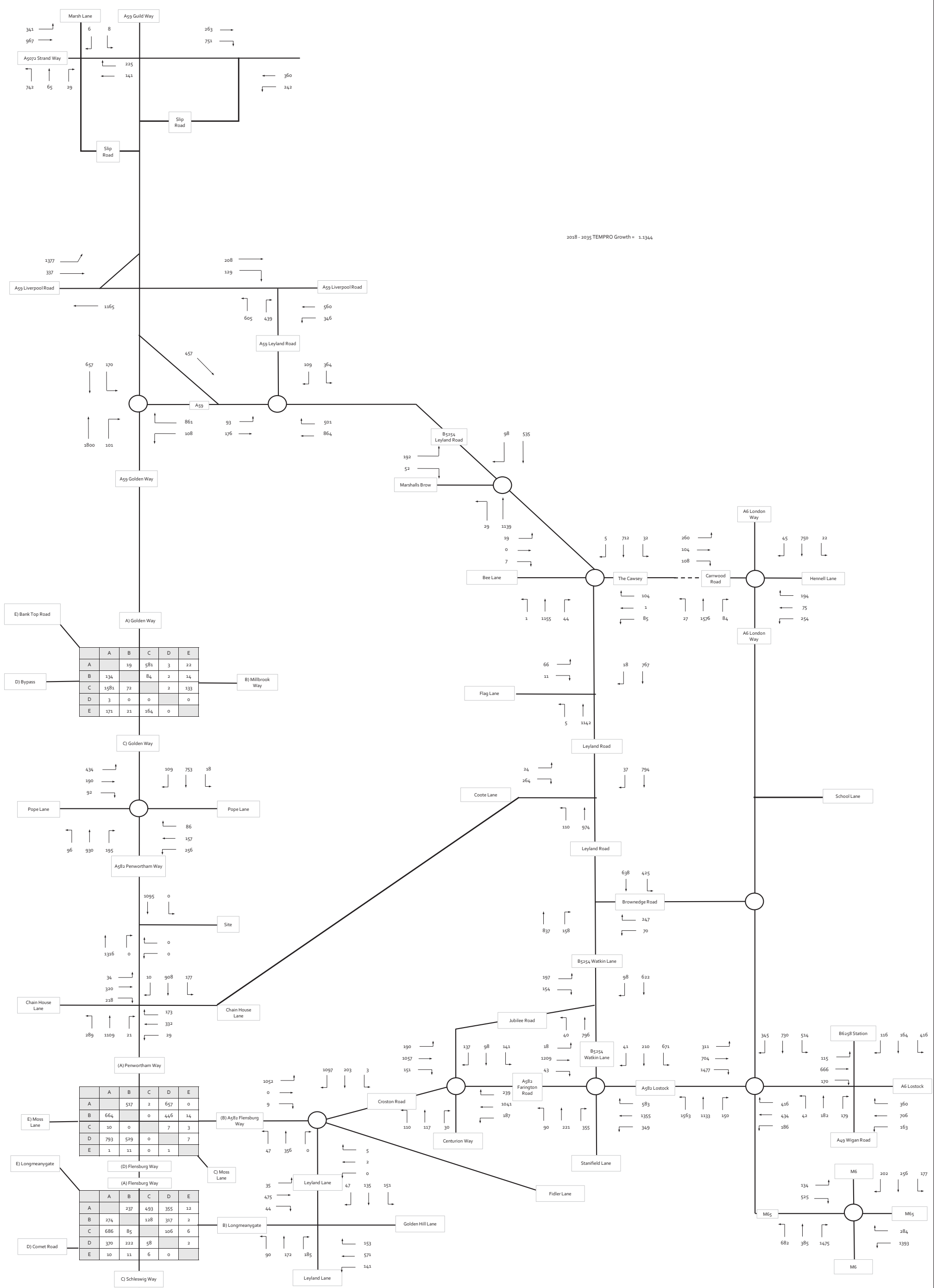
NOTE: CROFT ANALYSIS UPDATED BY LCC MAY 2022

Figure 2 - 2018 Observed PM-Peak Flows (PCUs)



Croft Transport Planning & Design  
Hill Quays  
9 Jordan Street  
Manchester  
M15 4PY

2018 - 2035 TEMPRO Growth = 1.1344

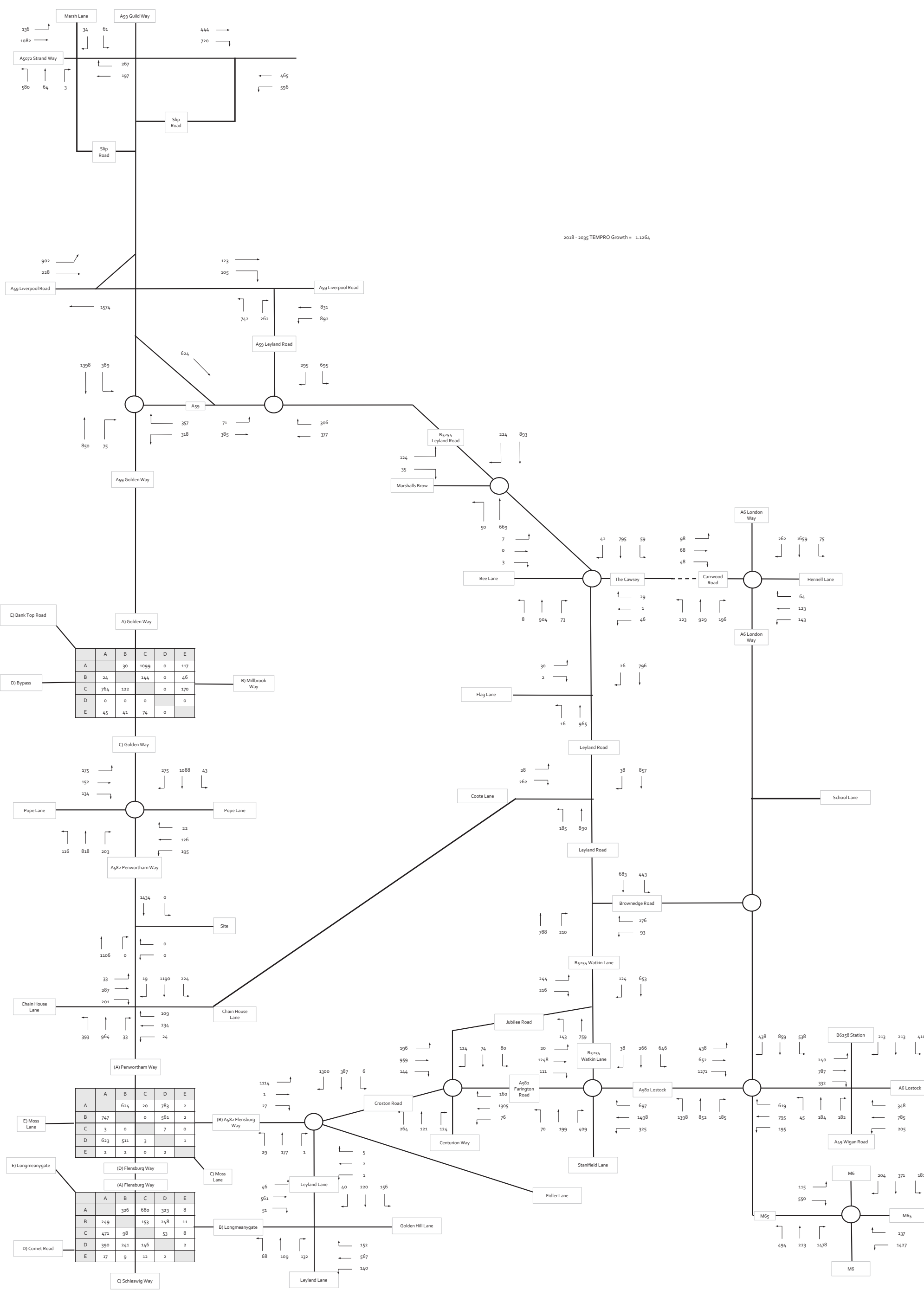


NOTE: CROFT ANALYSIS UPDATED BY LCC MAY 2022

Figure 3 - 2035 Factored AM-Peak Flows (PCUs)



Croft Transport Planning & Design  
 Hill Quays  
 9 Jordan Street  
 Manchester  
 M15 4PY



NOTE: CROFT ANALYSIS UPDATED BY LCC MAY 2022

Figure 4 - 2035 Factored PM-Peak Flows (PCUs)



**Croft Transport Planning & Design**  
 Hill Quays  
 9 Jordan Street  
 Manchester  
 M15 4PY

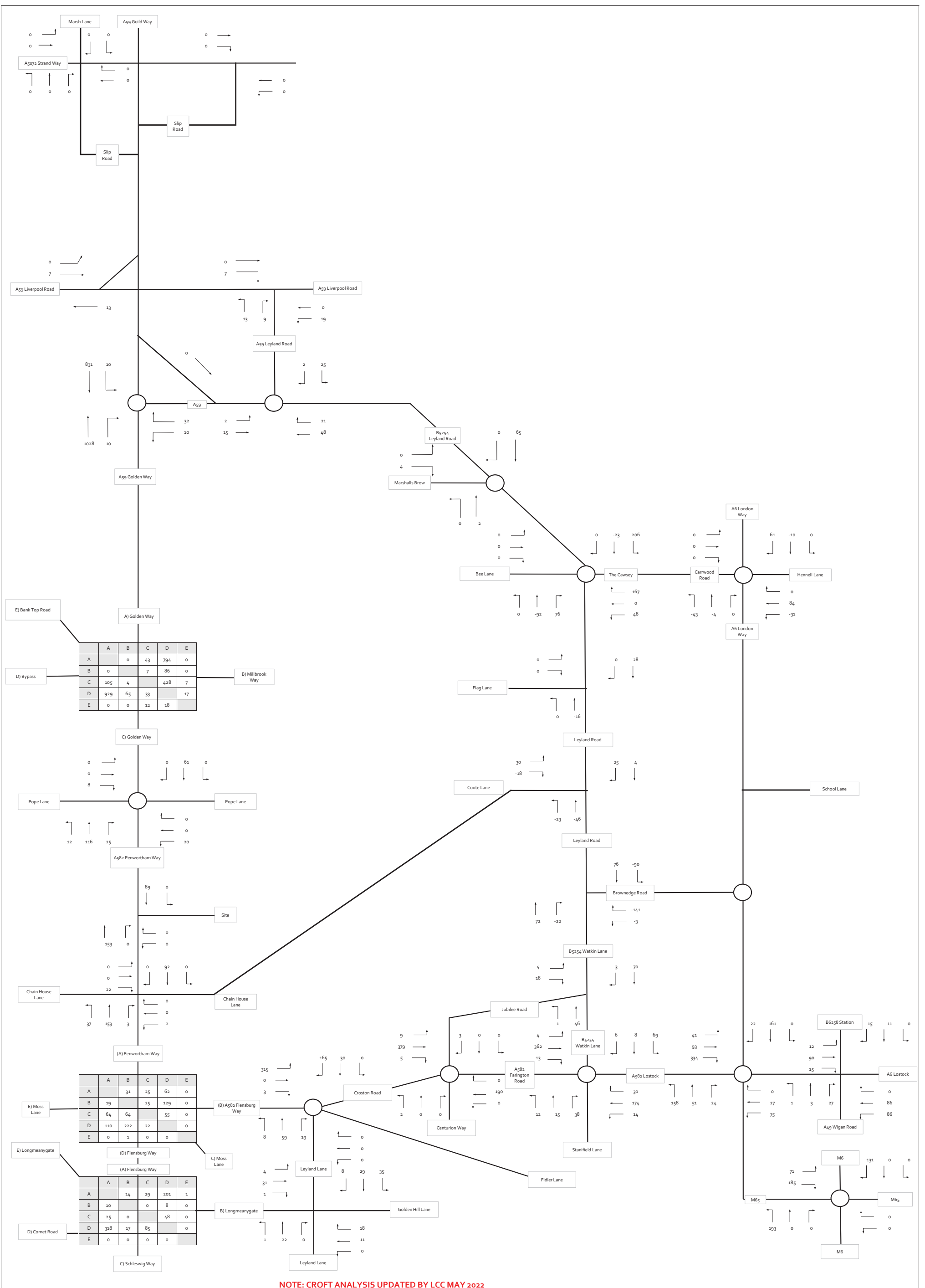


Figure 5 - Committed Development Total AM-Peak Flows (PCUs)



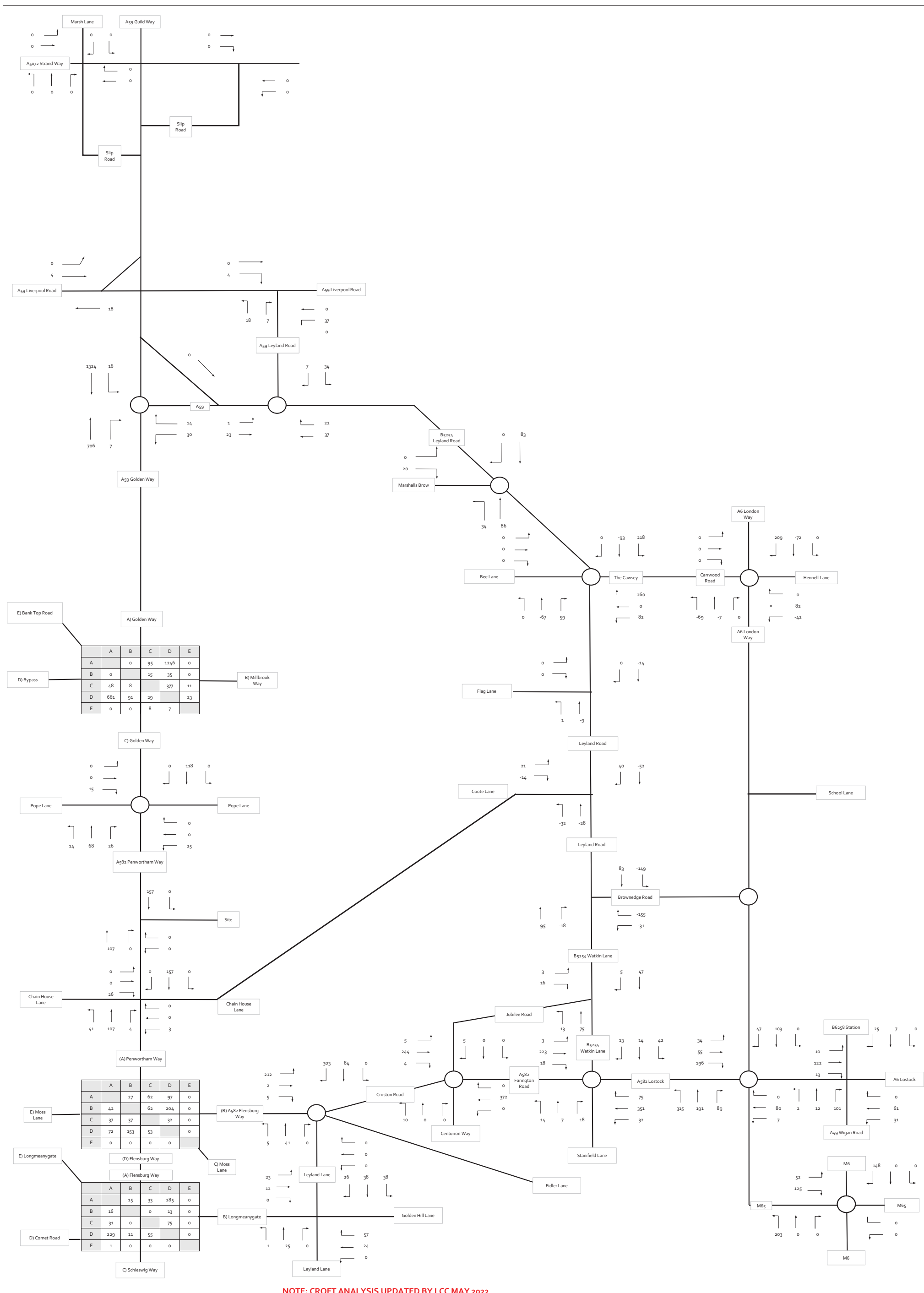


Figure 6 - Committed Development Total PM-Peak Flows (PCUs)



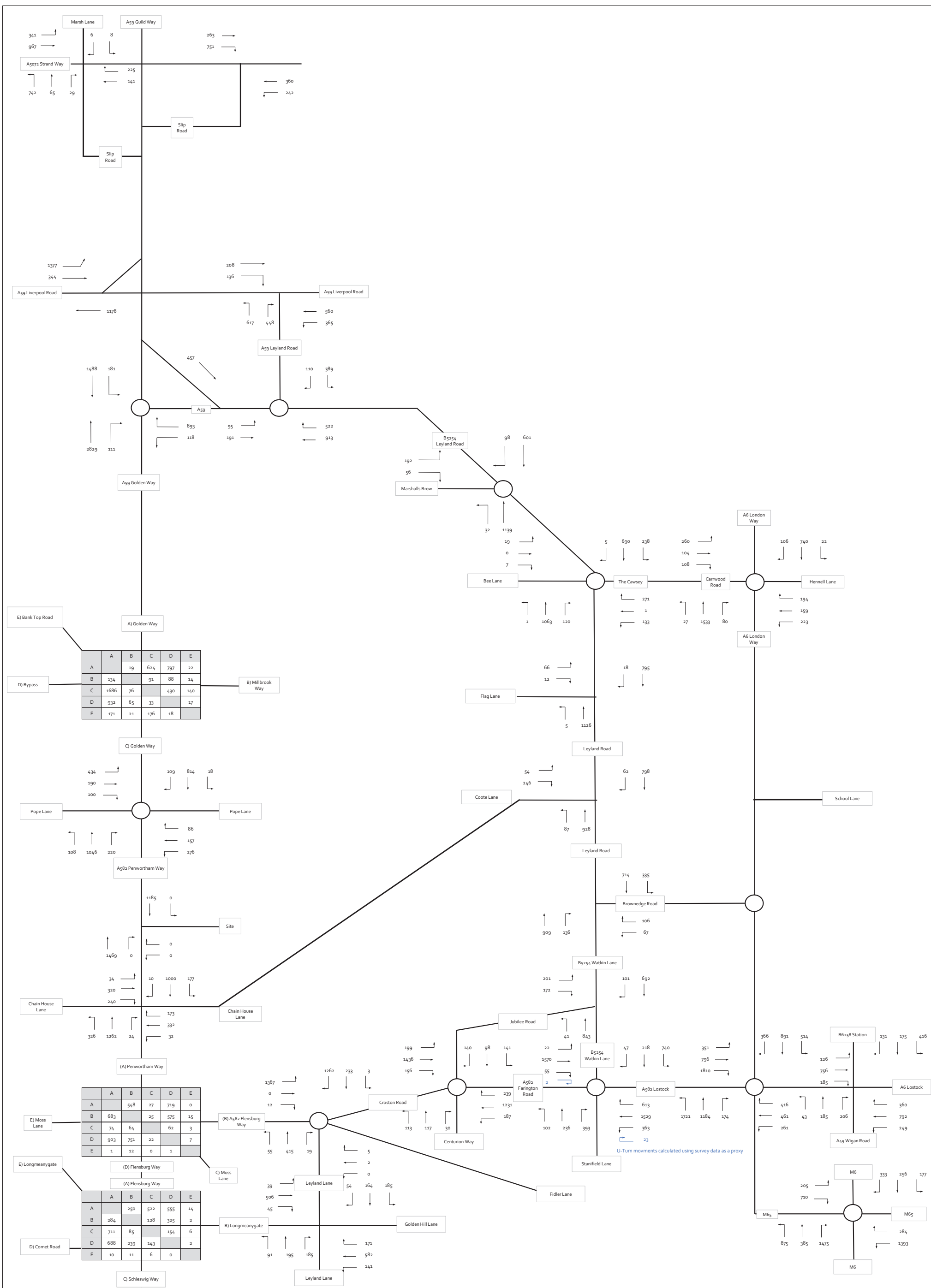
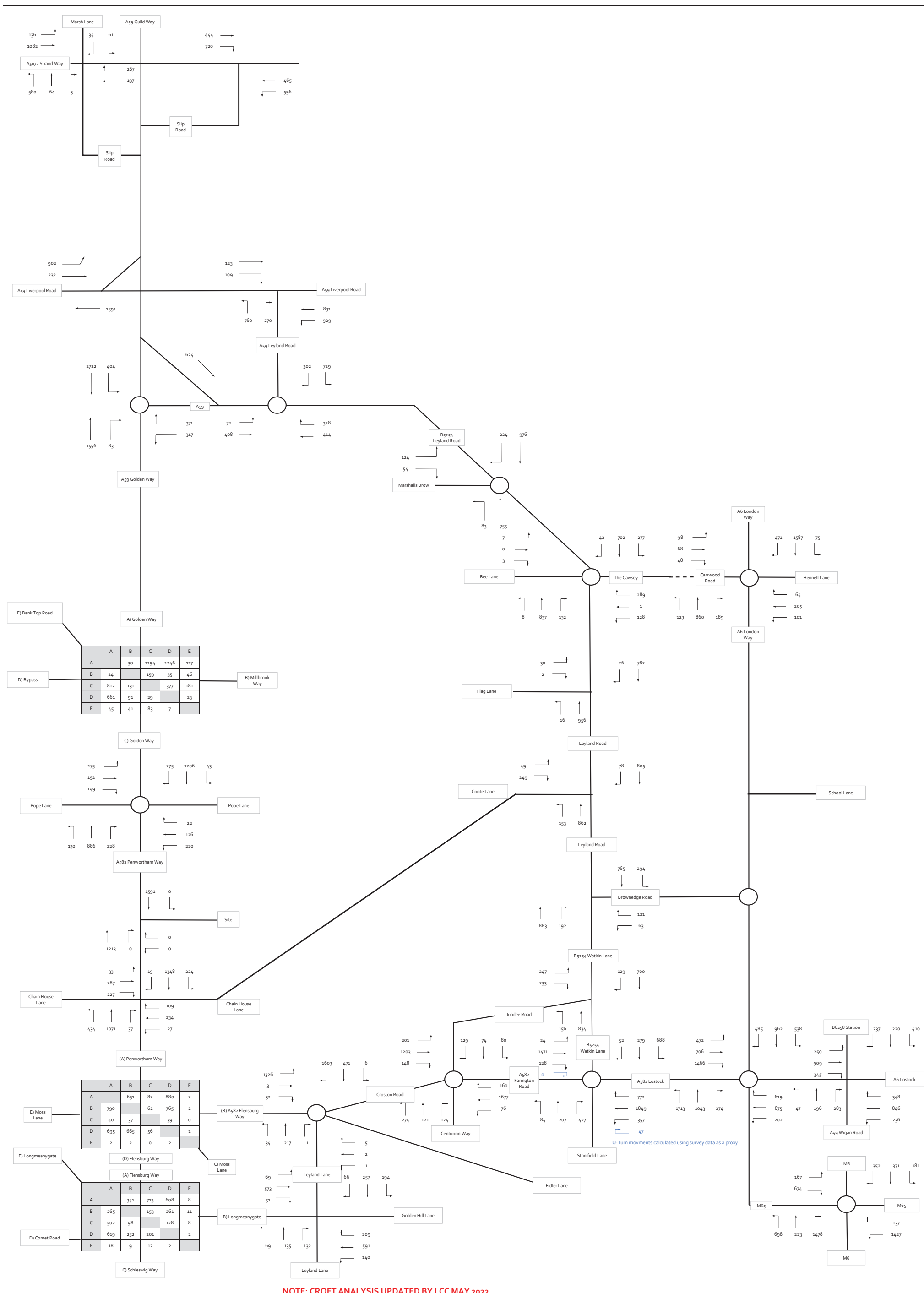


Figure 7 - 2035 Base AM-Peak Flows (PCUs)





NOTE: CROFT ANALYSIS UPDATED BY LCC MAY 2022

Figure 8 - 2035 Base PM-Peak Flows (PCUs)



Croft Transport Planning & Design  
Hill Quays  
9 Jordan Street  
Manchester  
M15 4PY



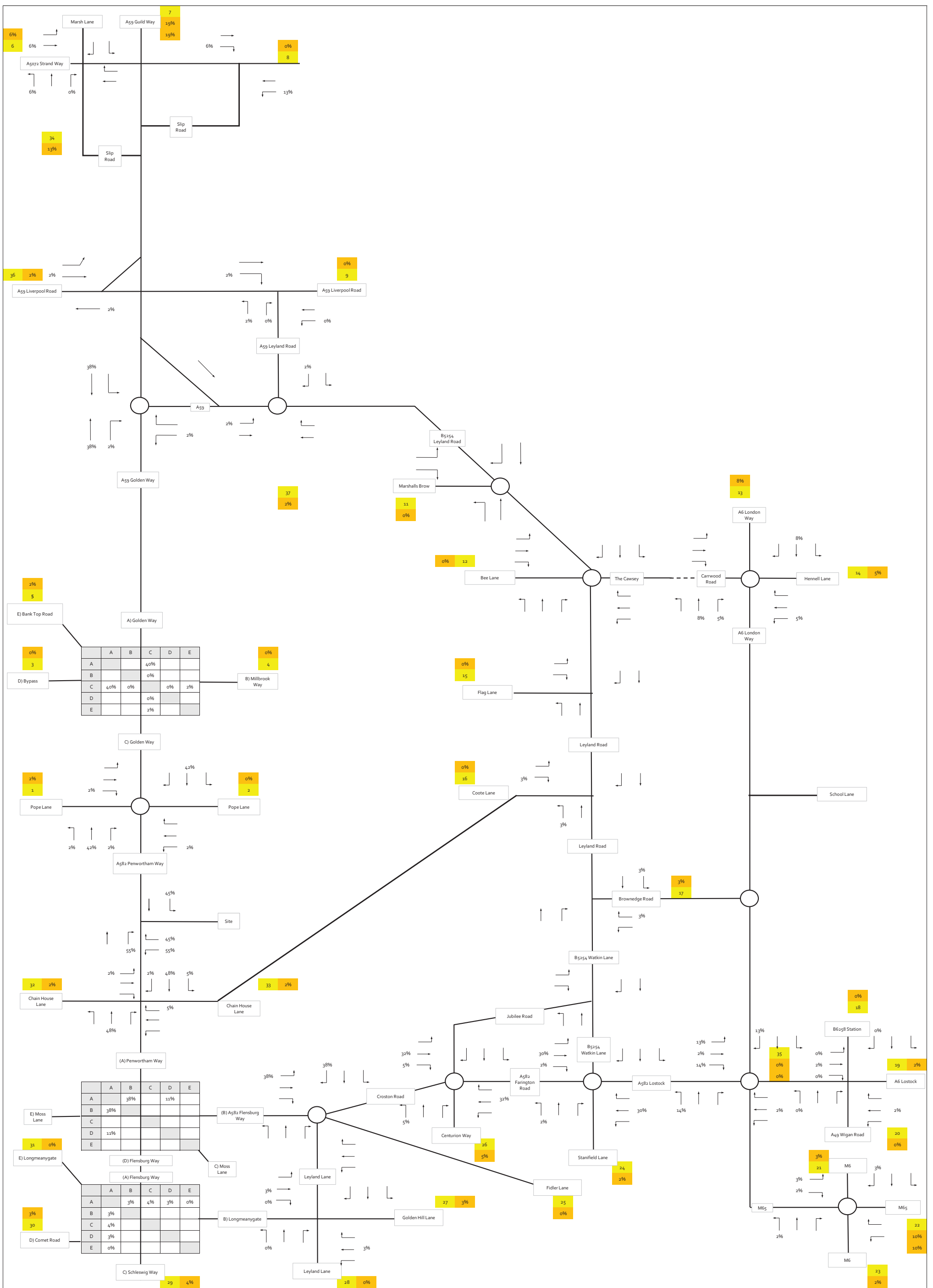
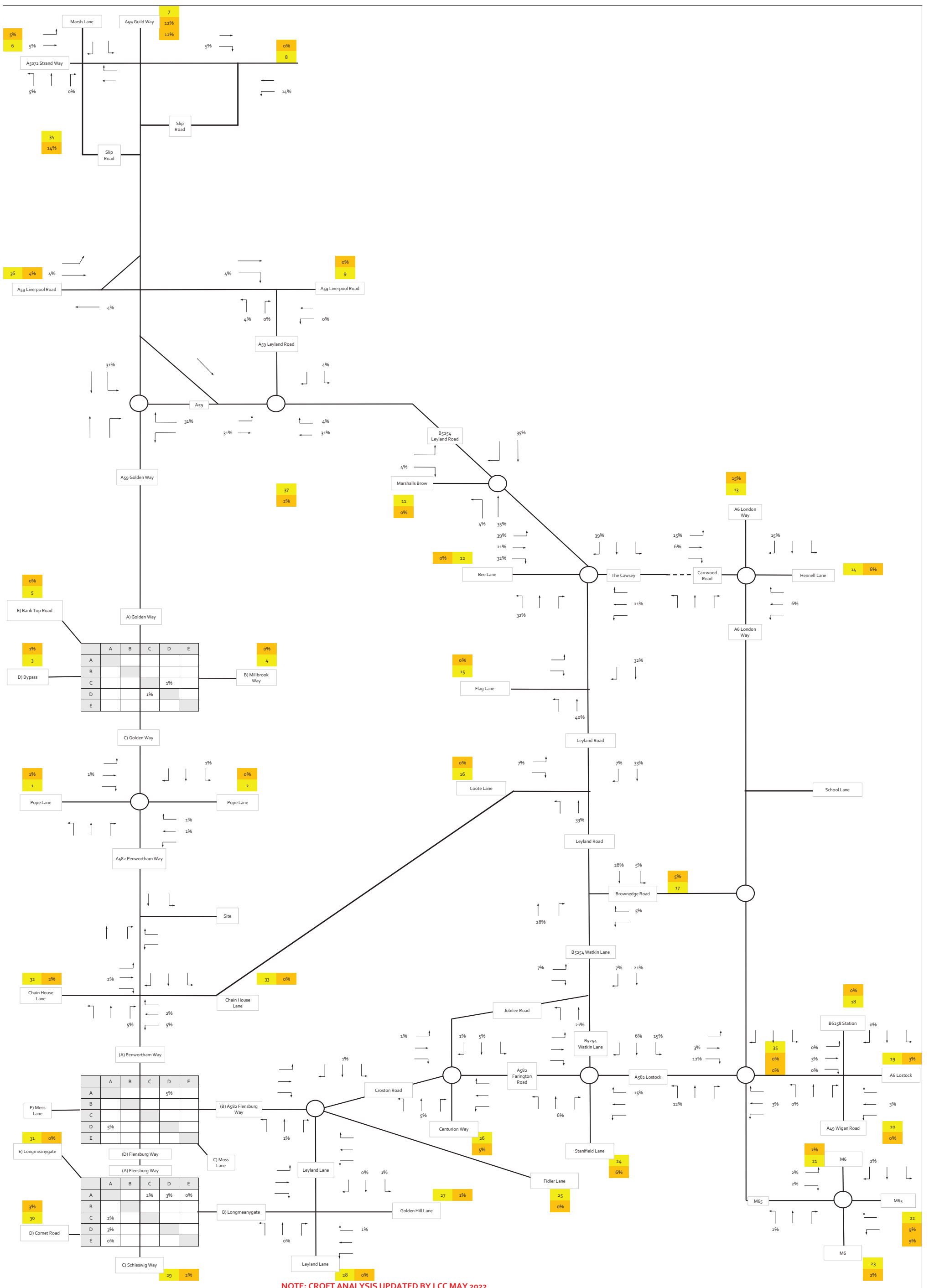


Figure 9 - A582 Access Distribution

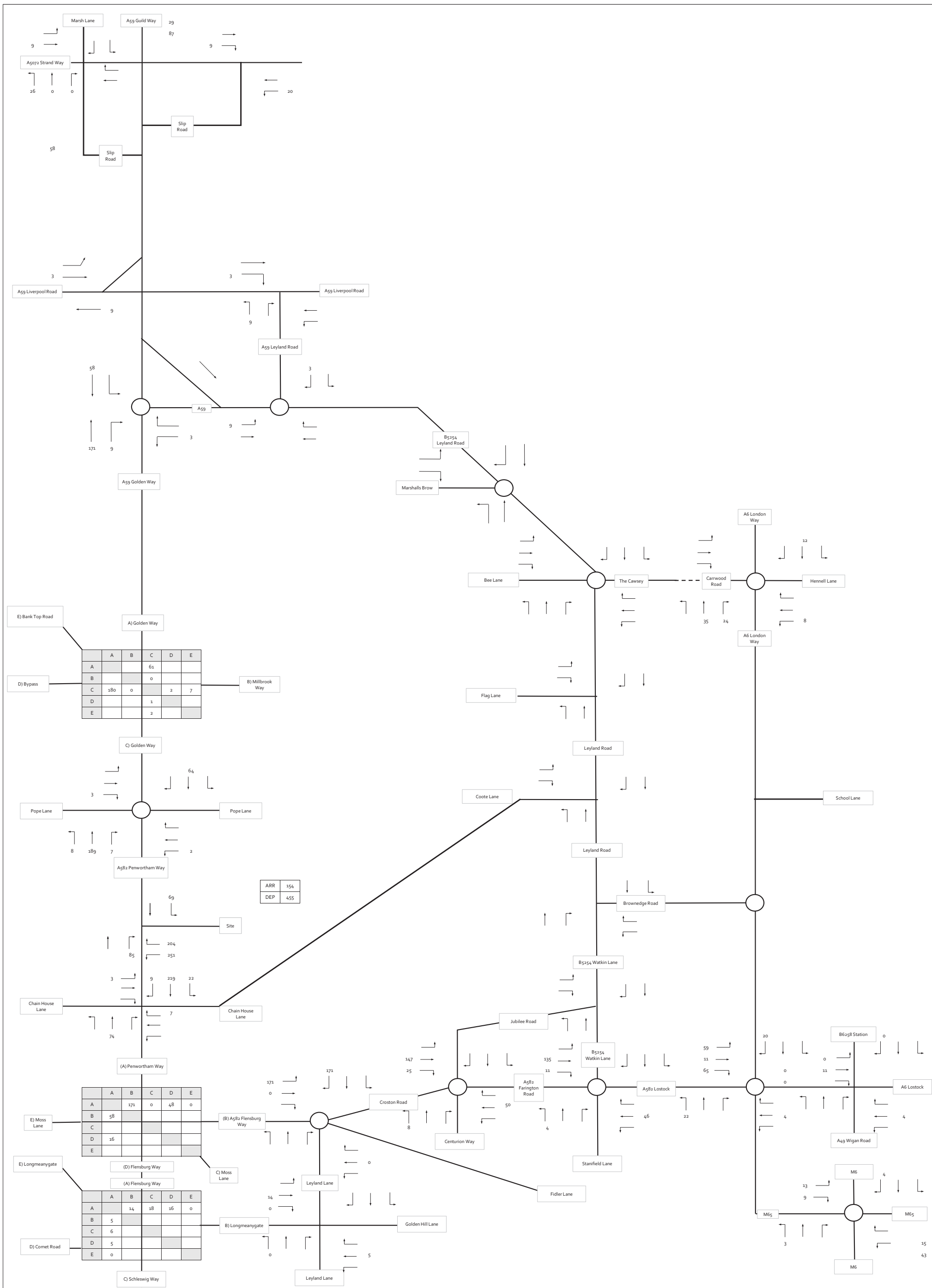




NOTE: CROFT ANALYSIS UPDATED BY LCC MAY 2022

Figure 10 - B5254 Access Distribution (Bee Lane)





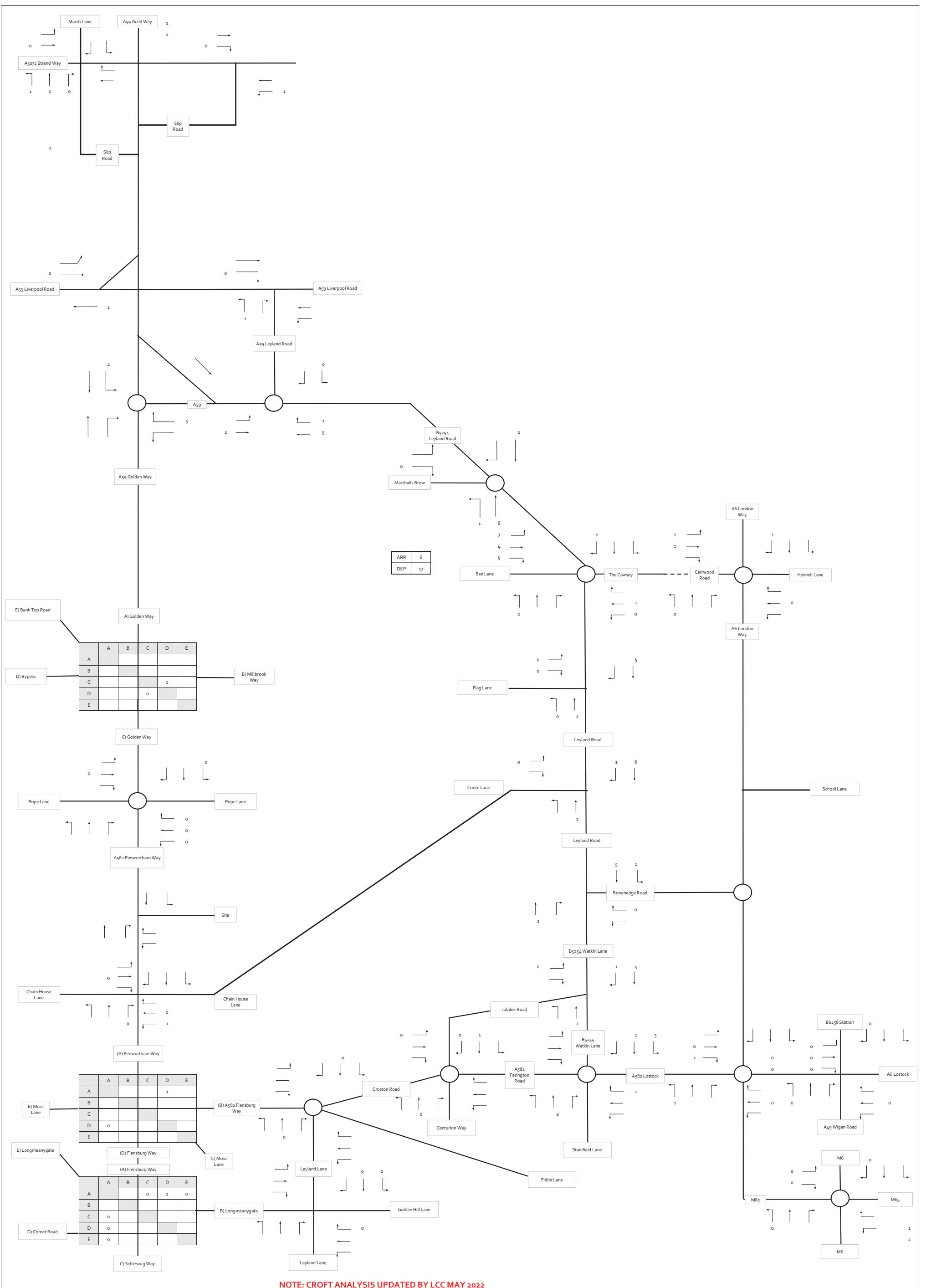
NOTE: CROFT ANALYSIS UPDATED BY LCC MAY 2022

Figure 12 - Development Traffic A582 Access AM Peak Distribution



Croft Transport Planning & Design  
 Hill Quays  
 9 Jordan Street  
 Manchester  
 M15 4PY



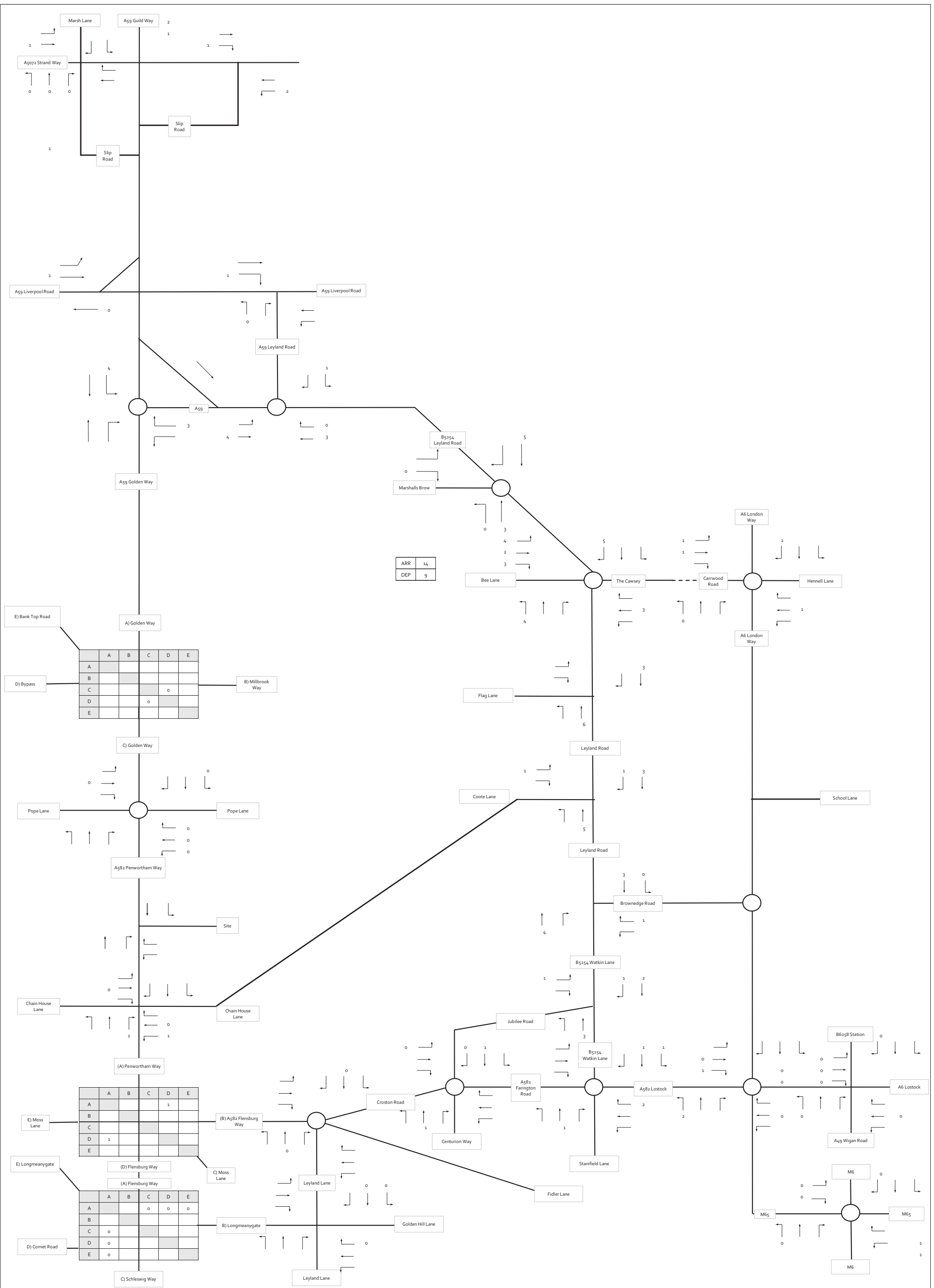


NOTE: CROFT ANALYSIS UPDATED BY LCC MAY 2022

Figure 14 - Development Traffic B5254 Access AM Peak Distribution



Croft Transport Planning & Design  
 Hill Quays  
 9 Jordan Street  
 Manchester  
 M15 4PY



NOTE: CROFT ANALYSIS UPDATED BY LCC MAY 2022

Figure 15 - Development Traffic B5254 Access PM Peak Distribution

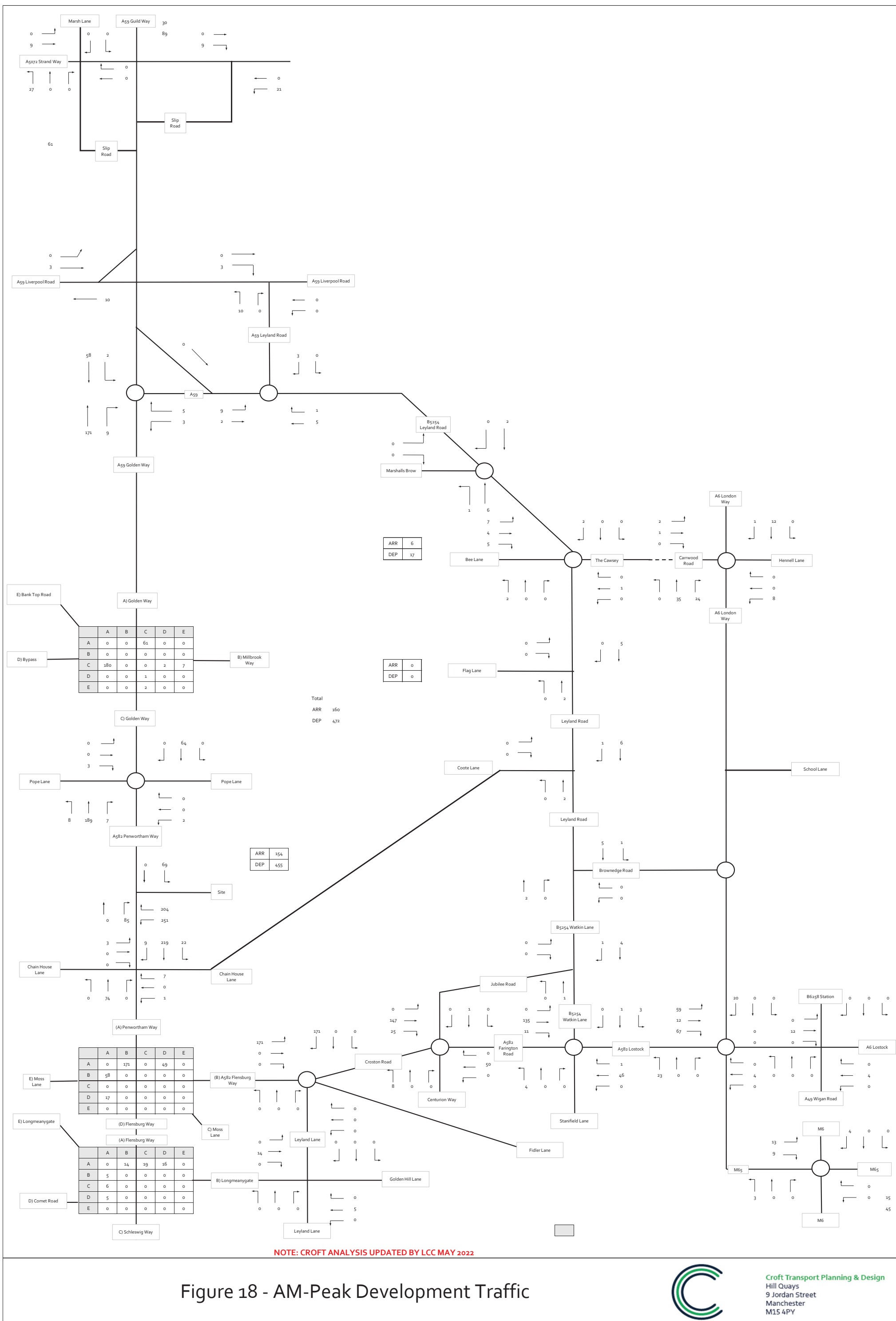
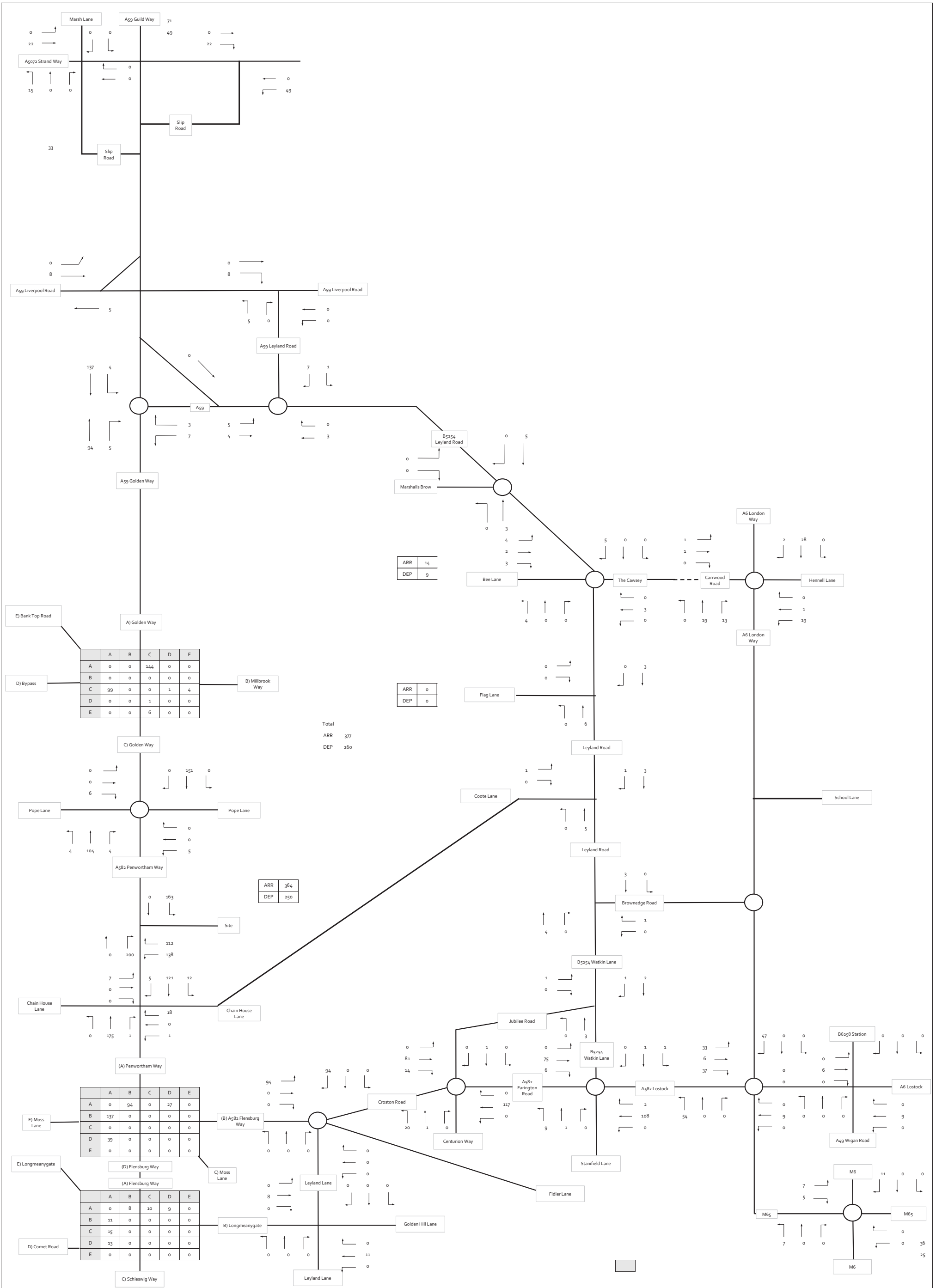


Figure 18 - AM-Peak Development Traffic





NOTE: CROFT ANALYSIS UPDATED BY LCC MAY 2022

Figure 19 - PM-Peak Development Traffic



Croft Transport Planning & Design  
Hill Quays  
9 Jordan Street  
Manchester  
M15 4PY



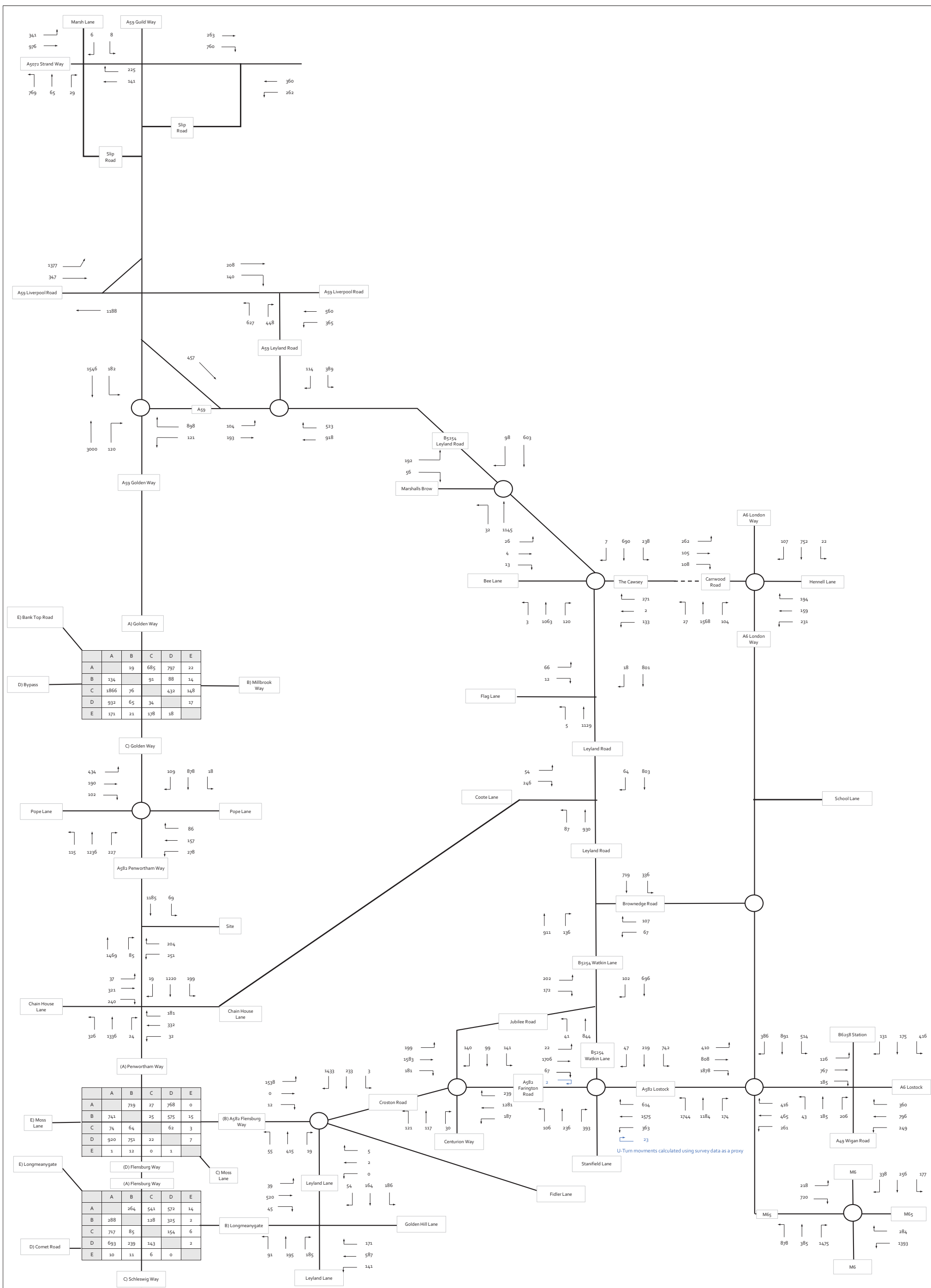


Figure 20 - 2035 Base + Development AM-Peak Flows (PCUs)



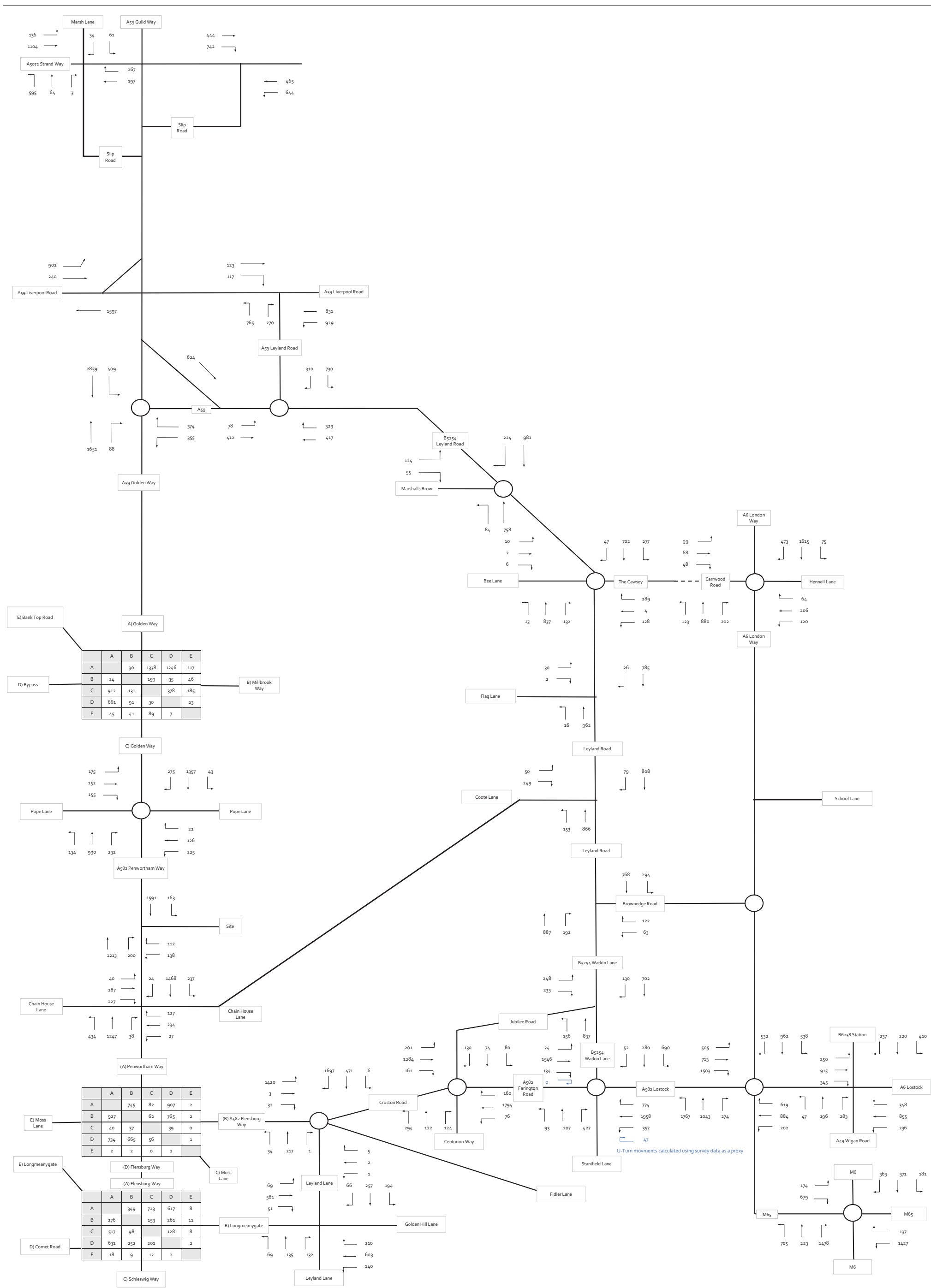


Figure 21 - 2035 Base + Development PM-Peak Flows (PCUs)



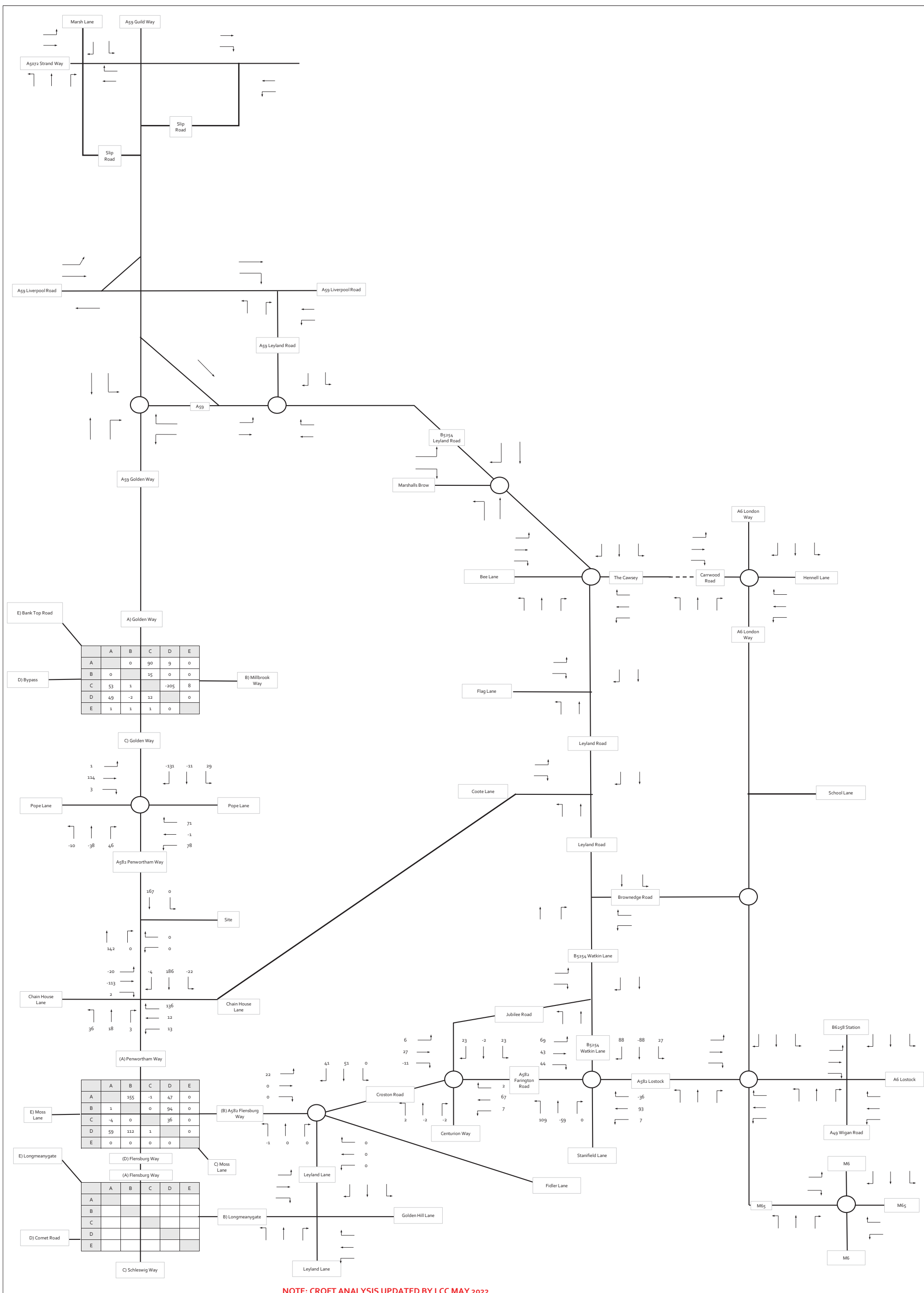
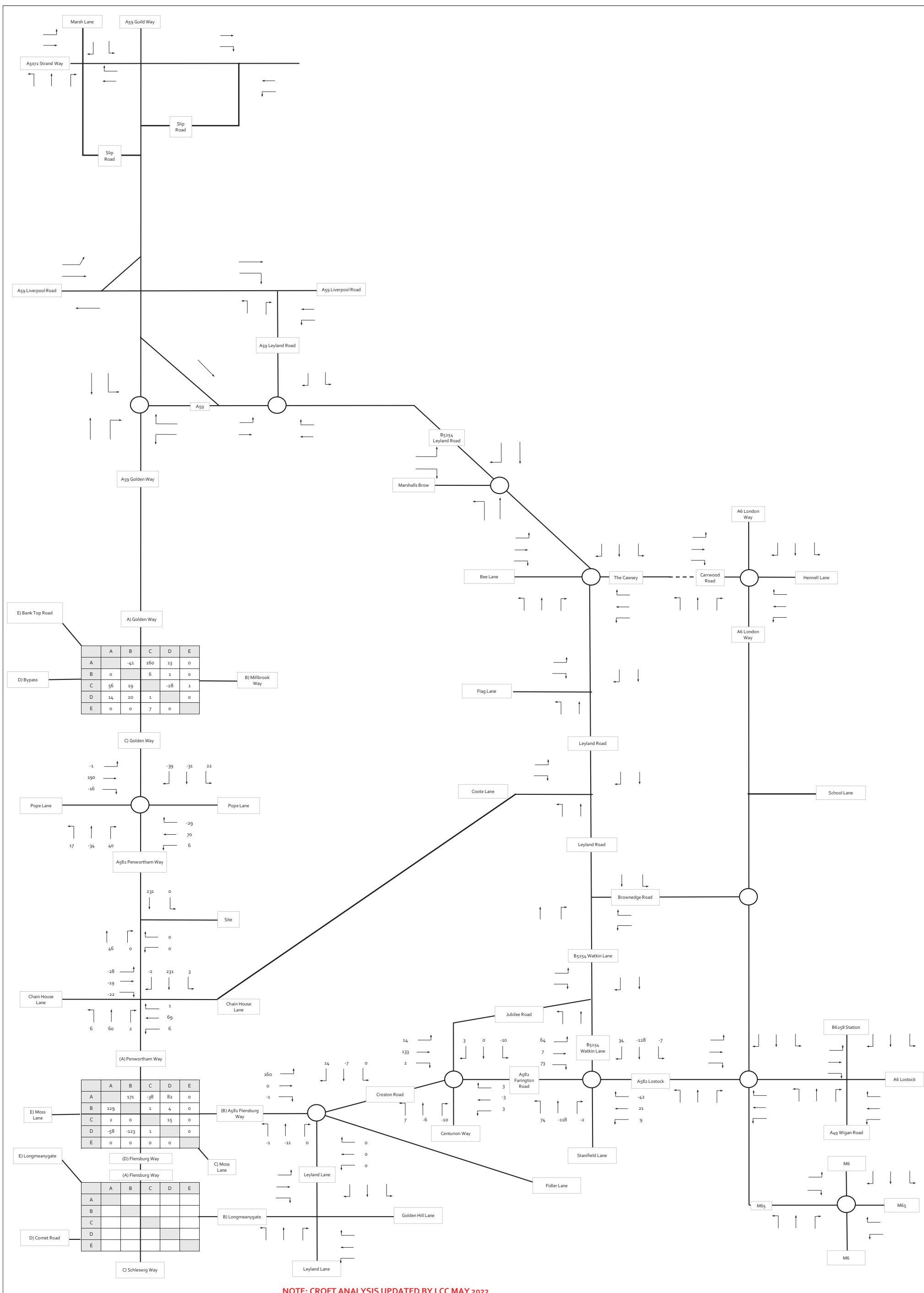


Figure 22 - A582 Dualling Transfer of Trips - AM Peak



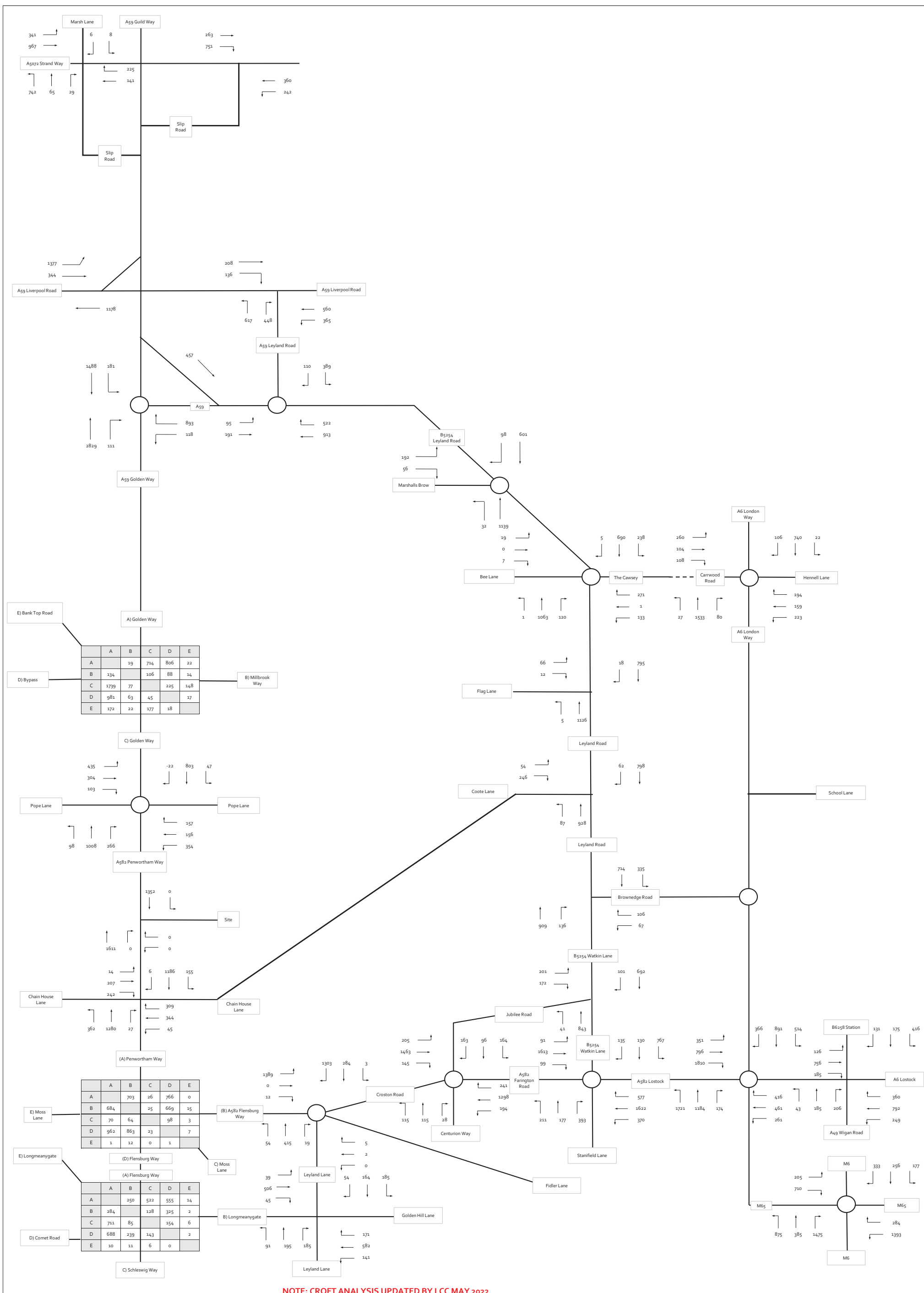


NOTE: CROFT ANALYSIS UPDATED BY LCC MAY 2022

Figure 23 - A582 Dualling Transfer of Trips - PM Peak



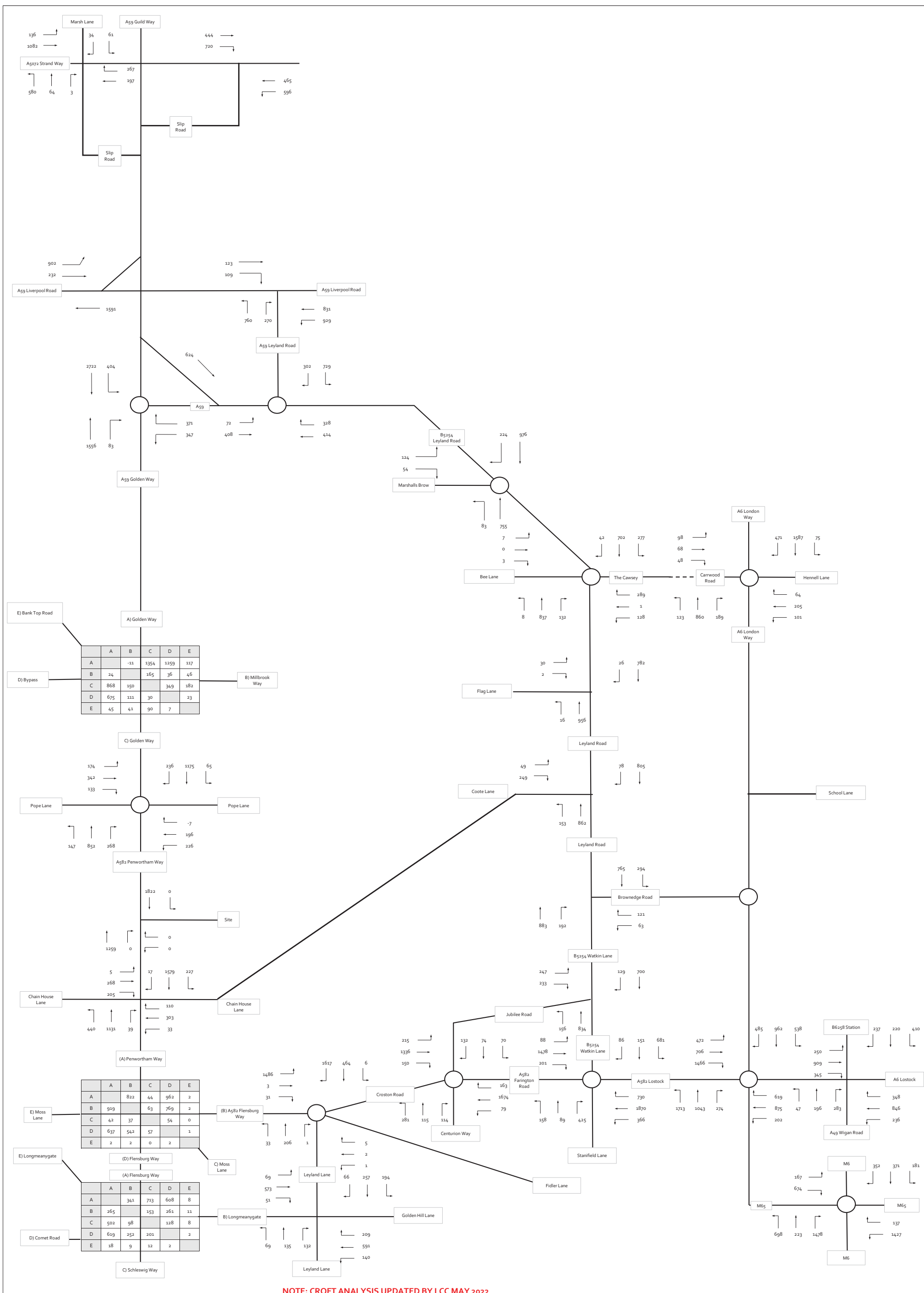
Croft Transport Planning & Design  
 Hill Quays  
 9 Jordan Street  
 Manchester  
 M15 4PY



NOTE: CROFT ANALYSIS UPDATED BY LCC MAY 2022

Figure 24 - 2035 Base (With Dualling Scheme) AM-Peak Flows (PCUs)





	A	B	C	D	E
A		-11	1354	1259	117
B	24		165	36	46
C	868	150		349	182
D	675	111	30		23
E	45	41	90	7	

	A	B	C	D	E
A		822	44	962	2
B	919		63	769	2
C	42	37		54	0
D	637	542	57		1
E	2	2	0	2	

	A	B	C	D	E
A		341	713	608	8
B	265		153	261	11
C	502	98		128	8
D	619	252	201		2
E	18	9	12	2	

NOTE: CROFT ANALYSIS UPDATED BY LCC MAY 2022

Figure 25 - 2035 Base (With Dualling Scheme) PM-Peak Flows (PCUs)



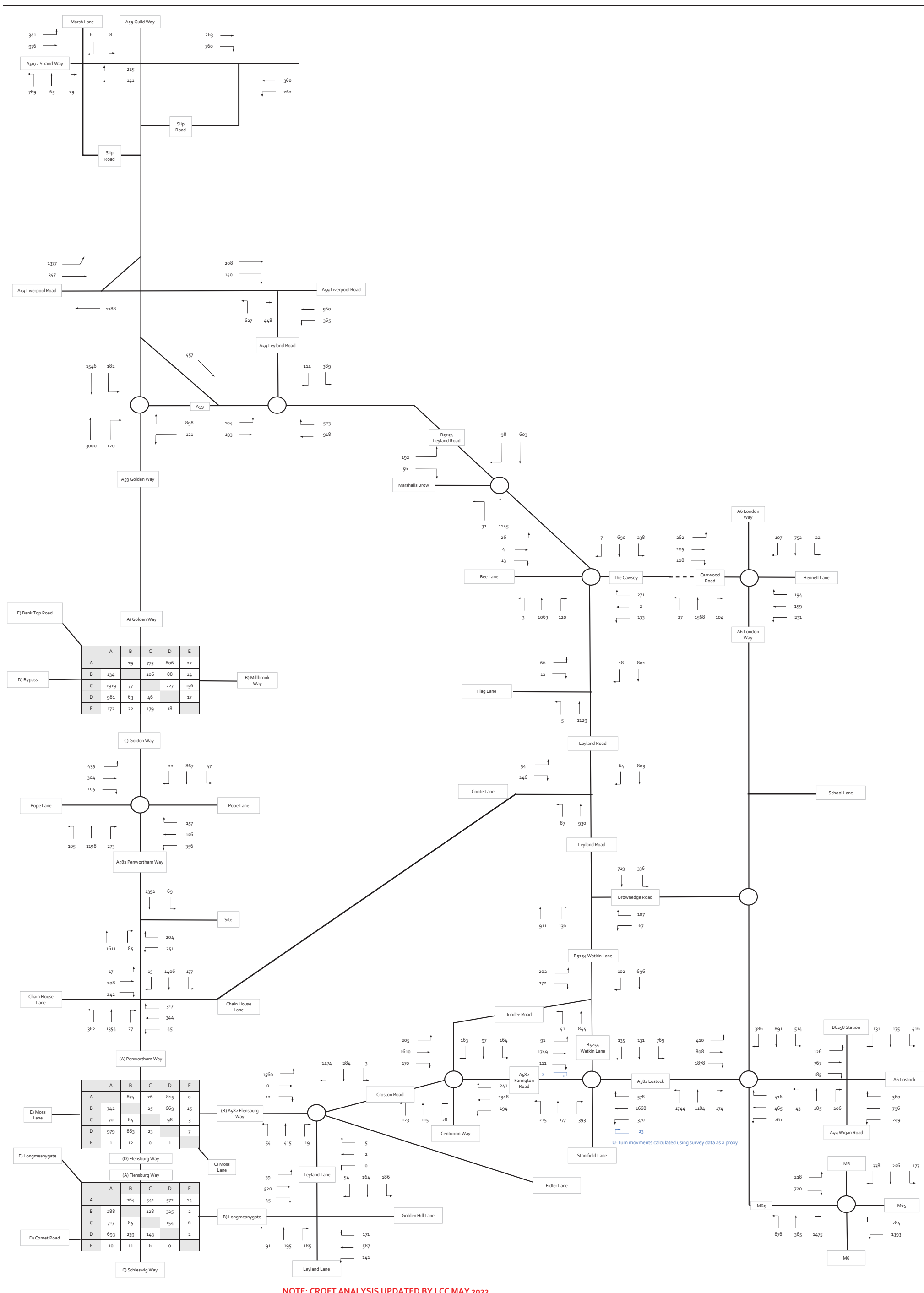


Figure 26 - 2035 Base + Development (With Dualling Scheme) AM-Peak Flows (PCUs)



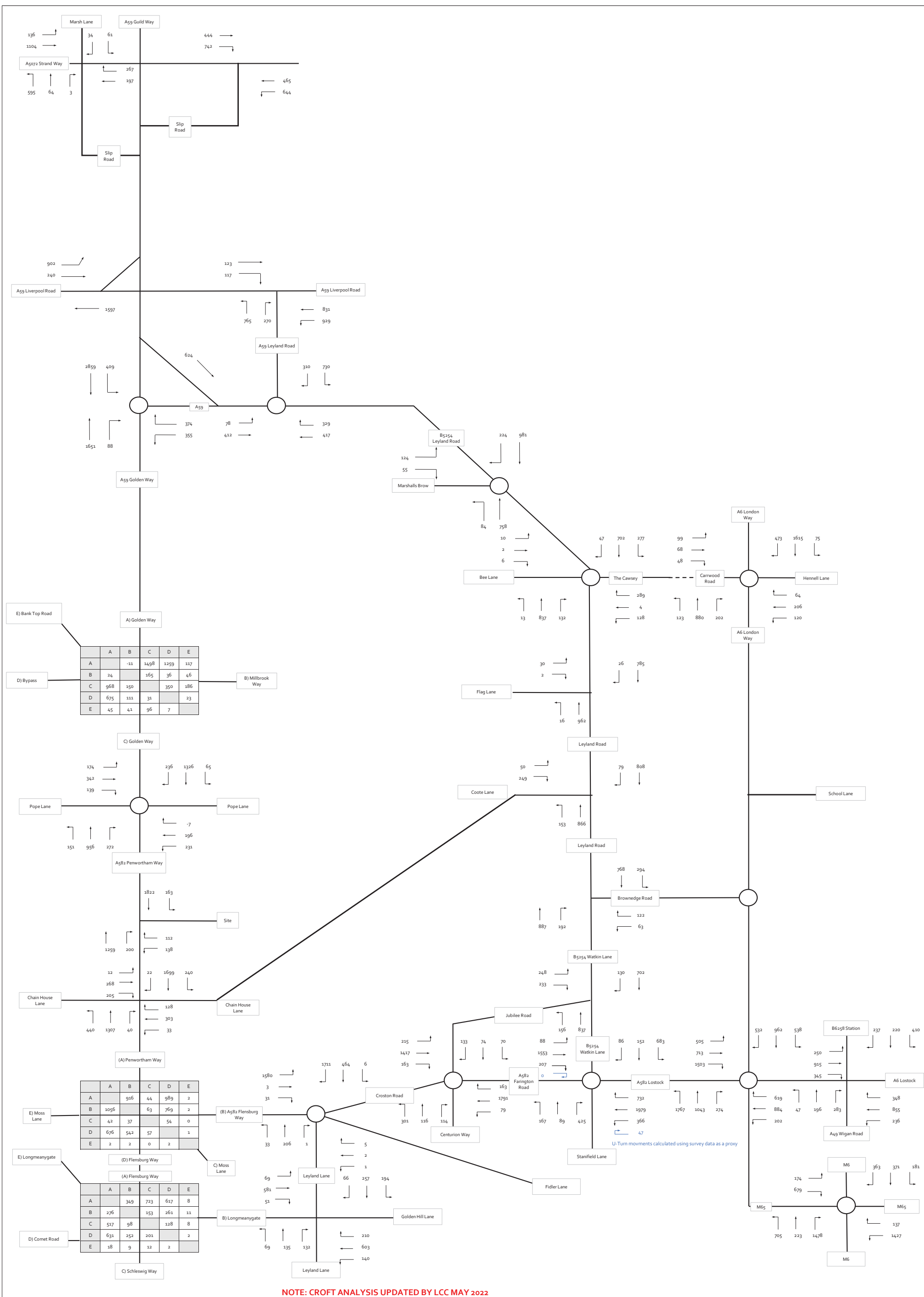
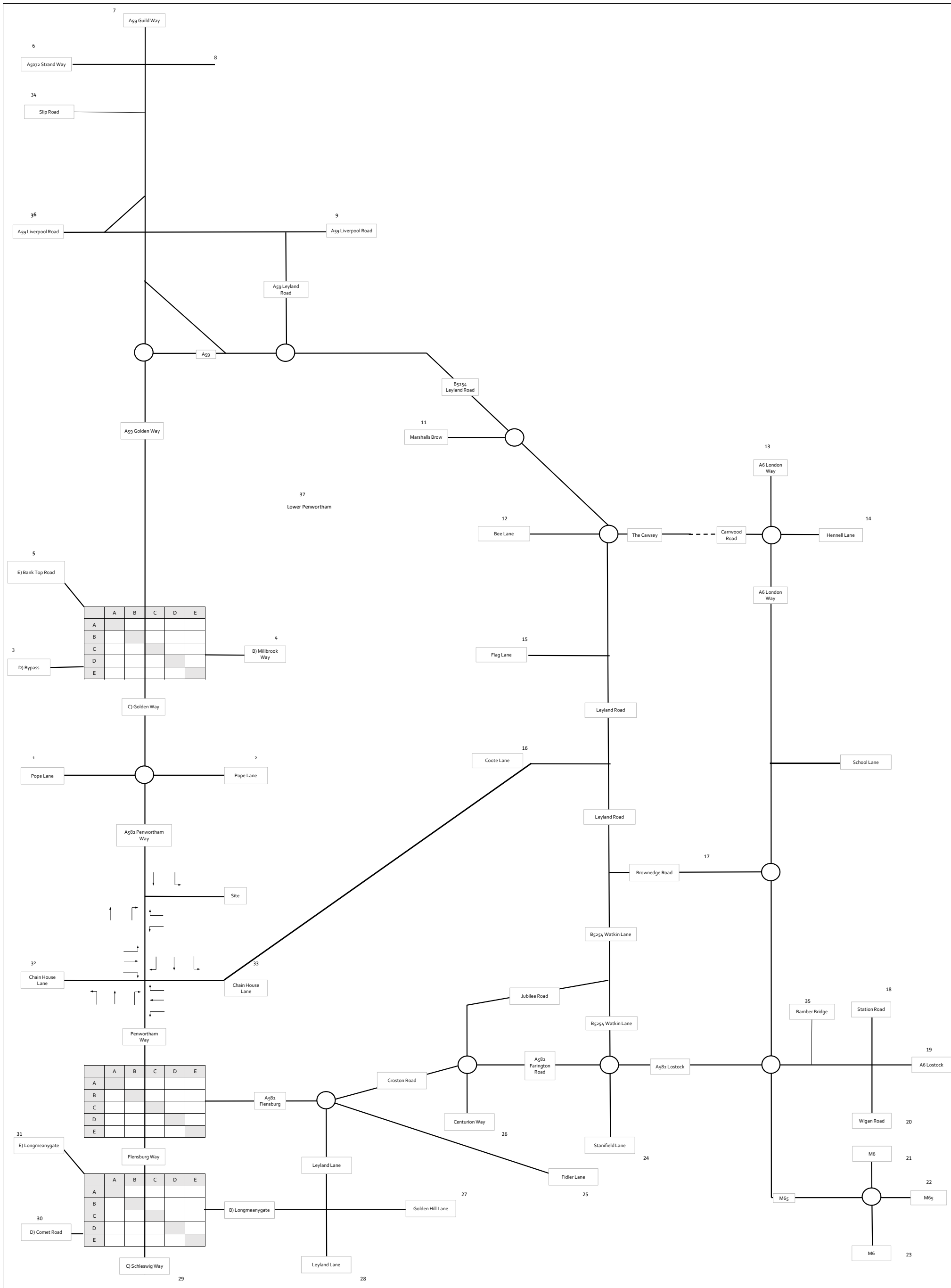


Figure 27 - 2035 Base + Development (With Dualling Scheme) PM-Peak Flows (PCUs)





16E Gravity Model Zones  
Gravity Model







## 16F Trip Rates

**Trip Generation - Proposed Use**

Scenario 1 - 1,350 Units (60/40 distribution)

Land Use:	Houses	AM Peak 0800 to 0900		PM Peak 1700 to 1800	
No. of Units	1,350	Arrivals	Departures	Arrivals	Departures
Trip rate per unit		0.15	0.43	0.34	0.24
Development Trips		<b>196</b>	<b>579</b>	<b>463</b>	<b>319</b>
<b>Two Way</b>		775		782	
		100		100	

#REF!

60%	117	347	278	191
40%	78	232	185	127
	196	579	463	319

Scenario 2 - 1,100 Units (Split site by dwellings)

Land Use:	Houses	AM Peak 0800 to 0900		PM Peak 1700 to 1800	
No. of Units	1,100	Arrivals	Departures	Arrivals	Departures
Trip rate per unit		0.15	0.43	0.34	0.24
Development Trips		<b>160</b>	<b>472</b>	<b>377</b>	<b>260</b>
<b>Two Way</b>		631		637	

#REF!

SPLIT

1060	0.15	0.43	0.34	0.24
	<b>154</b>	<b>455</b>	<b>364</b>	<b>250</b>
40	0.15	0.43	0.34	0.24
	<b>6</b>	<b>17</b>	<b>14</b>	<b>9</b>
0	0.15	0.43	0.34	0.24
	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1100	160	472	377	260