

Weston Longville Traffic Mitigation Option Assessment

25 October 2023

Introduction

Reason for Mitigation

- To mitigate impacts of A47 Easton to North Tuddenham in the absence of the NWL.
- A47 Easton to North Tuddenham DCO Statement of Common Ground stated:

“The Applicant will continue to support and work collaboratively with NCC and Weston Longville Parish Council on the development of a proportionate scheme of mitigation works for the scenario whereby the A47 improvements are completed and the NWL is delayed. The trigger point for the approval of such a scheme would be 9 months prior to the removal of the existing Easton roundabout and associated closure of Church Lane to through traffic. “

Project Updates

A47 Easton to North Tuddenham Improvements

- The Secretary of State (SoS) granted development consent on 12 August 2023.
- A legal challenge was made but following the subsequent High Court hearing on 10/11 May 2023 the Hon. Mrs Justice Thornton DBE dismissed this challenge.
- The claimant making this challenge has appealed against the judgement, and Lord Justice Coulson has recently given permission for the Court of Appeal to hear this issue.

Norwich Western Link

- Outline Business Case was confirmed on 13 October 2023.
- Report to Cabinet on 4 December will provide an update and seek permission to move forward and submit a planning application.

Traffic Figures

Calculating the model forecast for 2026 in a 'without A47 improvements and without NWL' scenario

- The modelled forecast for 2019 in a '**without A47 improvements and without NWL**' scenario is **2,700 Average Annual Daily Traffic (AADT)**.
- The National Trip End Model (NTEM) Version 8 shows growth of traffic in Broadland is predicted to be 6% between 2019 and 2026. .
- Therefore, by applying the 6% increase the modelled forecast for 2026 in a '**without A47 improvements and without NWL**' scenario is approximately **2850 AADT**.

Calculating the observed forecast for 2026 in a 'without A47 improvements and without NWL' scenario

- The October 2019 survey at Honingham Road measured approximately 3,100 AADT.
- The October 2022 survey at Honingham Road measured approximately 3,200 AADT.
- Observed growth = $3200/3100 = 3\%$ (or 1% per year).
- Therefore, by applying the 1% increase per year the estimated forecast for 2026 is 3,350 AADT.

Traffic Figures

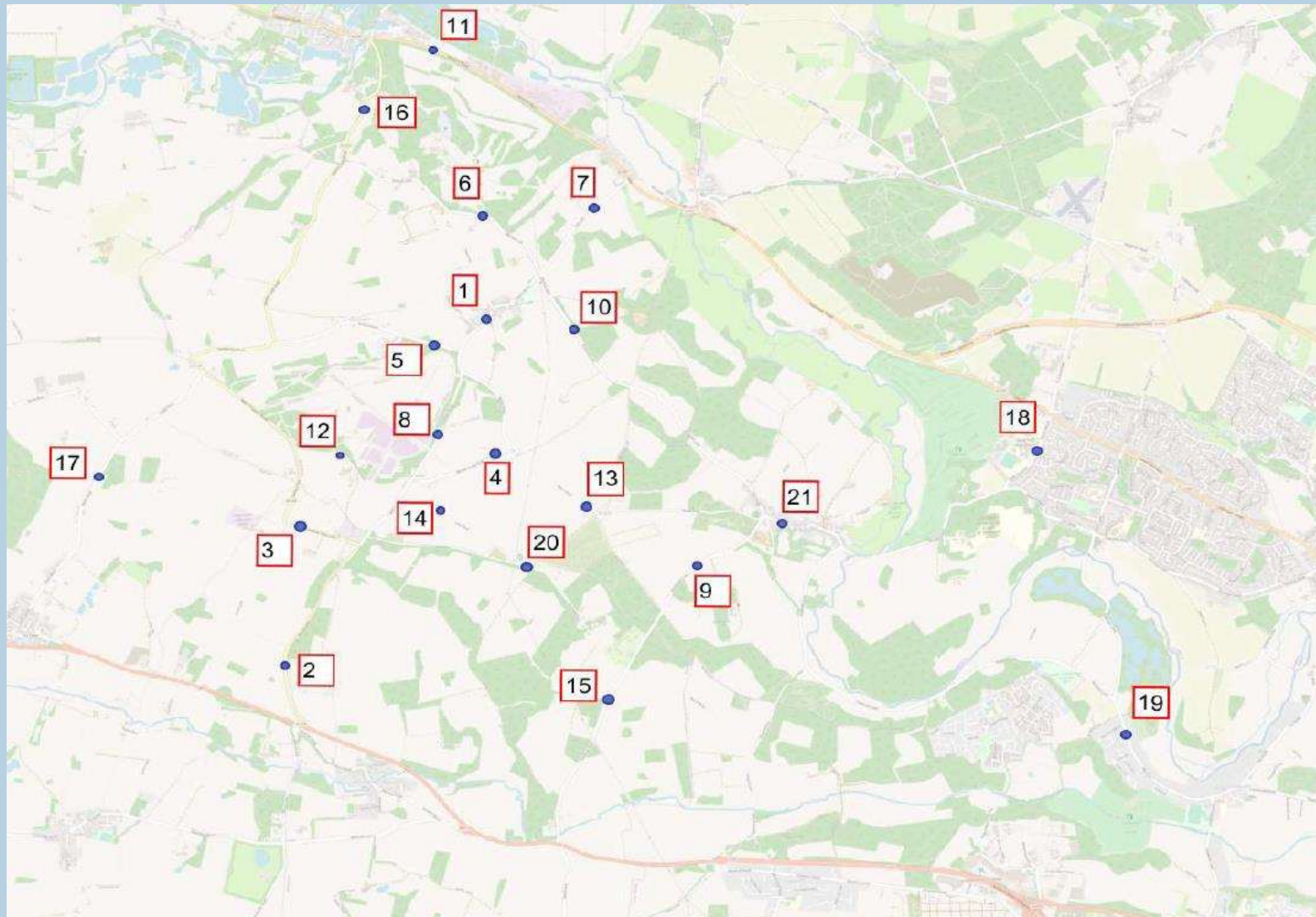
Comparing the 2026 modelled forecast and the 2026 forecast using observed flows

- The modelled forecast for 2026 in a ‘**without A47 improvements and without NWL**’ scenario is approximately **2,850 AADT**.
- Using observed flows the forecast for 2026 in a ‘**without A47 improvements and without NWL**’ scenario is estimated to be **3,350 AADT**.

The 'with A47 and without NWL' Scenario

- The modelled forecast for 2026 in a ‘**with A47 improvements and without NWL**’ scenario is **4,400 AADT**.

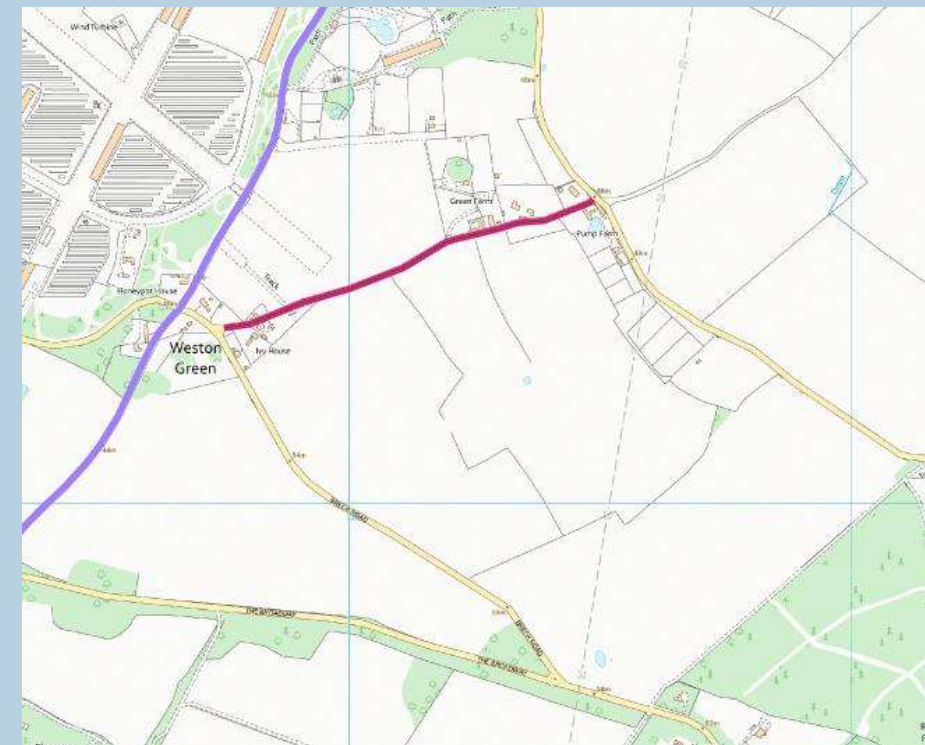
Traffic Assessment Locations



Assessment 1

Proposal

- Previous traffic calming scheme that was developed last year.
- Plus, additional 40mph speed limits between B1535 and A1067 that are not currently restricted.
- Plus, closure of Weston Green Road.



Assessment 1

Modelling Forecasts

- 580 reduction in vehicles (13%) through Weston Longville.
- Limited impacts on other roads.

		2026	2026		
		Do Minimum	Assessment 1		
No	Road Name	Flow	Flow	Change	%age
1	Honingham Road (Weston Longville)	4,410	3,830	-580	-13%
2	B1535 Wood Lane	7,300	6,630	-670	-9%
3	B1535 Walnut Tree Lane	2,930	3,000	70	2%
4	Weston Green Road	370	0	-370	-100%
5	Rectory Road	60	60	0	0%
6	Morton Lane	0	0	0	-
7	Marl Hill	4,580	4,020	-560	-12%
8	Honingham Road, Weston Green	4,100	3,640	-460	-11%
9	Honingham Lane	0	0	0	-
10	Ringland Lane	200	190	-10	-5%
11	A1067 Lenwade	12,900	13,150	250	2%
12	Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane)	100	40	-60	-60%
13	Weston Road (between Weston Green Road and The Street, Ringland)	370	120	-250	-68%
14	Breck Road	30	30	0	0%
15	Taverham Road (south of Honingham Lane)	810	1,110	300	37%
16	B1535 Weston Hall Road	4,400	4,540	140	3%
17	Heath Road, Hockering	1,590	1,600	10	1%
18	Beech Avenue, Taverham	2,030	2,160	130	6%
19	West End, Costessey	8,940	8,930	-10	0%
20	The Broadway (east of Breck Road)	30	30	0	0%
21	The Sreet, Ringland	570	310	-260	-46%

Assessment 2

Proposal

- Previous traffic calming scheme that was developed last year.
- Plus, additional 40mph speed limits between B1535 and A1067 that are not currently restricted.
- Plus, 30mph speed limit through Weston Green.
- Plus, closure of Weston Green Road.



Assessment 2

Modelling Forecasts

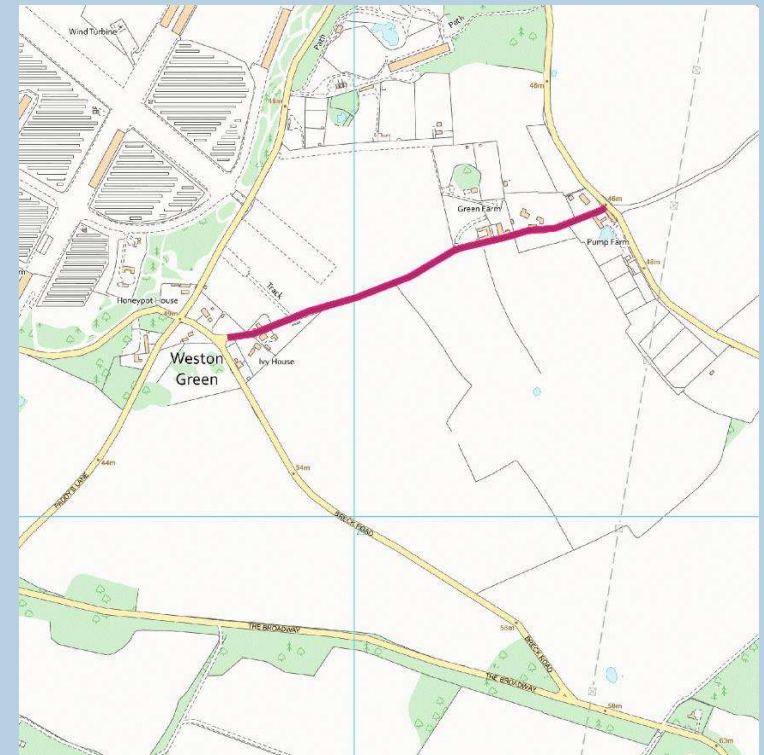
- 620 reduction in vehicles (14%) through Weston Longville.
- Limited impacts on other roads.

		2026	2026		
		Do Minimum	Assessment 2		
No	Road Name	Flow	Flow	Change	%age
1	Honingham Road (Weston Longville)	4,410	3,790	-620	-14%
2	B1535 Wood Lane	7,300	6,410	-890	-12%
3	B1535 Walnut Tree Lane	2,930	2,990	60	2%
4	Weston Green Road	370	0	-370	-100%
5	Rectory Road	60	60	0	0%
6	Morton Lane	0	0	0	-
7	Marl Hill	4,580	3,970	-610	-13%
8	Honingham Road, Weston Green	4,100	3,440	-660	-16%
9	Honingham Lane	0	0	0	-
10	Ringland Lane	200	190	-10	-5%
11	A1067 Lenwade	12,900	13,150	250	2%
12	Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane)	100	20	-80	-80%
13	Weston Road (between Weston Green Road and The Street, Ringland)	370	0	-370	-100%
14	Breck Road	30	30	0	0%
15	Taverham Road (south of Honingham Lane)	810	1,200	390	48%
16	B1535 Weston Hall Road	4,400	4,530	130	3%
17	Heath Road, Hockering	1,590	1,610	20	1%
18	Beech Avenue, Taverham	2,030	2,160	130	6%
19	West End, Costessey	8,940	8,950	10	0%
20	The Broadway (east of Breck Road)	30	30	0	0%
21	The Sreet, Ringland	570	190	-380	-67%

Assessment 3

Proposal

- Closure of Paddy's Lane to north of B1535.
- Plus, closure of Weston Green Road.



Assessment 3

Modelling Forecasts

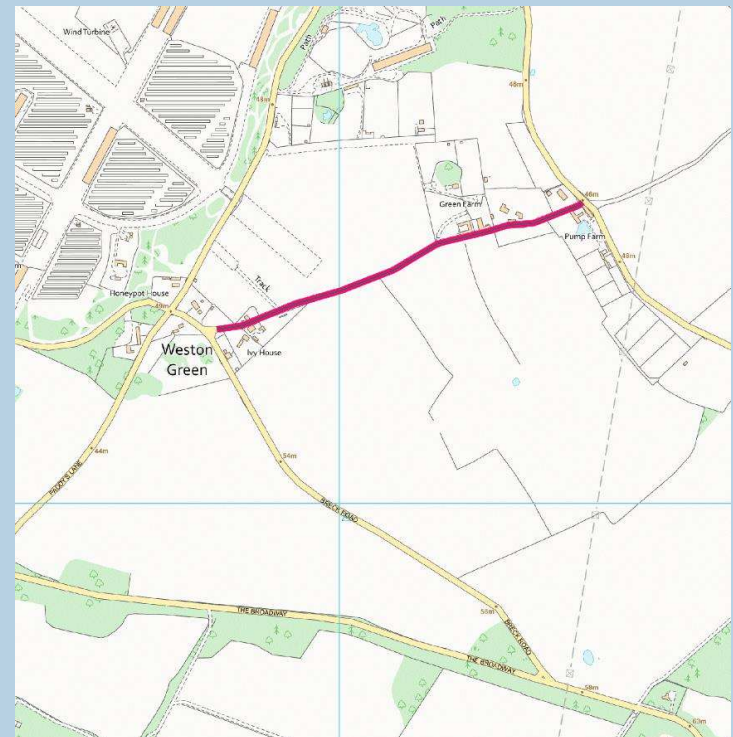
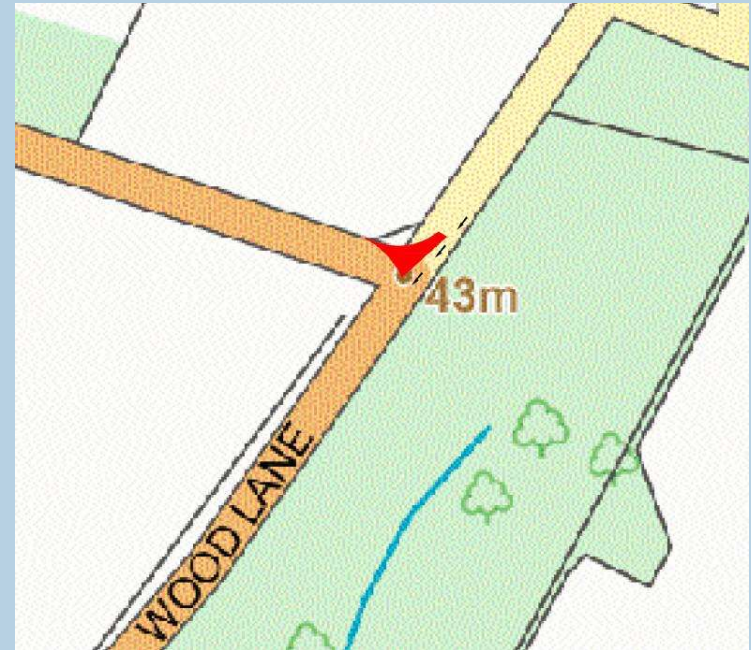
- 2260 reduction in vehicles (51%) through Weston Longville.
- Impacts on:
 - B1535 Walnut Tree Lane – 1,630 increase (56%).
 - A1067 Lenwade – 1,000 increase (9%)
 - Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane) – 1,390 increase (1390%).
 - Taverham Road (south of Honingham Lane) – 750 increase (93%).
 - B1535 Weston Hall Road – 940 increase (21%).
 - Heath Road, Hockering – 890 increase (56%).

		2026	2026		
		Do Minimum	Assessment 3		
No	Road Name	Flow	Flow	Change	%age
1	Honingham Road (Weston Longville)	4,410	2,150	-2,260	-51%
2	B1535 Wood Lane	7,300	4,560	-2,740	-38%
3	B1535 Walnut Tree Lane	2,930	4,560	1,630	56%
4	Weston Green Road	370	0	-370	-100%
5	Rectory Road	60	290	230	383%
6	Morton Lane	0	0	0	-
7	Marl Hill	4,580	2,330	-2,250	-49%
8	Honingham Road, Weston Green	4,100	1,540	-2,560	-62%
9	Honingham Lane	0	0	0	-
10	Ringland Lane	200	200	0	0%
11	A1067 Lenwade	12,900	14,000	1,100	9%
12	Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane)	100	1,490	1,390	1390%
13	Weston Road (between Weston Green Road and The Street, Ringland)	370	10	-360	-97%
14	Breck Road	30	70	40	133%
15	Taverham Road (south of Honingham Lane)	810	1,560	750	93%
16	B1535 Weston Hall Road	4,400	5,340	940	21%
17	Heath Road, Hockering	1,590	2,480	890	56%
18	Beech Avenue, Taverham	2,030	2,480	450	22%
19	West End, Costessey	8,940	8,950	10	0%
20	The Broadway (east of Breck Road)	30	70	40	133%
21	The Sreet, Ringland	570	210	-360	-63%

Assessment 4

Proposal

- No entry for northbound vehicles from B1535 into Paddy's Lane.
- Plus, closure of Weston Green Road.



Assessment 4

Modelling Forecasts

- 970 reduction in vehicles (22%) through Weston Longville.
- Impacts on:
 - B1535 Walnut Tree Lane – 1,370 increase (47%).
 - Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane) – 1,060 increase (1060%).
 - Taverham Road (south of Honingham Lane) – 480 increase (59%).

		2026	2026		
		Do Minimum	Assessment 4		
No	Road Name	Flow	Flow	Change	%age
1	Honingham Road (Weston Longville)	4,410	3,440	-970	-22%
2	B1535 Wood Lane	7,300	6,160	-1,140	-16%
3	B1535 Walnut Tree Lane	2,930	4,300	1,370	47%
4	Weston Green Road	370	0	-370	-100%
5	Rectory Road	60	130	70	117%
6	Morton Lane	0	0	0	-
7	Marl Hill	4,580	3,620	-960	-21%
8	Honingham Road, Weston Green	4,100	3,080	-1,020	-25%
9	Honingham Lane	0	0	0	-
10	Ringland Lane	200	200	0	0%
11	A1067 Lenwade	12,900	13,290	390	3%
12	Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane)	100	1,160	1,060	1060%
13	Weston Road (between Weston Green Road and The Street, Ringland)	370	70	-300	-81%
14	Breck Road	30	70	40	133%
15	Taverham Road (south of Honingham Lane)	810	1,290	480	59%
16	B1535 Weston Hall Road	4,400	4,640	240	5%
17	Heath Road, Hockering	1,590	1,640	50	3%
18	Beech Avenue, Taverham	2,030	2,280	250	12%
19	West End, Costessey	8,940	8,930	-10	0%
20	The Broadway (east of Breck Road)	30	70	40	133%
21	The Street, Ringland	570	270	-300	-53%

Assessment 5

Proposal

- No right turn into Marl Hill Road for eastbound vehicles on A1067.
- Narrowing of Marl Hill.
- Plus, closure of Weston Green Road.



Assessment 5

Modelling Forecasts

- 900 reduction in vehicles (20%) through Weston Longville.
- Impacts on:
 - B1535 Weston Hall Road – 500 increase (11%).

		2026	2026		
		Do Minimum	Assessment 5		
No	Road Name	Flow	Flow	Change	%age
1	Honingham Road (Weston Longville)	4,410	3,510	-900	-20%
2	B1535 Wood Lane	7,300	6,410	-890	-12%
3	B1535 Walnut Tree Lane	2,930	3,060	130	4%
4	Weston Green Road	370	0	-370	-100%
5	Rectory Road	60	60	0	0%
6	Morton Lane	0	290	290	-
7	Marl Hill	4,580	3,370	-1,210	-26%
8	Honingham Road, Weston Green	4,100	3,360	-740	-18%
9	Honingham Lane	0	0	0	-
10	Ringland Lane	200	210	10	5%
11	A1067 Lenwade	12,900	12,940	40	0%
12	Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane)	100	40	-60	-60%
13	Weston Road (between Weston Green Road and The Street, Ringland)	370	130	-240	-65%
14	Breck Road	30	30	0	0%
15	Taverham Road (south of Honingham Lane)	810	1,150	340	42%
16	B1535 Weston Hall Road	4,400	4,900	500	11%
17	Heath Road, Hockering	1,590	1,600	10	1%
18	Beech Avenue, Taverham	2,030	2,210	180	9%
19	West End, Costessey	8,940	8,940	0	0%
20	The Broadway (east of Breck Road)	30	30	0	0%
21	The Sreet, Ringland	570	340	-230	-40%

Assessment 6

Proposal (1 and 5 Combined)

- Previous traffic calming scheme that was developed last year.
- Plus, additional 40mph speed limits between B1535 and A1067 that are not currently restricted.
- Plus, No right turn into Marl Hill Road for eastbound vehicles on A1067.
- Plus, closure of Weston Green Road.

Modelling Forecasts

- 1,410 reduction in vehicles (32%) through Weston Longville.
- Impacts on:
 - Taverham Road (south of Honingham Lane) – 600 increase (74%).
 - B1535 Weston Hall Road – 630 increase (14%).

		2026	2026		
		Do Minimum	Assessment 6		
No	Road Name	Flow	Flow	Change	%age
1	Honingham Road (Weston Longville)	4,410	3,000	-1,410	-32%
2	B1535 Wood Lane	7,300	5,820	-1,480	-20%
3	B1535 Walnut Tree Lane	2,930	3,110	180	6%
4	Weston Green Road	370	0	-370	-100%
5	Rectory Road	60	60	0	0%
6	Morton Lane	0	290	290	-
7	Marl Hill	4,580	2,880	-1,700	-37%
8	Honingham Road, Weston Green	4,100	2,710	-1,390	-34%
9	Honingham Lane	0	0	0	-
10	Ringland Lane	200	200	0	0%
11	A1067 Lenwade	12,900	13,120	220	2%
12	Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane)	100	30	-70	-70%
13	Weston Road (between Weston Green Road and The Street, Ringland)	370	0	-370	-100%
14	Breck Road	30	30	0	0%
15	Taverham Road (south of Honingham Lane)	810	1,410	600	74%
16	B1535 Weston Hall Road	4,400	5,030	630	14%
17	Heath Road, Hockering	1,590	1,680	90	6%
18	Beech Avenue, Taverham	2,030	2,370	340	17%
19	West End, Costessey	8,940	8,940	0	0%
20	The Broadway (east of Breck Road)	30	30	0	0%
21	The Street, Ringland	570	200	-370	-65%

Assessment 7

Proposal (4 and 5 Combined)

- No entry for northbound vehicles from B1535 into Paddy's Lane.
- Plus, No right turn into Marl Hill Road for eastbound vehicles on A1067.
- Plus, closure of Weston Green Road.

Modelling Forecasts

- 2,070 reduction in vehicles (47%) through Weston Longville.
- Impacts on:
 - B1535 Walnut Tree Lane – 800 increase (27%).
 - Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane) – 500 increase (500%).
 - Taverham Road (south of Honingham Lane) – 760 increase (94%).
 - B1535 Weston Hall Road – 860 increase (20%).
 - Beach Avenue, Taverham – 540 increase (27%)

No	Road Name	2026	2026		
		Do Minimum	Assessment 7		
		Flow	Flow	Change	%age
1	Honingham Road (Weston Longville)	4,410	2,340	-2,070	-47%
2	B1535 Wood Lane	7,300	5,190	-2,110	-29%
3	B1535 Walnut Tree Lane	2,930	3,730	800	27%
4	Weston Green Road	370	0	-370	-100%
5	Rectory Road	60	70	10	17%
6	Morton Lane	0	280	280	-
7	Marl Hill	4,580	2,230	-2,350	-51%
8	Honingham Road, Weston Green	4,100	2,090	-2,010	-49%
9	Honingham Lane	0	0	0	-
10	Ringland Lane	200	200	0	0%
11	A1067 Lenwade	12,900	13,420	520	4%
12	Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane)	100	600	500	500%
13	Weston Road (between Weston Green Road and The Street, Ringland)	370	90	-280	-76%
14	Breck Road	30	70	40	133%
15	Taverham Road (south of Honingham Lane)	810	1,570	760	94%
16	B1535 Weston Hall Road	4,400	5,260	860	20%
17	Heath Road, Hockering	1,590	1,890	300	19%
18	Beech Avenue, Taverham	2,030	2,570	540	27%
19	West End, Costessey	8,940	8,950	10	0%
20	The Broadway (east of Breck Road)	30	70	40	133%
21	The Street, Ringland	570	290	-280	-49%

Conclusion

Next Steps

- Agree option to take forward for further assessment and feasibility work. Recommended option is:
 - Assessment 6.
 - Plus, 30mph speed limit through Weston Green.
 - Plus, trial a shorter length of narrowing through Marl Hill.
- This offers a balance between mitigating the impacts of the A47 improvements whilst not significantly impacting other roads.
- It also provides the opportunity to monitor and scale up the mitigation if considered appropriate, without putting in too many irreversible physical measures upfront.
- Present feasibility work to parish council representatives to agree format of consultation.

Suggested Consultation

- Consultation will show all the options considered and explain why some have not been taken forward.
- Seek views on the recommended option.

Estimated Key Milestones (subject to A47 and NWL timetables)

- Feasibility of recommended option – Late 2023 to Spring 2024.
- Agreed proposals for consultation with parish council – Spring 2024.
- Undertake consultation – Spring/Summer 2024.
- Report results of consultation with parish council and agreed option – Summer 2024.
- Detailed design and contract preparation – Summer 2024/Spring 2025.
- Construction start – Spring/Summer 2025.