

Provisional Local Traffic Information

The following changes to local traffic flows occur due to the introduction of the proposed Scheme (also called Do-Something herein) compared with the situation without the scheme (called Do-Minimum). These are shown for the two forecast years 2022 (anticipated post construction year) and 2037 (15 years after construction) with the base year traffic (2015) for comparison.

Due to the implementation of the scheme the A47 becomes a more attractive route for road users and therefore there is an increase in traffic on the A47 mainline. There is also an increase in traffic on the A1 approaching the A1 / A47 roundabout due to the improved conditions of the interchange and the mainline.

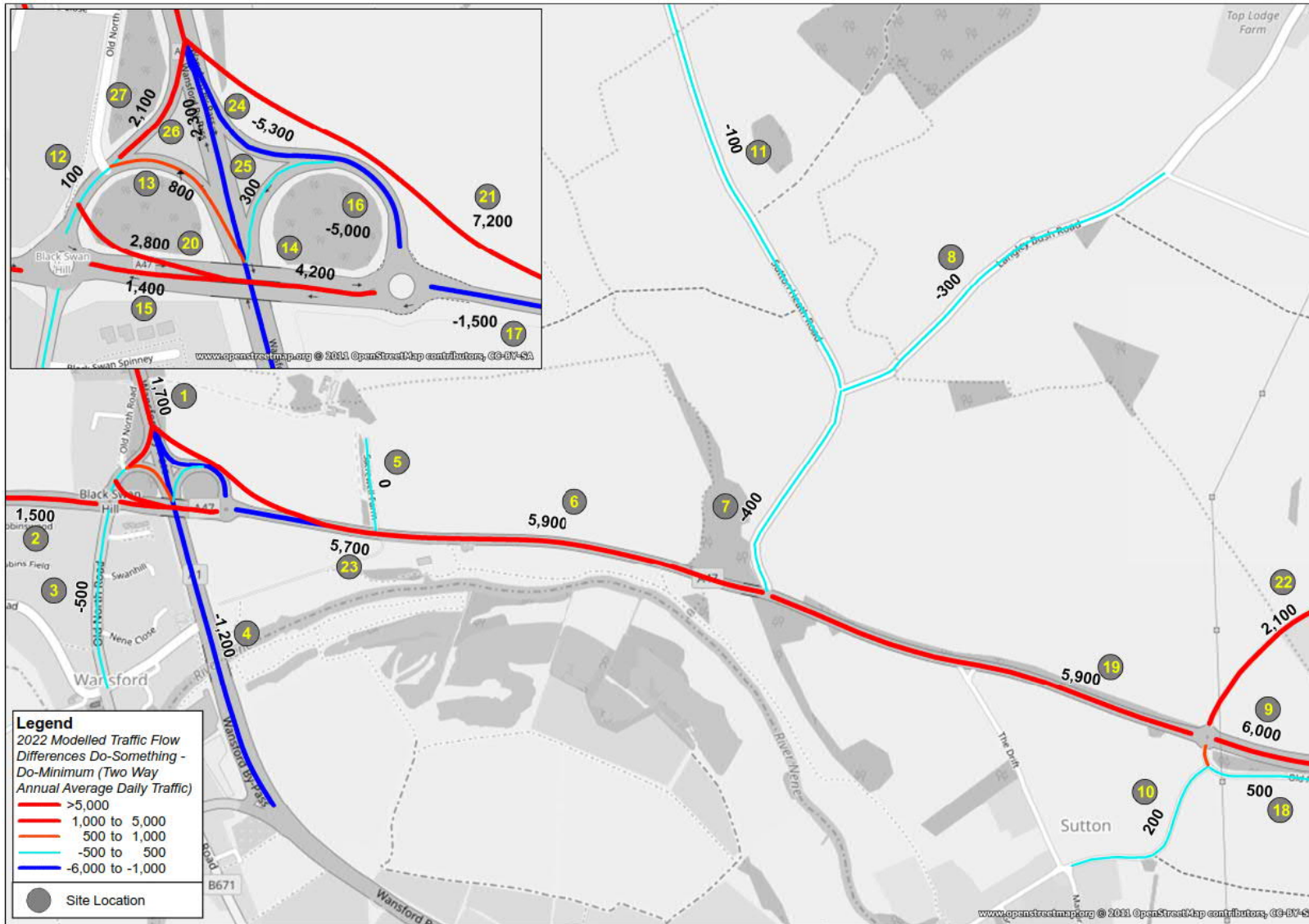
The scheme creates a reduction of traffic on the A1 south of the A1 / A47 interchange due to rerouting. There is also a reduction of traffic on Old North Road (A6118) in Wansford, which is due to the traffic calming measures implemented on this road as well as the Proposed Scheme. The Proposed Scheme also creates a reduction in traffic on Sutton Heath Road and Langley Bush Road north of the A47.

Appendix A shows the change in traffic flow with The Proposed Scheme in place, compared to no scheme for the year 2022. A decrease in flows are shown in blue and increases are shown in red. The values are Annual Average Daily Traffic (AADT).

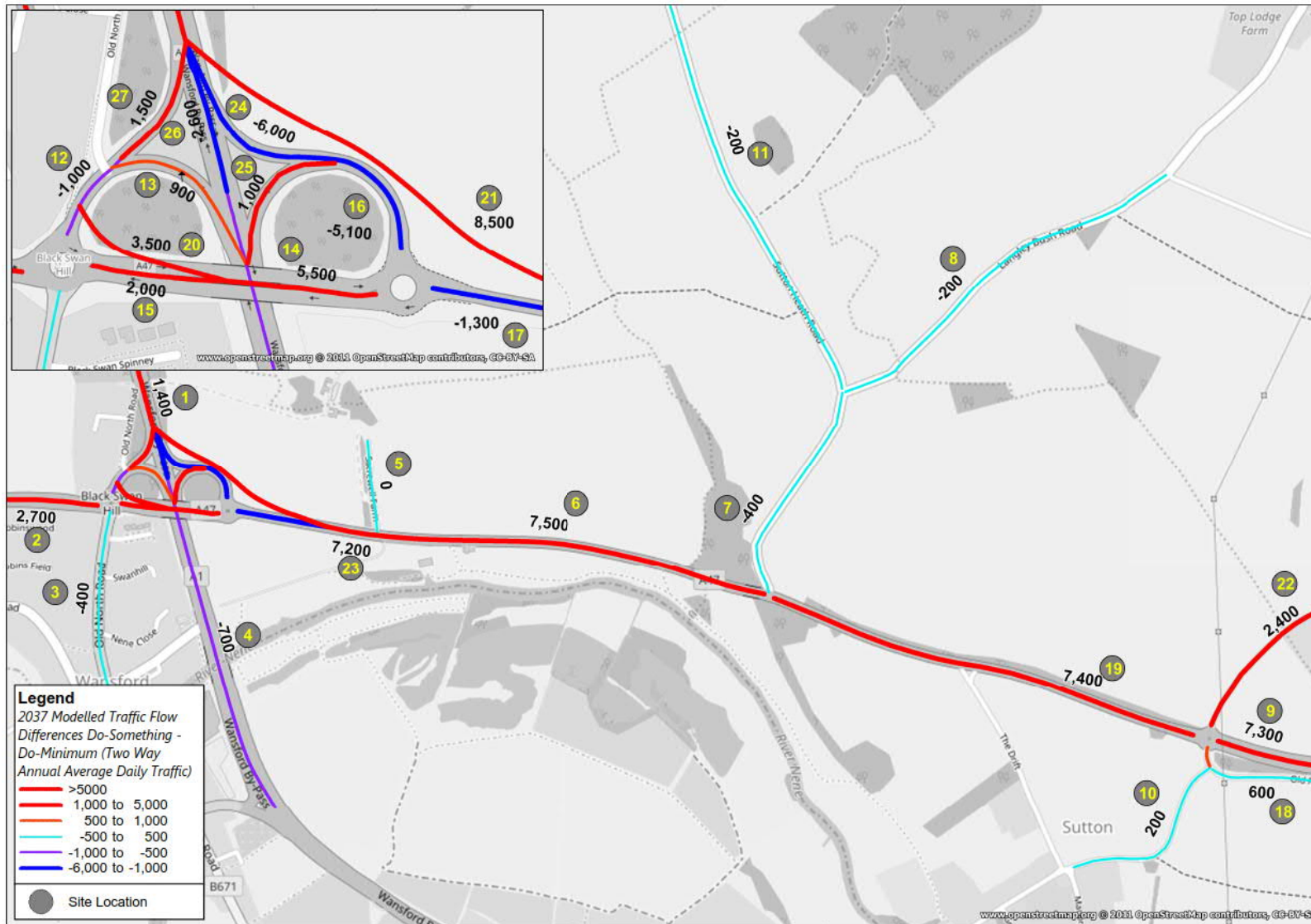
Appendix B shows the change in traffic flow with The Proposed Scheme in place, compared to no scheme for the year 2037.

Appendix C shows the predicted traffic flows at key locations for all scenarios modelled. The locations are shown on Appendix A and Appendix B.

Appendix A – 2022 Modelled Traffic Flow Differences



Appendix B – 2037 Modelled Traffic Flow Differences



Appendix C – Traffic Data

Site Number	Site Name	2 WAY AADT BASE (vehs)	2 WAY AADT 2022 DM (vehs)	2 WAY AADT 2022 DS (vehs)	2 WAY AADT 2022 DIFF (vehs)	2 WAY AADT 2037 DM (vehs)	2 WAY AADT 2037 DS (vehs)	2 WAY AADT 2037 DIFF (vehs)
1	A1 North	51400	59400	61100	1700	70800	72200	1400
2	A47 main line west of Wansford	11500	15000	16500	1500	17700	20400	2700
3	A6118 (Old North Road)	4400	2400	1900	-500	3100	2700	-400
4	A1 South	44000	54700	53500	-1200	66600	65900	-700
5	Sacrewell	400	500	500	0	500	500	0
6	A47 main line east of Sacrewell and west of Sutton Heath	23300	25600	31500	5900	30000	37500	7500
7	Sutton Heath Road, South	2200	2500	2100	-400	2800	2400	-400
8	Langley Bush	800	900	600	-300	900	700	-200
9	A47 main line east of Sutton	22600	24900	30900	6000	29200	36500	7300
10	Nene Way	500	500	700	200	600	800	200
11	Sutton Heath Road, North	1400	1600	1500	-100	2000	1800	-200
12	A47/A1 western interchange northern arm	8500	10100	10200	100	11400	10400	-1000
13	A1 NB Off Slip	2400	3900	4700	800	4900	5800	900
14	A47/A1 interchange intra-junction	20400	22900	27100	4200	26500	32000	5500
15	A47/A1 interchange intra-junction	20400	22900	24300	1400	26500	28500	2000
16	A47/A1 eastern interchange northern arm	9400	9800	4800	-5000	11000	5900	-5100
17	A47/A1 eastern interchange eastern arm	23500	25600	24100	-1500	30000	28700	-1300
18	Peterborough Road, Peterborough	1300	1400	1900	500	1700	2300	600
19	A47 main line west of Sutton	23100	25600	31500	5900	30100	37500	7400
20	A47/A1 western interchange segregated left turn	0	0	2800	2800	0	3500	3500
21	A47/A1 eastern interchange segregated left turn	0	0	7200	7200	0	8500	8500
22	Upton, Sutton roundabout northern arm	400	500	2600	2100	500	2900	2400
23	A47 main line west of Sacrewell	23500	25600	31300	5700	30000	37200	7200
24	A1 southbound off slip	6500	6100	800	-5300	6700	700	-6000
25	A1 southbound on slip	2800	3700	4000	300	4200	5200	1000
26	A1 main line intra-junction	38800	47100	44800	-2300	57500	54900	-2600
27	A1 northbound on slip	6100	6200	8300	2100	6600	8100	1500