

Regulating Vehicle Access for improved Livability

City of London zero emission zone

Samantha Tharme – October 2020









of on-street journeys that start or finish in the City are entirely or partially walked, including walking to and from public transport





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ReVeAL presentation

Road transport is responsible for 26% of NOx emissions and 60% of PM2.5 emissions in the Square Mile. Monitoring for NO2 on our busiest streets has found concentrations are often twice the safe limit

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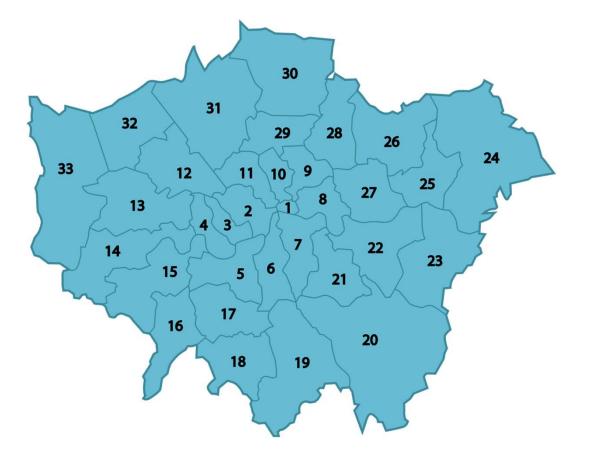
- Zero emission waste collection fleet City vehicles ٠
- Electric Vehicle car clubs residents/small business ٠
- Electric cargo bikes ٠
- EV charging infrastructure ٠



London context – ulez cycle lanes etc;...see maps City cluster context – constraints there London bridges – strategic crossing & link in to strategic road network. Consultation context...quick overview.

Figs on GDP contribution of city of London ...City is the UK's single most significant sector providing almost 10% of all UK GDP Our problem – how to manage on-street dynamic booking system







Current area of London covered by Ultra Low Emission Zone

April 2019 ULEZ launch –light vehicles £12.50 charge - £100 charge for heavier vehicles,

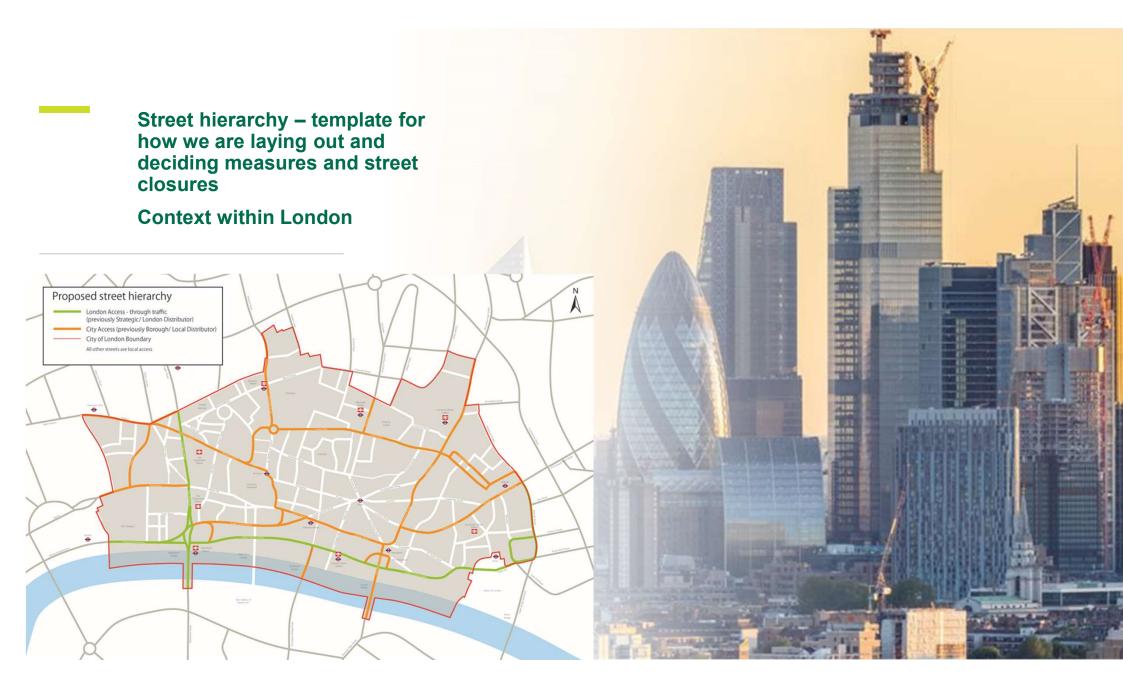
- April 2019 ULEZ launch –light vehicles £12.50 charge £100 charge for heavier vehicles,
 LEZ standards for heavy vehicles, due for Oct 2020 delayed to 1 March 2021 due to the pandemic
- September introduction of a heavy vehicle scrappage extension to the van scrappage scheme, so you may want to include that

10/15/2020



15/10/2020







ReVeal Programme and COVID-19 impact temporary measures ST MARY AXE, LEADENHALL,

BISHOPSGATE

June 2020 – 7am-7pm restriction access only St Mary Axe; No through traffic Leadenhall Street 24hr.

Jan 2021 – peak period closures of St Mary Axe – all motor vehicles

Autumn 2022 – ZEZ 12hr restrictions for whole area







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St Mary Axe – experimental scheme







Actions

Restrict motor vehicle access

Zero-emission

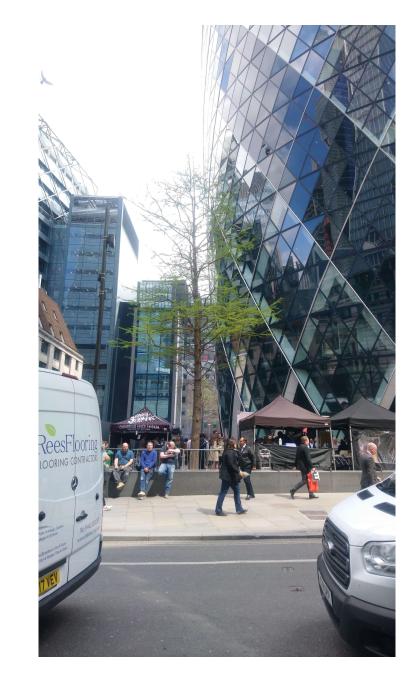
zones

Supporting measures



Scheme objectives

- More space and ease of movement for people walking
- Fewer vehicles.
- Better air quality
- Maintaining essential access to buildings





We have a high density of floorspace 53 goods vehicles per hour entering the street morning peak 194 all vehicles

Aim to introduce limited period closures in first instance:

closure of St Mary Axe to motor vehicles during the morning (08:00 – 09:30) and evening (16:30 – 18:30) peak periods on weekdays.

These times have been chosen as they are the times when pedestrian numbers are at their highest, and to minimise disruption to businesses who require vehicle access from St Mary Axe.



How and what data collected

- Pedestrians
- Traffic flows
- Loading activity

Bigger picture – kerbside action plan







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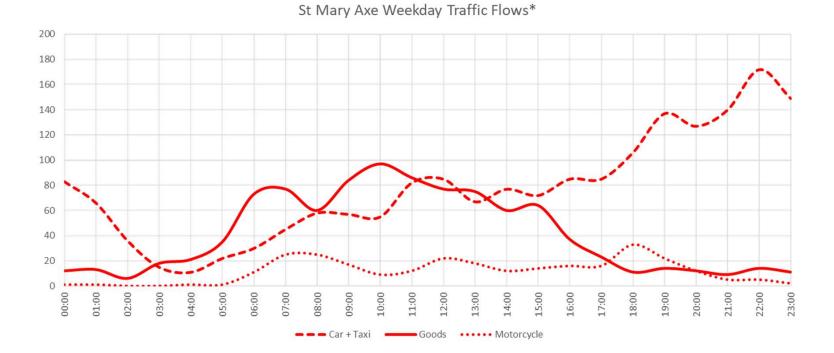
Traffic Flows

St Mary Axe



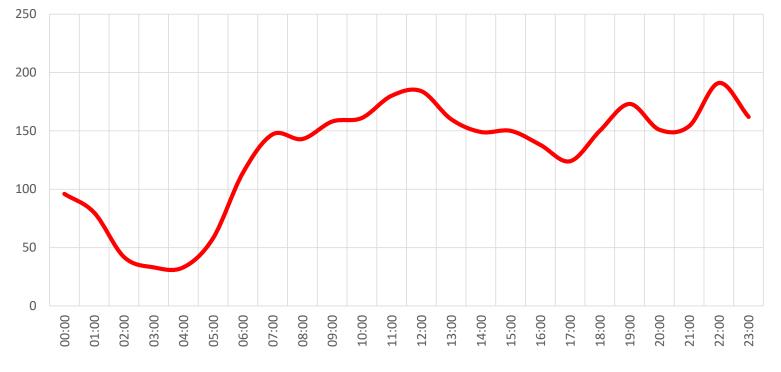












* Maximum flows



Average of three day traffic data – vehicle traffic on to St Mary Axe

	Total Vehicle Traffic (Motor traffic + cycle)	Motor Traffic Levels	Car	Taxi	Goods	Motorcycle	Total Cycle	Pedal Cycle (S - N)	Pedal Cycle (Contraflow N- S)
24 hours	3,436	2886	1053	610	932	291	549	331	219
08:00 – 09:30	292	182	41	58	80	36	110	104	6
16:30 – 18:30	387	272	117	66	46	43	115	34	81



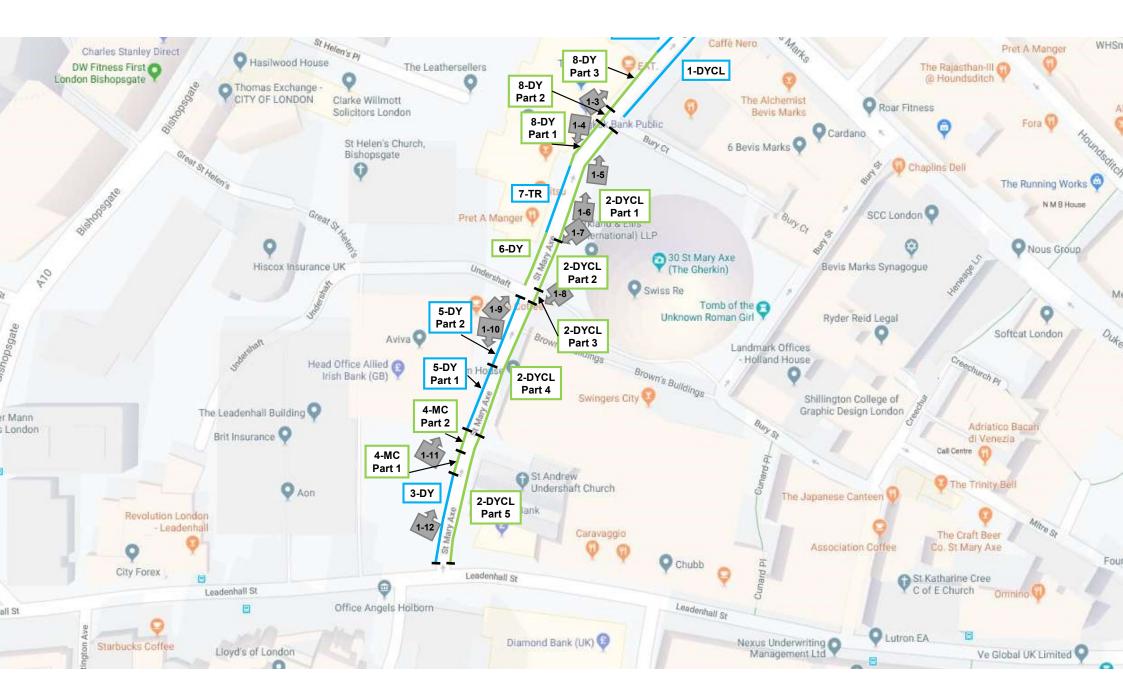
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On-street Vehicle Activity

St Mary Axe

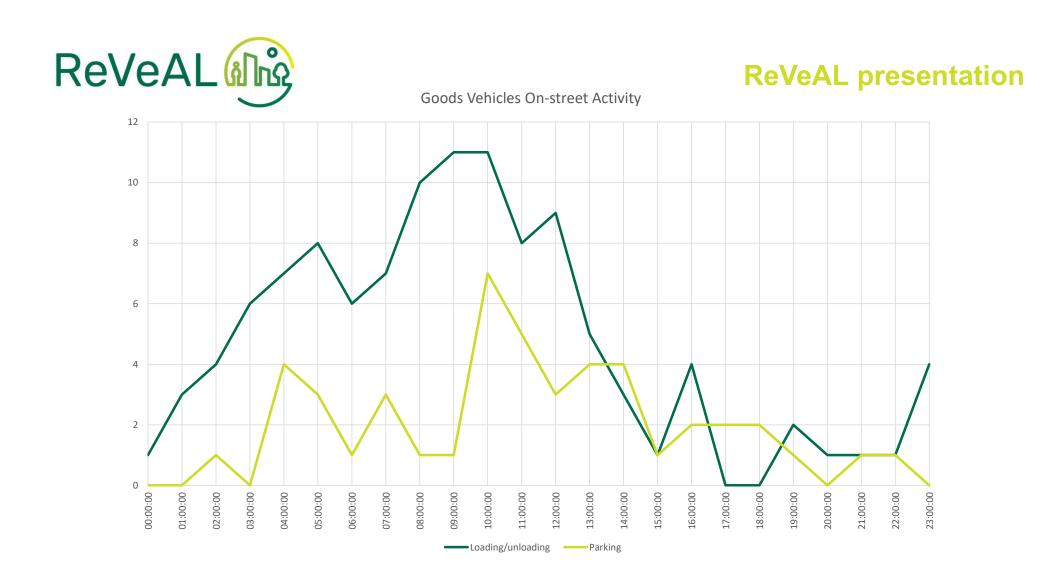




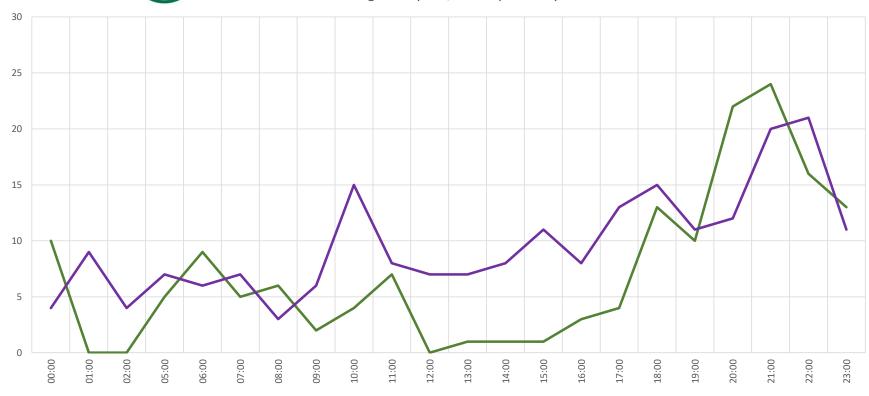




Hour Starting	Loading/unloading	Maintenance	No activity	Parcel pick up/drop off	Parking	Passenger pick up/drop off	Waiting	Waste Collection	Grand Total
00:00:00	-	1	12	1	4	14	2	-	34
01:00:00	1	-	5	5	3	9	2	-	25
02:00:00	4	-	2	-	4	4	2	2	18
03:00:00	4	-	3	3	-	-	1	1	12
04:00:00	3	-		5	6	1	-	-	15
05:00:00	9	-	4	5	7	12	1	-	38
06:00:00	4	1	4	3	14	15	4	2	47
07:00:00	6	-	6	1	23	12	-	2	50
08:00:00	6	-	9	6	8	9	1	-	39
09:00:00	8	-	11	5	6	8	6	-	44
10:00:00	12	1	14	5	16	19	3	-	70
11:00:00	7	1	8	3	10	15	2	-	46
12:00:00	4	-	6	9	10	7	2	-	38
13:00:00	3	-	11	2	6	9	6	-	37
14:00:00	1	-	7	3	13	10	2	-	36
15:00:00	1	-	5	1	6	12	2	-	27
16:00:00	2	-	15	3	7	11	1	-	39
17:00:00	-	-	19	7	6	18	1	2	53
18:00:00	1	-	11	26	9	28	-	-	75
19:00:00	1	-	7	18	4	21	2	-	53
20:00:00	-	-	14	3	7	34	3	-	61
21:00:00	1	-	22	4	1	45	-	-	73
22:00:00	1	-	20	1	5	37	1	1	66
23:00:00	5	-	14		7	24	1	-	51
Grand Total	84	4	229	119	190	375	45	10	1056
% OF TOTAL									
24HR	8%	0%	22%	11%	18%	36%	4%	1%	

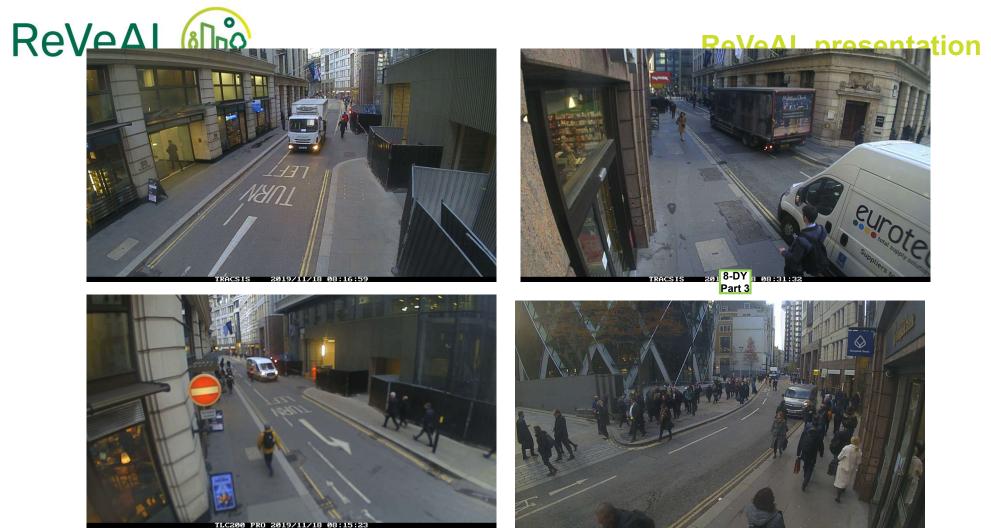






Passenger Drop off/ Pick Up Activity

-Car -----London taxi



.C200 PRO 2019/11/18 08:54:12























Thank you for your attention

Samantha Tharme – City of London

