

L B of Ealing Road Closure Scheme: Midhurst and Leighton Neighbourhoods.

Note on Car & Van Accessibility Changes.

This note presents an analysis of car and van accessibility changes due to intended road closures in the Midhurst and Leighton Neighbourhoods.

The main interest is the change of vehicle mileage between local internal and the outer boundary roads of Boston, Broadway-Uxbridge, Northfields and Swyncombe and Windmill roads. The first maps is the neighbourhood area with six zones labelled from 'U' to 'Z' surrounded by nine external destination zones labelled from 'U' to 'Z' surrounded by nine external destination zones labelled from 'A' to 'H'. The outer main roads forming the boundary are coloured brown.

The second map shows the method of analysis, which allows before and after travel distances between zone 'V' and the nine external zones to be measured; the green routes are the 'before' routes and the 'red', the after-closure distances. The 'green' routes crisscross the internal area to external zones whereas 'red' routes are mainly boundary main roads. The table lists before and after results for each external zone with zone 'V' before mileages highlighted in 'green' and after mileages in 'red'. Extracted below from the table is the zone 'V' before and after local and boundary travel distances and also, the six zone totals.

Extract from table:

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Local internal distances			Boundary road Distances			Local Inter + Boundary Distances		
	Before (Miles)	After (Miles)	After/Before (%)	Before (Miles)	After (Miles)	After/Before	Before	After	After/Before
Zone 'V'	2.92	1.05	36	2.03	7.79	384	4.95	8.84	179
Six Zones	17.82	7.32	41	14.54	41.76	287	32.36	49.08	152

Columns (1) to (3) has zone 'V' local internal distances falling from 2.92 miles before to 1.05 miles after, a drop of 64% to 36% at column (3) and six zone drop is 59% to 41% at column (3). However boundary road distances increase close to three-fold at columns (4) to (6); zone 'V' from 2.03 miles before to 7.79 miles after and six zones 14.54 miles before to 41.76 after with respective column (6) after / before percentages of 384% and the 287%. Combined distances at columns (7) to (9) has zone 'V' increasing from 4.95 miles before to 8.84 miles after and six zone change from 32.36 miles before to 49.08 after giving a column (9) percentage of 152% would be a vehicle mileage increase of 52% in the neighbourhood being generated wholly by the road closures.







The planned road closures will decrease the traffic mileage on internal roads by 59% but increase traffic mileage on main boundary roads by 187% and overall increase vehicle mileage for the neighbourhoods by 52%.

R. Witt MICE (27 July 2020)



1 Mile








Legend.

-  Internal (Traffic Zone Boundary)
-  Main Rd. (Bus Routes)
-  Internal local roads
-  Proposed road barriers
-  Internal Zone
-  External zone directions



1 Mile

Legend.

-  Internal Traffic Zone Boundary
-  Main Road Boundary (Bus Routes)
-  Internal Local Roads
-  Internal Zone
-  External Zone
-  Green Before Route
-  Red After Route

