

A37 Route Collision Review

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Background

- **Concerns raised by local residents, parish councils, ward councillors, Road Safety Team regarding increasing collisions on A37.**
- **A new approach to selecting schemes using a Route Collision Investigation and Review technique**
- Police have provided support and expertise with on-site investigations, evaluation and remedial solutions.

Site Description

- The A37 runs north from A35 at Dorchester, into Somerset and terminating at the Three Lamps junction with the A4 in Bristol.
- B&NES Council boundary is from Farrington Gurney to Whitchurch.
- Distance of 14.25 kilometres, predominantly rural single carriageway.
- The A37 consists of a number of major junctions, staggered crossroads, a roundabout and signalled junctions, and varying speed limits.

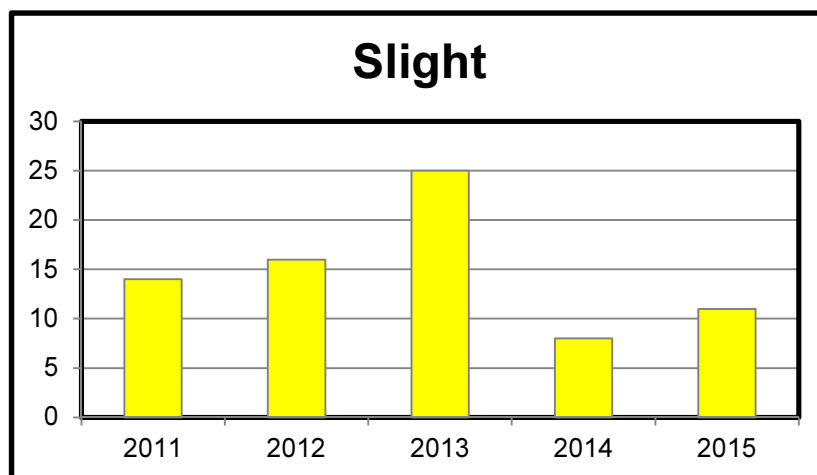
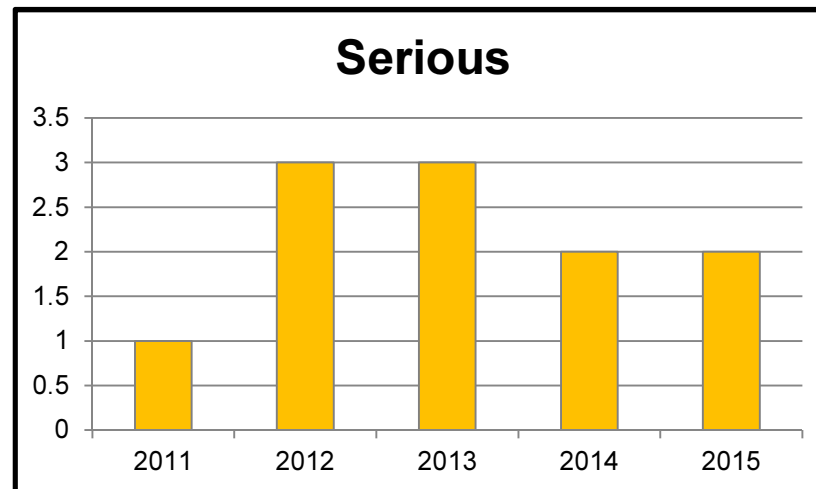
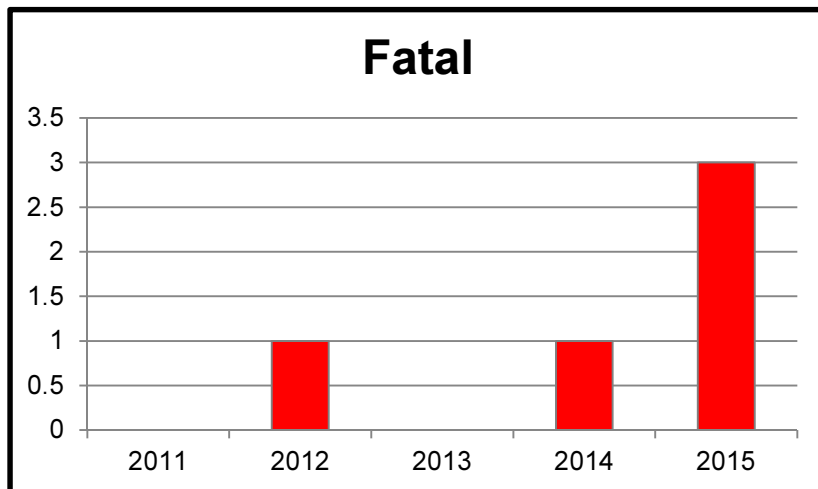
Summary of Route problems

- Collision data Dec 2010 – Dec 2015
- 30 collisions involved vehicles losing control
- 24 collisions were caused by rear end shunts
- 10 collisions involved vehicles overtaking
- 9 collisions involved vehicles turning right
- 8 collisions involved junction restarts
- 5 collisions involved pedestrians
- 4 collisions involved vehicles overshooting the junction

Statistical Summary

- Traffic flow = 18,969 vehicles per day.
- Total collisions = 90 five year period
- Collisions = 18 per year average
- (KSI) equate to 18% of all collisions.

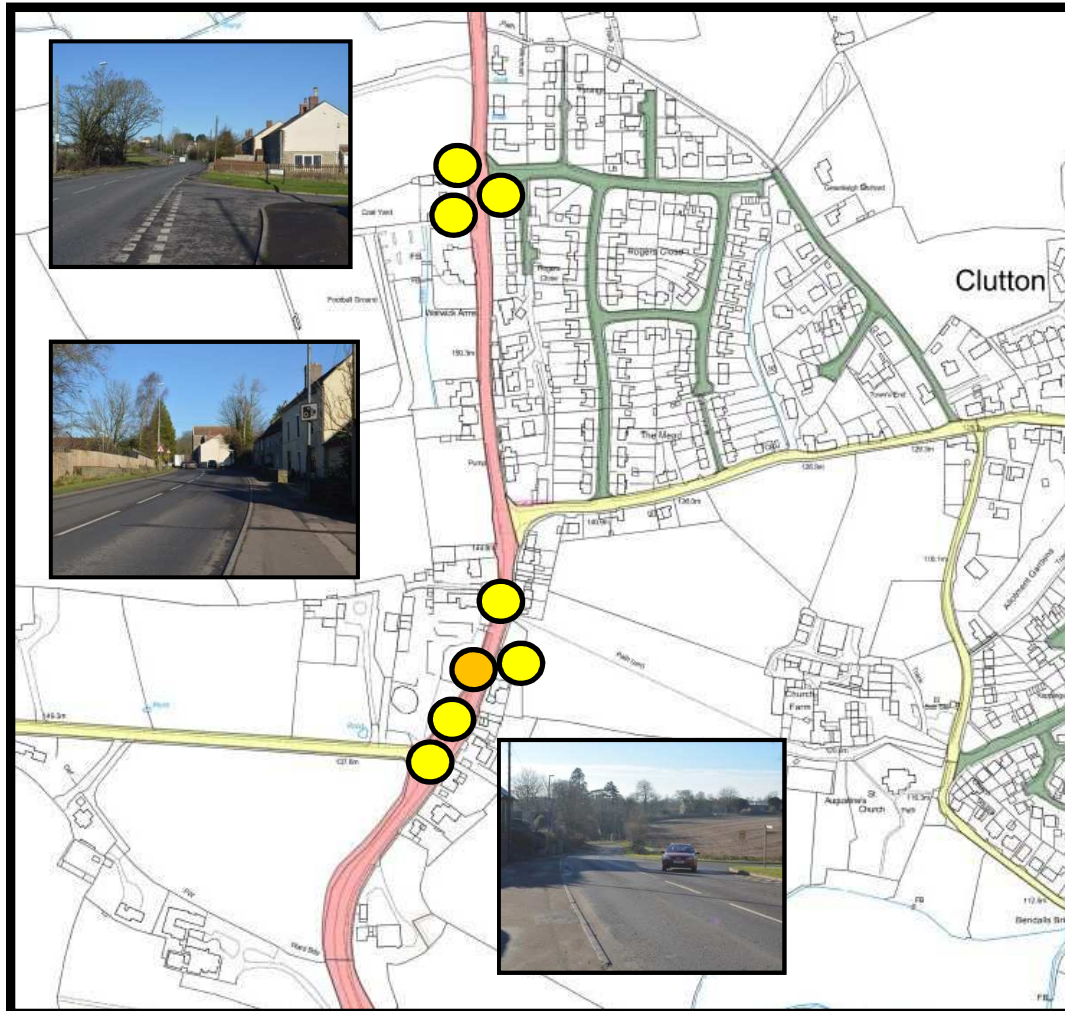
Accident Data



12 Cluster Sites identified

1. Farrington Gurney, A362 junction to village boundary.
2. Whitecross, A37 junction with A39
3. Temple Cloud, southern village boundary
4. **Clutton, Stowey Lane to Rogers Close**
5. Clutton, Redhill
6. Chelwood roundabout
7. Pensford, Birchwood Lane junction
8. **Pensford, southern village approach**
9. Belluton, B3130 junction
10. Hursley Hill, south of layby to north of Gibbet Lane
11. Whitchurch, Woollard Lane junction
12. Whitchurch, Staunton Lane junction

Cluster Site 4 – Clutton village



Collision Summary

Total = 8 collisions

- 0 fatal
- 1 serious
- 7 slight

Remedial Measures

- Reduce the existing speed limit.
- Implement additional lining and upgrade signage.

Estimated cost of scheme

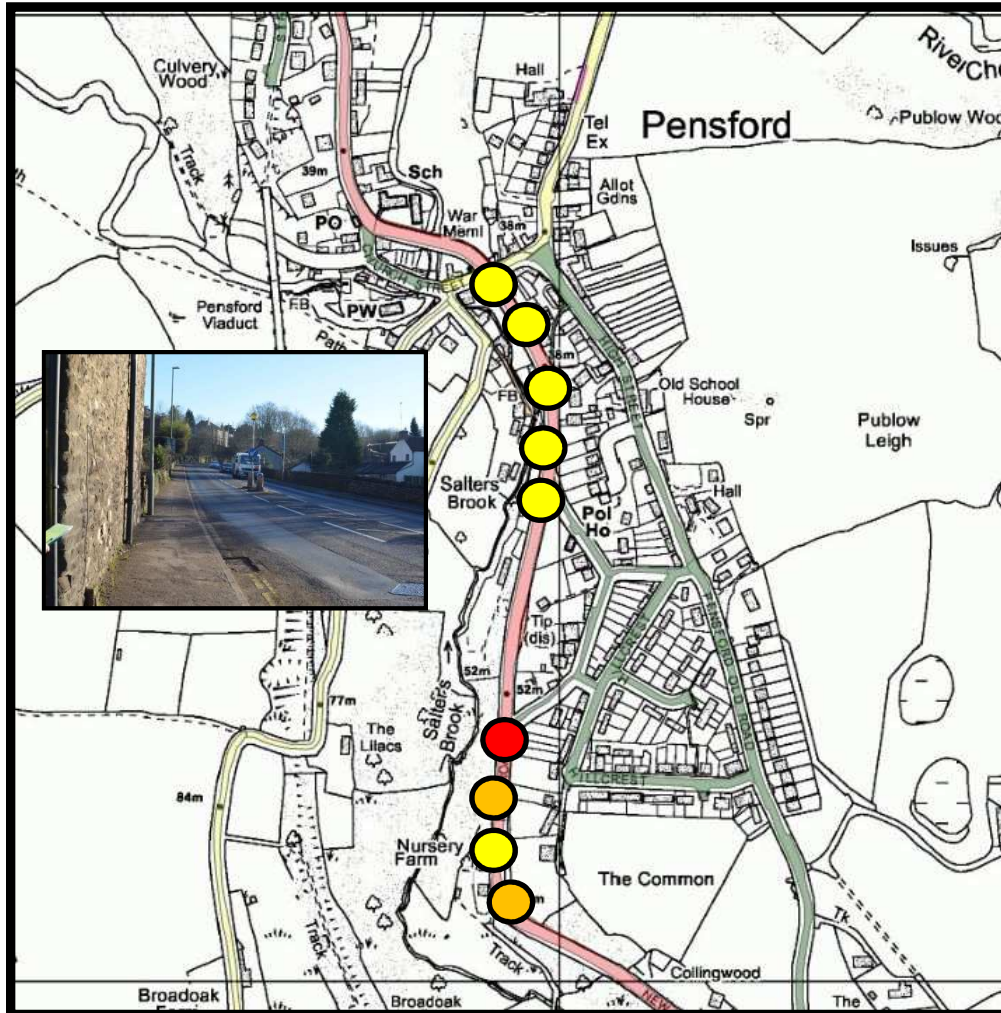
= £6,000

Economic Assessment

First Year Rate of Return

= 1261%

Cluster Site 8 – Pensford, southern village



Collision Summary

Total = 9 collisions

- 1 fatal
- 2 serious
- 6 slight

Remedial Measures

- Reduce the current speed limit
- Upgrade the chevrons at Nursery Farm.
- Clean / replace damaged bollards.
- Cut back any vegetation.
- Side out footway of debris.
- Repaint all lining.

Estimated cost of scheme
= £18,000

Economic Assessment
First Year Rate of Return
= 473%

Route Improvements

- 30 mph speed limit through villages.
- Where necessary upgrade warning signs with high vis backboards.
- Provide red carriageway surface at overtaking hatched areas.
- Review SCRIM test with cluster sites to determine any resurfacing issues.
- White lining along the whole route requires attention.
- Vegetation at various locations is overhanging and requires chopping.
- There are two safety camera on the route that are currently not working and should as a matter of urgency be operational.
- Thoughts should be given to the ‘think bike’ campaign which makes driver aware of motorcycles using the A37.

Recommended Schemes

Location of Measure	Summary of Measures	Cost of Scheme	Collisions saved per year	First Rate of Return %	Cost saving to society per year
2 Whitecross	White Lining, Renew Signage	£1,000	0.35	4729%	£47,292
6 Chelwood Roundabout	Improve Signage, Improve Lining, Clean furniture	£2,000	0.21	1418%	£28,375
7 Birchwood Lane, Chelwood	Install maximum speed signage, Upgrade existing signage, Additional Lining	£2,000	0.21	1418%	£28,375
4 Clutton	Reduce speed limit to 30mph, Additional Lining, Signage	£6,000	0.56	1261%	£75,667
1 Farrington Gurney	Reduce speed limit to 30mph, 40mph buffer on south approach, Additional signage	£7,000	0.42	810%	£56,750
9 Belluton Junction, Pensford	White lining, Anti-skid (Red), Additional Signage, Reduce overtaking lane	£10,000	0.49	662%	£66,209
3 Temple Cloud	Relocate 30 mph terminal, Reposition signage, White Lining	£7,000	0.28	540%	£37,833
8 Pensford southern approach (option 1)	Reduce speed limit to 40 mph, Relocation 30 mph, Upgrade Signing, Cut back trees & veg, Side out footway, White Lining	£18,000	0.63	473%	£85,126
11 Woollard Lane, Whitchurch (option 1)	Relocate 30mph, White Lining	£6,000	0.21	473%	£28,375
10 Hursley Hill, Whitchurch	Reduce speed limit to 40 mph, White Lining, Anti-Skid (red), Reinstate cats eyes, Improve signage, Cut back vegetation, Clean street furniture	£42,000	0.98	315%	£132,418
5 Red Hill, Clutton (option 1)	Additional signage, New cats eyes, White Lining	£10,000	0.21	283%	£28,375
Total including Contingency 25%		£138750	5		£614,795

Next Steps

- » Pilot schemes in 2016/17 Capital Programme.
- » Consultation.
- » Further schemes to be implemented in the future Capital Programme.
- » ‘Shelf ready’ schemes.
- » Continue to monitor accident data.

Future Route Reviews ('A' Road Collisions per km - Dec 2010 – Dec 2015)

Route	Fatal	Serious	Slight	Total	Ave per Km
A4	2	27	273	302	15.4
A36	2	10	158	170	13.6
A367	2	19	179	200	12
A362	0	4	81	85	10.3
A37	5	11	74	90	6.3
A39	1	2	60	63	4.6
A368	1	7	35	41	2.3

Any Questions ?