

Weston Longville Traffic Mitigation Option Assessment

23 April 2024

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.
- Initial legal challenge dismissed at hearing on 22 April 2024.
- The claimant has made an appeal to the Supreme Court.

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.
- Planning application submitted on 8 April 2024.

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

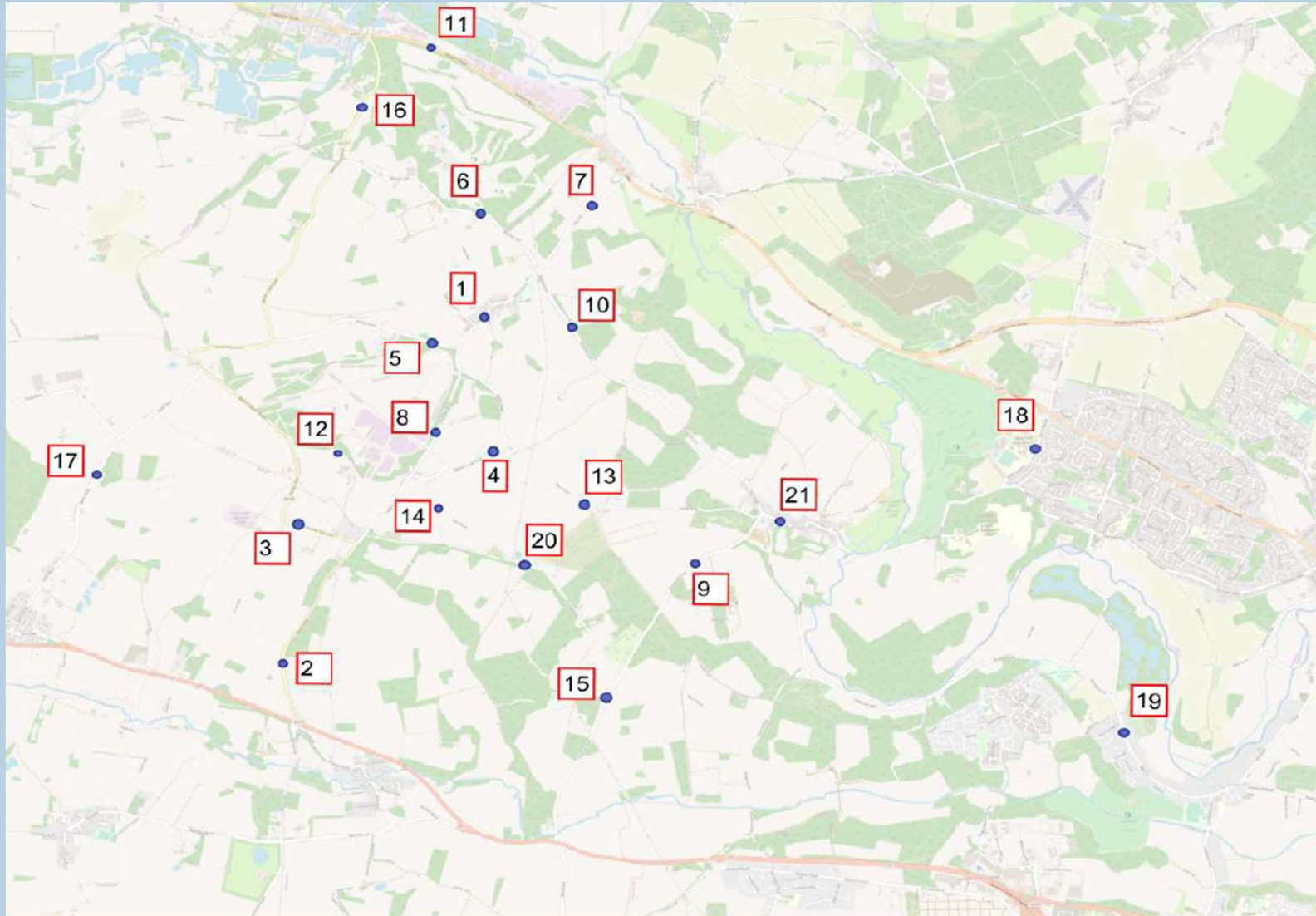
Comparing the 2026 modelled forecast and the 2026 forecast using observed flows

- 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**.

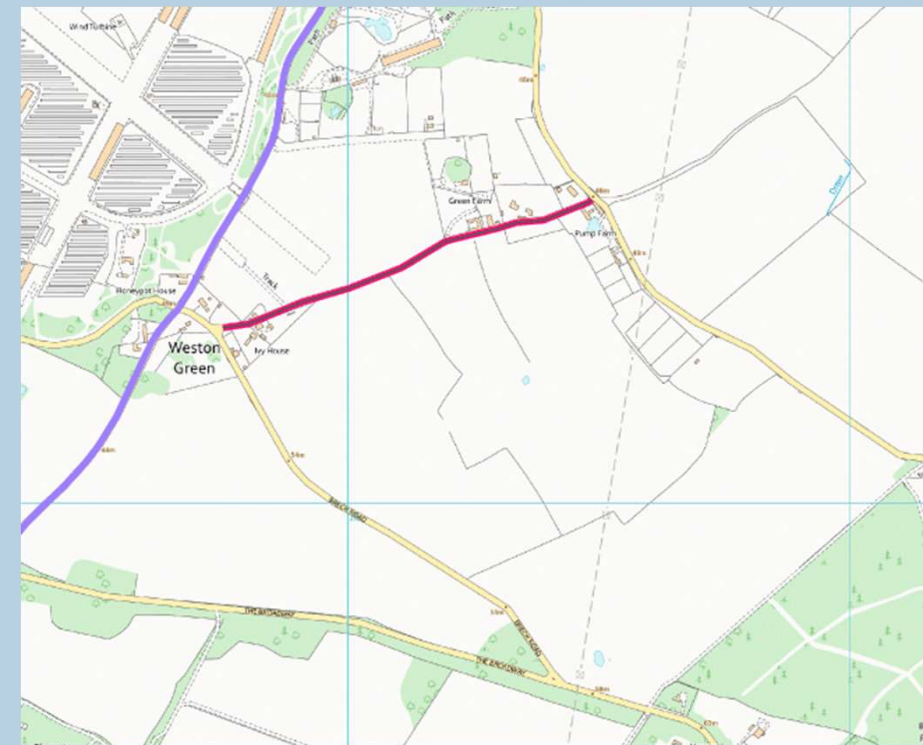
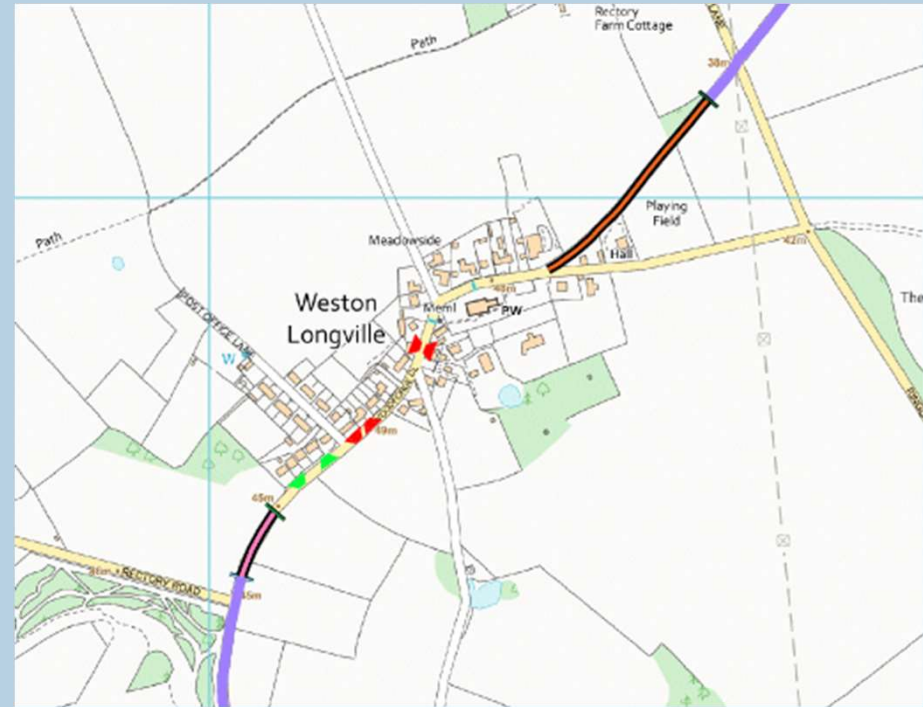
Traffic Assessment Locations



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

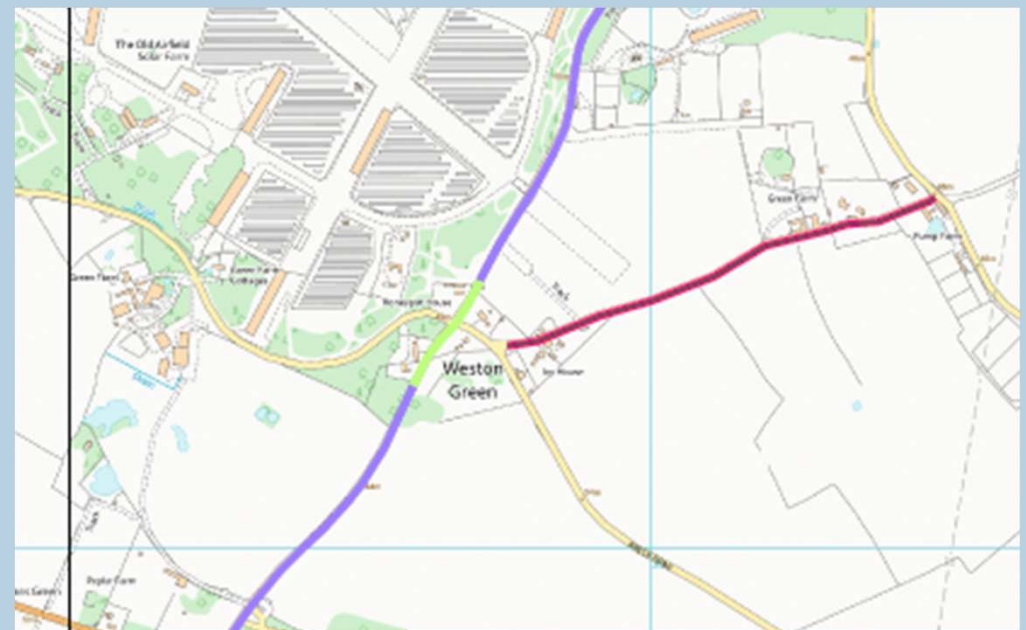
- 850 reduction in vehicles (19%) through Weston Longville.

No	Road Name	2026	2026		
		Do Minimum (including Field Road)	Assessment 1 Flow (including Field Road)	Assessment 1 Change (including Field Road)	Assessment 1 %age (including Field Road)
1	Honingham Road (Weston Longville)	4,410	3,560	-850	-19%
2	B1535 Wood Lane	7,290	6,380	-910	-12%
3	B1535 Walnut Tree Lane	2,920	3,010	90	3%
4	Weston Green Road	370	0	-370	-100%
5	Rectory Road	60	60	0	0%
6	Morton Lane	120	100	-20	-17%
7	Marl Hill	4,460	3,640	-820	-18%
8	Honingham Road, Weston Green	4,110	3,380	-730	-18%
9	Honingham Lane	0	0	0	-
10	Ringland Lane	190	190	0	0%
11	A1067 Lenwade	12,820	13,090	270	2%
12	Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane)	80	40	-40	-50%
13	Weston Road (between Weston Green Road and The Street, Ringland)	380	130	-250	-66%
14	Breck Road	40	30	-10	-25%
15	Taverham Road (south of Honingham Lane)	810	1,200	390	48%
16	B1535 Weston Hall Road	4,500	4,670	170	4%
17	Heath Road, Hockering	1,590	1,620	30	2%
18	Beech Avenue, Taverham	2,030	2,260	230	11%
19	West End, Costessey	8,940	8,940	0	0%
20	The Broadway (east of Breck Road)	40	30	-10	-25%
21	The Street, Ringland	570	310	-260	-46%
22	Field Road	120	100	-20	-17%

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

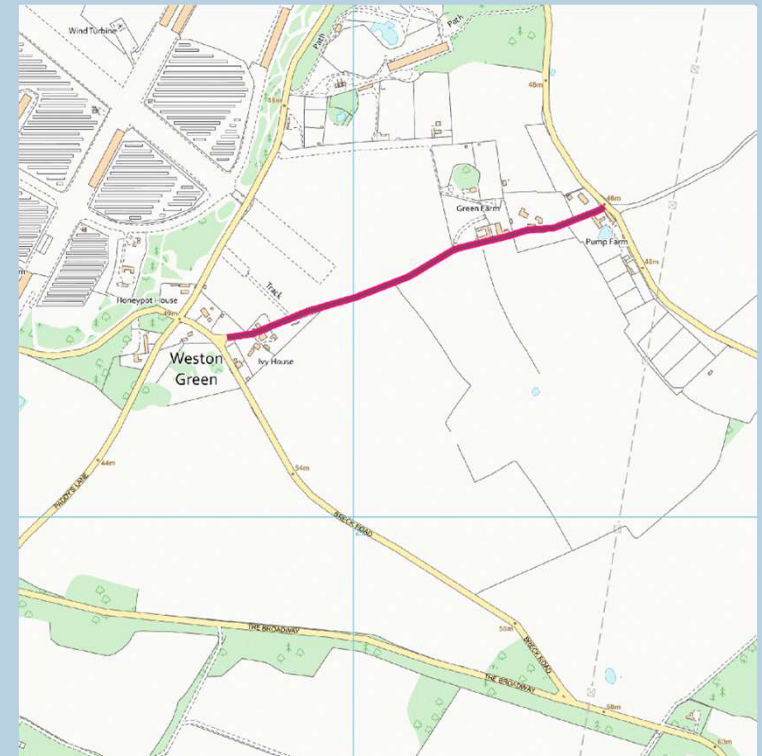
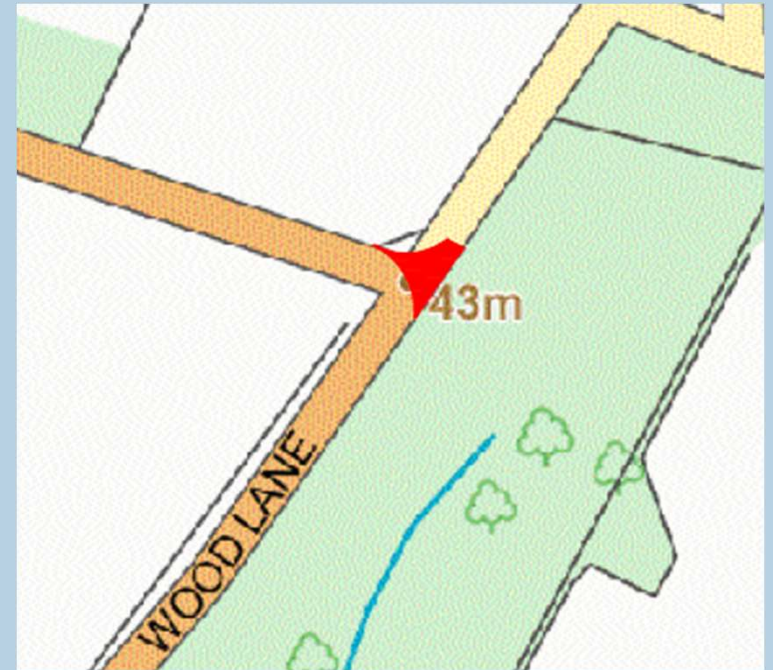
- 880 reduction in vehicles (20%) through Weston Longville.

No	Road Name	2026	2026		
		Do Minimum (including Field Road)	Assessment 2 Flow (including Field Road)	Assessment 2 Change (including Field Road)	Assessment 2 %age (including Field Road)
1	Honingham Road (Weston Longville)	4,410	3,530	-880	-20%
2	B1535 Wood Lane	7,290	6,200	-1,090	-15%
3	B1535 Walnut Tree Lane	2,920	3,010	90	3%
4	Weston Green Road	370	0	-370	-100%
5	Rectory Road	60	60	0	0%
6	Morton Lane	120	70	-50	-42%
7	Marl Hill	4,460	3,650	-810	-18%
8	Honingham Road, Weston Green	4,110	3,190	-920	-22%
9	Honingham Lane	0	0	0	-
10	Ringland Lane	190	190	0	0%
11	A1067 Lenwade	12,820	13,110	290	2%
12	Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane)	80	30	-50	-63%
13	Weston Road (between Weston Green Road and The Street, Ringland)	380	0	-380	-100%
14	Breck Road	40	30	-10	-25%
15	Taverham Road (south of Honingham Lane)	810	1,290	480	59%
16	B1535 Weston Hall Road	4,500	4,650	150	3%
17	Heath Road, Hockering	1,590	1,630	40	3%
18	Beech Avenue, Taverham	2,030	2,250	220	11%
19	West End, Costessey	8,940	8,940	0	0%
20	The Broadway (east of Breck Road)	40	30	-10	-25%
21	The Street, Ringland	570	190	-380	-67%
22	Field Road	120	70	-50	-42%

Assessment 3

Proposal

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



Assessment 3

Modelling Forecasts

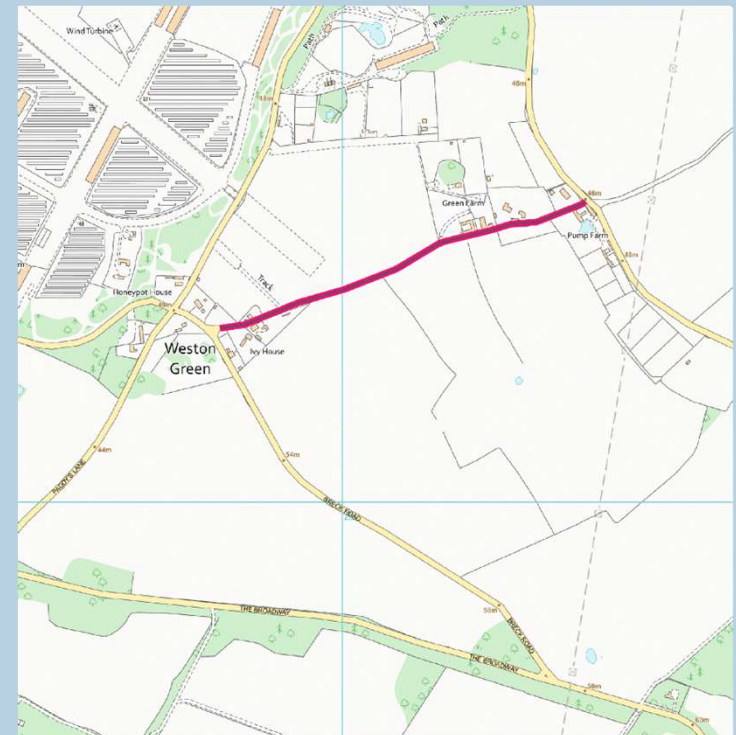
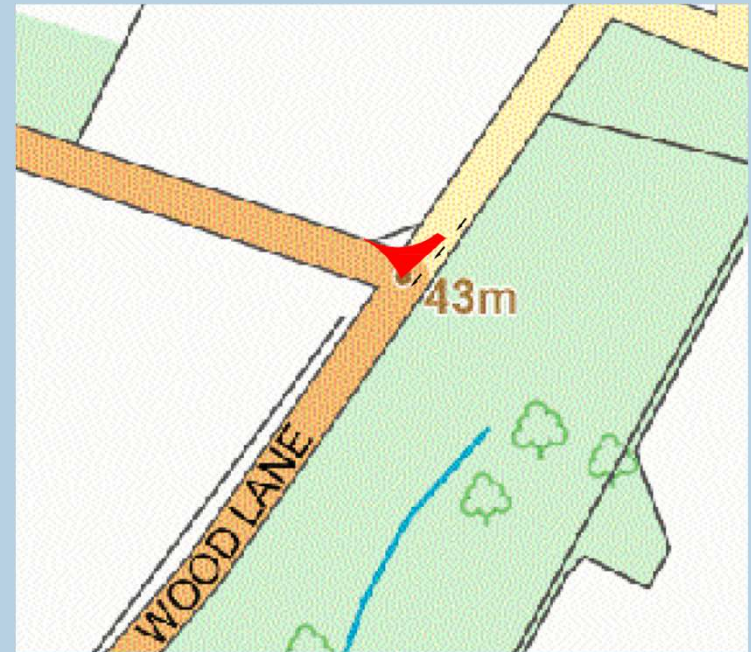
- 2260 reduction in vehicles (51%) through Weston Longville.
- Impacts on
 - B1535 Walnut Tree Lane – 1,630 increase (56%).
 - A1067 Lenwade – 1,080 increase (8%).
 - B1535 Weston Hall Road – 950 increase (21%).
 - Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane) – 1,390 increase (1738%).
 - Taverham Road (south of Honingham Lane) – 750 increase (93%).
 - Heath Road, Hockering – 900 increase (57%).

No	Road Name	2026	2026		
		Do Minimum (including Field Road)	Assessment 3 Flow (including Field Road)	Assessment 3 Change (including Field Road)	Assessment 3 %age (including Field Road)
1	Honingham Road (Weston Longville)	4,410	2,150	-2,260	-51%
2	B1535 Wood Lane	7,290	4,550	-2,740	-38%
3	B1535 Walnut Tree Lane	2,920	4,550	1,630	56%
4	Weston Green Road	370	0	-370	-100%
5	Rectory Road	60	290	230	383%
6	Morton Lane	120	110	-10	-8%
7	Marl Hill	4,460	2,220	-2,240	-50%
8	Honingham Road, Weston Green	4,110	1,540	-2,570	-63%
9	Honingham Lane	0	0	0	-
10	Ringland Lane	190	200	10	5%
11	A1067 Lenwade	12,820	13,900	1,080	8%
12	Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane)	80	1,470	1,390	1738%
13	Weston Road (between Weston Green Road and The Street, Ringland)	380	10	-370	-97%
14	Breck Road	40	70	30	75%
15	Taverham Road (south of Honingham Lane)	810	1,560	750	93%
16	B1535 Weston Hall Road	4,500	5,450	950	21%
17	Heath Road, Hockering	1,590	2,490	900	57%
18	Beech Avenue, Taverham	2,030	2,480	450	22%
19	West End, Costessey	8,940	8,960	20	0%
20	The Broadway (east of Breck Road)	40	70	30	75%
21	The Street, Ringland	570	210	-360	-63%
22	Field Road	120	110	-10	-8%

Assessment 4

Proposal

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



Assessment 4

Modelling Forecasts

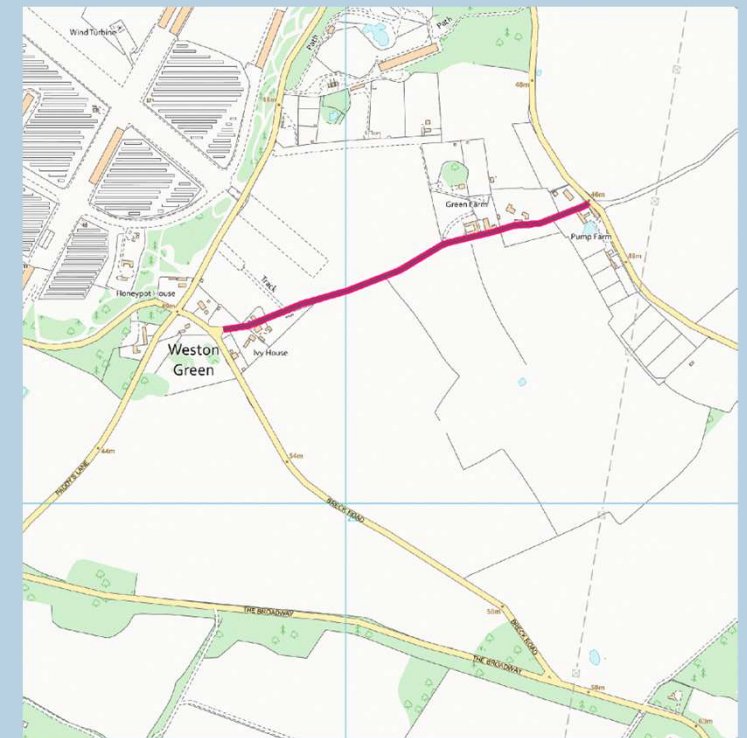
- 970 reduction in vehicles (22%) through Weston Longville.
- Impacts on:
 - B1535 Walnut Tree Lane – 1,370 increase (47%).
 - Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane) – 1,070 increase (1338%).
 - Taverham Road (south of Honingham Lane) – 490 increase (60%).

No	Road Name	2026	2026		
		Do Minimum (including Field Road)	Assessment 4 Flow (including Field Road)	Assessment 4 Change (including Field Road)	Assessment 4 %age (including Field Road)
1	Honingham Road (Weston Longville)	4,410	3,440	-970	-22%
2	B1535 Wood Lane	7,290	6,160	-1,130	-16%
3	B1535 Walnut Tree Lane	2,920	4,290	1,370	47%
4	Weston Green Road	370	0	-370	-100%
5	Rectory Road	60	130	70	117%
6	Morton Lane	120	110	-10	-8%
7	Marl Hill	4,460	3,500	-960	-22%
8	Honingham Road, Weston Green	4,110	3,080	-1,030	-25%
9	Honingham Lane	0	0	0	-
10	Ringland Lane	190	200	10	5%
11	A1067 Lenwade	12,820	13,190	370	3%
12	Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane)	80	1,150	1,070	1338%
13	Weston Road (between Weston Green Road and The Street, Ringland)	380	70	-310	-82%
14	Breck Road	40	70	30	75%
15	Taverham Road (south of Honingham Lane)	810	1,300	490	60%
16	B1535 Weston Hall Road	4,500	4,750	250	6%
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	8,940	0	0%
20	The Broadway (east of Breck Road)	40	70	30	75%
21	The Street, Ringland	570	270	-300	-53%
22	Field Road	120	110	-10	-8%

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

- 870 reduction in vehicles (20%) through Weston Longville.
- Impacts on:
 - B1535 Weston Hall Road – 410 increase (9%).

No	Road Name	2026	2026		
		Do Minimum (including Field Road)	Assessment 5 Flow (including Field Road)	Assessment 5 Change (including Field Road)	Assessment 5 %age (including Field Road)
1	Honingham Road (Weston Longville)	4,410	3,540	-870	-20%
2	B1535 Wood Lane	7,290	6,400	-890	-12%
3	B1535 Walnut Tree Lane	2,920	3,060	140	5%
4	Weston Green Road	370	0	-370	-100%
5	Rectory Road	60	60	0	0%
6	Morton Lane	120	340	220	183%
7	Marl Hill	4,460	3,360	-1,100	-25%
8	Honingham Road, Weston Green	4,110	3,390	-720	-18%
9	Honingham Lane	0	0	0	-
10	Ringland Lane	190	210	20	11%
11	A1067 Lenwade	12,820	12,940	120	1%
12	Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane)	80	10	-70	-88%
13	Weston Road (between Weston Green Road and The Street, Ringland)	380	130	-250	-66%
14	Breck Road	40	40	0	0%
15	Taverham Road (south of Honingham Lane)	810	1,150	340	42%
16	B1535 Weston Hall Road	4,500	4,910	410	9%
17	Heath Road, Hockering	1,590	1,600	10	1%
18	Beech Avenue, Taverham	2,030	2,230	200	10%
19	West End, Costessey	8,940	8,950	10	0%
20	The Broadway (east of Breck Road)	40	40	0	0%
21	The Street, Ringland	570	340	-230	-40%
22	Field Road	120	150	30	25%

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

- 1,340 reduction in vehicles (30%) through Weston Longville.
- Impacts on:
 - B1535 Weston Hall Road – 540 increase (12%).
 - Taverham Road (south of Honingham Lane) – 590 increase (73%).

No	Road Name	2026	2026		
		Do Minimum (including Field Road)	Assessment 6 Flow (including Field Road)	Assessment 6 Change (including Field Road)	Assessment 6 %age (including Field Road)
1	Honingham Road (Weston Longville)	4,410	3,070	-1,340	-30%
2	B1535 Wood Lane	7,290	5,870	-1,420	-19%
3	B1535 Walnut Tree Lane	2,920	3,110	190	7%
4	Weston Green Road	370	0	-370	-100%
5	Rectory Road	60	60	0	0%
6	Morton Lane	120	320	200	167%
7	Marl Hill	4,460	2,920	-1,540	-35%
8	Honingham Road, Weston Green	4,110	2,770	-1,340	-33%
9	Honingham Lane	0	0	0	-
10	Ringland Lane	190	200	10	5%
11	A1067 Lenwade	12,820	13,090	270	2%
12	Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane)	80	20	-60	-75%
13	Weston Road (between Weston Green Road and The Street, Ringland)	380	0	-380	-100%
14	Breck Road	40	30	-10	-25%
15	Taverham Road (south of Honingham Lane)	810	1,400	590	73%
16	B1535 Weston Hall Road	4,500	5,040	540	12%
17	Heath Road, Hockering	1,590	1,670	80	5%
18	Beech Avenue, Taverham	2,030	2,350	320	16%
19	West End, Costessey	8,940	8,950	10	0%
20	The Broadway (east of Breck Road)	40	30	-10	-25%
21	The Street, Ringland	570	200	-370	-65%
22	Field Road	120	130	10	8%

Assessment 7

Assessment 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

- 2,080 reduction in vehicles (47%) through Weston Longville.
- Impacts on:
 - B1535 Walnut Tree Lane – 770 increase (26%).
 - B1535 Weston Hall Road – 820 increase (18%).
 - **Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane) – 470 increase (588%).**
 - **Taverham Road (south of Honingham Lane) – 770 increase (95%).**
 - **Beach Avenue, Taverham – 530 increase (26%).**

No	Road Name	2026	2026		
		Do Minimum (including Field Road)	Assessment 7 Flow (including Field Road)	Assessment 7 Change (including Field Road)	Assessment 7 %age (including Field Road)
1	Honingham Road (Weston Longville)	4,410	2,330	-2,080	-47%
2	B1535 Wood Lane	7,290	5,160	-2,130	-29%
3	B1535 Walnut Tree Lane	2,920	3,690	770	26%
4	Weston Green Road	370	0	-370	-100%
5	Rectory Road	60	70	10	17%
6	Morton Lane	120	340	220	183%
7	Marl Hill	4,460	2,170	-2,290	-51%
8	Honingham Road, Weston Green	4,110	2,080	-2,030	-49%
9	Honingham Lane	0	0	0	-
10	Ringland Lane	190	190	0	0%
11	A1067 Lenwade	12,820	13,460	640	5%
12	Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane)	80	550	470	588%
13	Weston Road (between Weston Green Road and The Street, Ringland)	380	90	-290	-76%
14	Breck Road	40	80	40	100%
15	Taverham Road (south of Honingham Lane)	810	1,580	770	95%
16	B1535 Weston Hall Road	4,500	5,320	820	18%
17	Heath Road, Hockering	1,590	1,920	330	21%
18	Beech Avenue, Taverham	2,030	2,560	530	26%
19	West End, Costessey	8,940	8,950	10	0%
20	The Broadway (east of Breck Road)	40	80	40	100%
21	The Street, Ringland	570	280	-290	-51%
22	Field Road	120	150	30	25%

Assessment 8

Assessment 2

- 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.

Plus

- No left turn into Marl Hill for westbound vehicles on A1067.
- Plus, narrowing of Marl Hill.
- Plus, 40 mph speed limit Hungate Common, Rectory Road, Morton Lane and Field Road.

Modelling Forecasts

- 2,580 reduction in vehicles (59%) through Weston Longville.
- Impacts on:
 - A1067 Lenwade – 1,250 increase (10%).
 - B1535 Weston Hall Road – 1,500 increase (33%).
 - Taverham Road (south of Honingham Lane) – 740 increase (91%).
 - Heath Road, Hockering – 920 increase (58%).

No	Road Name	2026	2026		
		Do Minimum (including Field Road)	Assessment 8 Flow (including Field Road)	Assessment 8 Change (including Field Road)	Assessment 8 %age (including Field Road)
1	Honingham Road (Weston Longville)	4,410	1,830	-2,580	-59%
2	B1535 Wood Lane	7,290	4,670	-2,620	-36%
3	B1535 Walnut Tree Lane	2,920	3,100	180	6%
4	Weston Green Road	370	0	-370	-100%
5	Rectory Road	60	60	0	0%
6	Morton Lane	120	440	320	267%
7	Marl Hill	4,460	1,480	-2,980	-67%
8	Honingham Road, Weston Green	4,110	1,570	-2,540	-62%
9	Honingham Lane	0	0	0	-
10	Ringland Lane	190	280	90	47%
11	A1067 Lenwade	12,820	14,070	1,250	10%
12	Weston Green Road (between Paddy's Lane/Honingham Lane and B1535 Sandy Lane)	80	30	-50	-63%
13	Weston Road (between Weston Green Road and The Street, Ringland)	380	0	-380	-100%
14	Breck Road	40	30	-10	-25%
15	Taverham Road (south of Honingham Lane)	810	1,550	740	91%
16	B1535 Weston Hall Road	4,500	6,000	1,500	33%
17	Heath Road, Hockering	1,590	2,510	920	58%
18	Beech Avenue, Taverham	2,030	2,510	480	24%
19	West End, Costessey	8,940	8,950	10	0%
20	The Broadway (east of Breck Road)	40	30	-10	-25%
21	The Street, Ringland	570	280	-290	-51%
22	Field Road	120	250	130	108%

Assessment 9

Assessment 8

- 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.
- Plus, No left turn into Marl Hill for westbound vehicles on A1067.
- Plus, narrowing of Marl Hill.
- Plus, 40 mph speed limit Hungate Common, Rectory Road, Morton Lane and Field Road.

Plus

- No entry to eastbound traffic up Field Road.

Not modelled to date

- Model shows 250 vehicles (two-way) using Field Road for Assessment 8 – 130 increase.

Assessment 10

Assessment 6 (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.

Plus

- No entry to eastbound traffic up Field Road

Not modelled to date

- Model shows 130 vehicles (two-way) using Field Road for Assessment 6 – 10 increase.

Assessment 11

Assessment 2

- 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.

Plus

- Narrowing of Marl Hill.
- Narrowing of Paddy's lane from the junction with the HGV route to Weston Green crossroads (perhaps nearer the Weston Green junction end of Paddy's Lane).
- 40 mph speed limit Hungate Common, Rectory Road, Morton Lane and Field Road.

Not modelled to date

- Narrowing the length of Paddy's Lane/Honingham Road up to the southern end of Weston Longville village may not be entirely compatible with the proposed 40mph speed limit here or cost effective given the length of this road.
- Particularly as the purpose of the proposed traffic management is to mitigate the impacts during the interim period between the A47 Easton to North Tuddenham scheme closing the Easton roundabout and the Norwich Western Link being in place.

Assessment 12

Assessment 3

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

Plus

- Closure of Hungate Common Road.

Not modelled to date

- Model shows 290 vehicles (two-way) using Rectory Road (Model Point 5 – combined Rectory Road/Hungate Common Road), for Assessment 3 – 230 increase.

Assessment 13

Assessment 4

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

Plus

- Closure of Hungate Common Road.

Not modelled to date

- Model shows 130 vehicles using Rectory Road (Model Point 5 – combined Rectory Road/Hungate Common Road), for Assessment 4 – 70 increase.