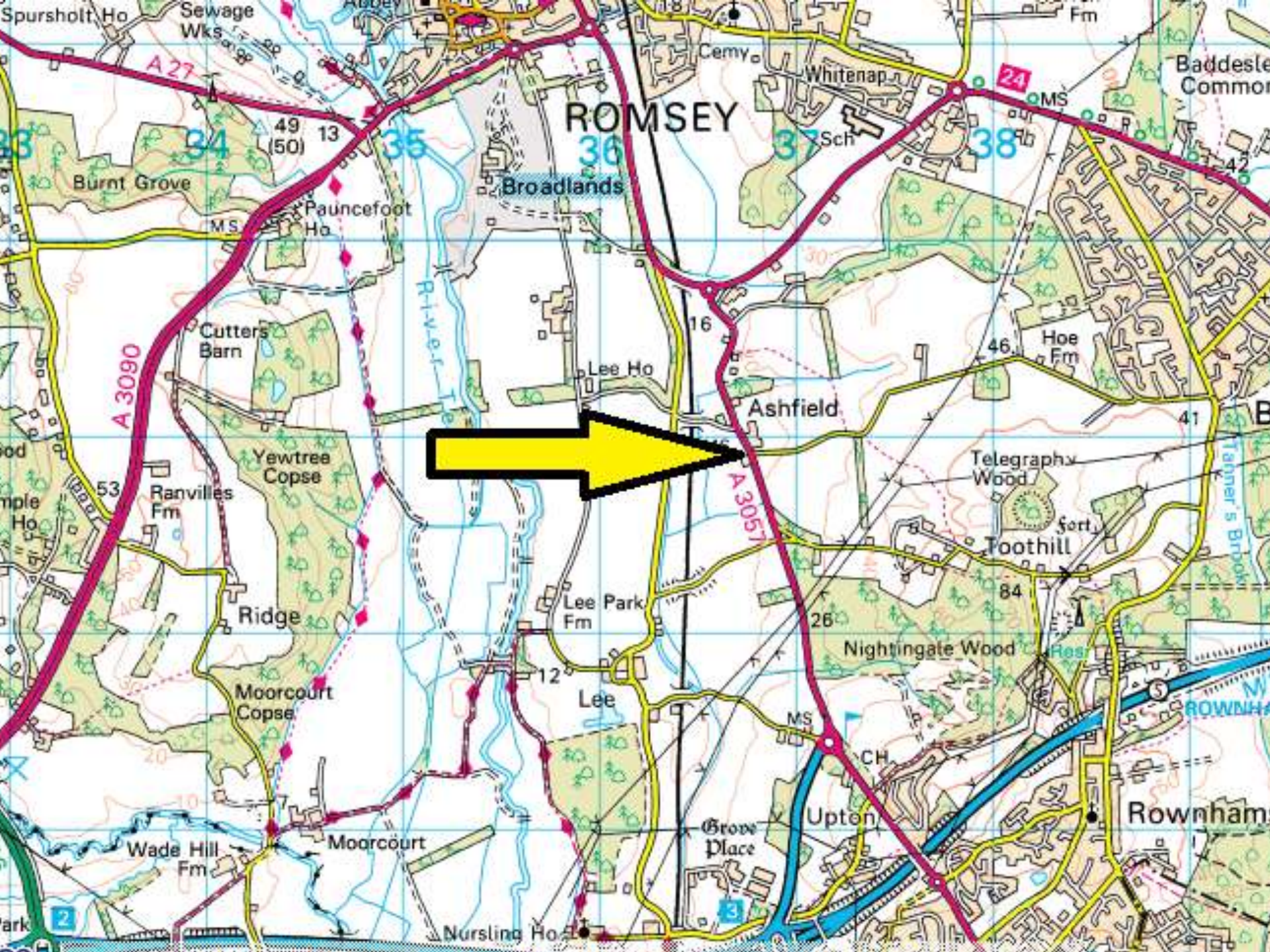




Collision Investigation

Ian Medd MCIHT FSoRSA



ROMSEY



Broadlands

Ashfield

Lee

Upton

Rownham

Wade Hill Fm

Moorcourt

Nursling Ho

Grove Place

MS

Nightingate Wood

Sort

Toothill

Telegraphy Wood

Hoe Fm

Lee Ho

Cutters Barn

Pauncefoot Ho

Burnt Grove

Baddesley Common

Whitenap

Cemy

Sewage Wks

Spursholt Ho







Crash data
Control Data
Traffic flows and speeds
Maintenance records
SCRIM report
Construction drawings
Layout changes

Contributory Factors Report Summary - A3057/Hoe Ln Ashfield Before

Accidents Found Date Range: 29/01/2007 - 09/05/2011

Grid Coordinate Range: 436752,118890-436759,118910

Accident Date BETWEEN '20-Jul-2006' AND '19-Jul-2011'

Accident Severity

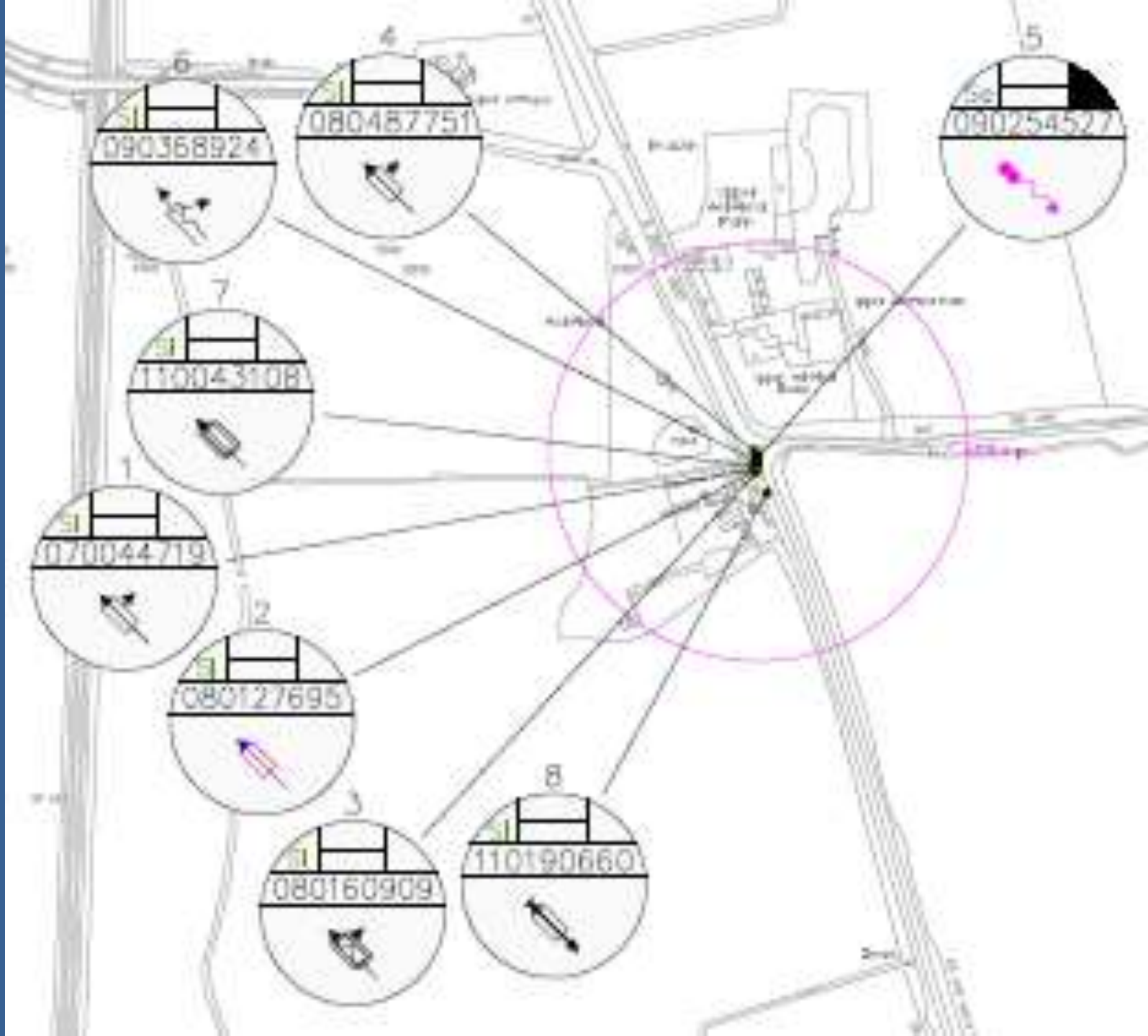
	2007	2008	2009	2011	Total
Serious	0	0	1	0	1
Slight	1	3	1	2	7
Total	1	3	2	2	8

Casualty Severity

	2007	2008	2009	2011	Total
Serious	0	0	1	0	1
Slight	1	6	3	6	16
Total	1	6	4	6	17

Casualty KSI

	2007	2008	2009	2011	Total
Adult KSI	0	0	1	0	1
Slight	1	6	3	6	16
Total	1	6	4	6	17



Accident Reference:070044719

Slight

A3057 JW HOE LANE ASHFIELD

Accident 1 of 8

Monday 29/01/2007 17:10

Grid Coords 436753/118901

Daylight Daylight

Surface Dry

Weather Fine without high winds

Contributory Factors

306 Exceeding speed limit (Driver/Rider - Injudicious)
308 Following too close (Driver/Rider - Injudicious)
404 Failed to signal/misleading signal (Driver/Rider - Error)
405 Failed to look properly (Driver/Rider - Error)
602 Careless/Reckless (Driver/Rider - Behaviour)

Participant	Confidence	Did a police officer attend?
Vehicle 002	Possible	Yes
Vehicle 002	Possible	
Vehicle 001	Possible	
Vehicle 002	Possible	
Vehicle 002	Very likely	

Accident Description

CAR1 TRAV NORTH A3057 TOWARDS ROMSEY SLOWING TO TURN RIGHT INTO HOE LANE CAR2 COLLIDED WITH REAR CAR1

Vehicles

1 Car	Waiting to turn right	No skid	Negative	SE to NW	Female Age 28
2 Car	Going ahead other	No skid	Negative	SE to NW	Male Age 30

Casualties

1 Driver or Rider	Slight	Vehicle no.1	Female 28
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Accident Reference:080127695

Slight

A3057 JW HOE LANE ASHFIELD

Accident 2 of 8

Tuesday 25/03/2008 16:05

Grid Coords 436755/118901

Daylight Daylight

Surface Dry

Weather Fine without high winds

Contributory Factors

408 Sudden braking (Driver/Rider - Error)
408 Failed to look properly (Driver/Rider - Error)

Participant Confidence

Vehicle 002 Possible
Vehicle 002 Possible

Did a police
officer attend?
Yes

Accident Description

COACH1 TRAV NORTHWEST A3057 SLOWED TO A STOP FOR TRAFFIC INFRONT VAN2 BEHIND FAILED TO SLOW
COLLIDED INTO REAR OF COACH1

Vehicles

1 Bus or Coach	Waiting to go ahead but held up	No skid	Negative	SE to NW	Male Age 46
2 Van/Goods < 3.5t	Going ahead other	No skid	Not requested	SE to NW	Male Age 42

Casualties

1 Driver or Rider	Slight	Vehicle no.2	Male 42
2 Passenger	Slight	Vehicle no.2	Male 1

Accident Reference:080160909 Slight A3057 JW HOE LANE ASHFIELD Accident 3 of 8

Tuesday 15/04/2008 11:00 Grid Coords 436754/118900 Daylight Daylight

Surface Dry Weather Fine without high winds

Contributory Factors

	Participant	Confidence	Did a police officer attend?
405 Failed to look properly (Driver/Rider - Error)	Vehicle 004	Very likely	Yes
602 Careless/Reckless (Driver/Rider - Behaviour)	Vehicle 004	Very likely	
406 Failed to judge other person's path/speed (Driver/Rider - Error)	Vehicle 004	Very likely	

Accident Description

CAR1 TRAV NORTHWEST A3057 WAITING TO TURN RIGHT INTO HOE LANE CAR2 AND CAR3 STOP BEHIND LORRY4 HITS REAR OF CAR3 SHUNTING IT INTO REAR CAR2 WHICH HITS REAR OF CAR1

Vehicles

1 Car	Waiting to turn right	No skid	Negative	SE to NW	Male Age 19
2 Car	Waiting to go ahead but held up	No skid	Negative	SE to NW	Female Age 44
3 Car	Waiting to go ahead but held up	No skid	Negative	SE to NW	Female Age 46
4 Goods > 7.5t	Going ahead other	Skid	Negative	SE to NW	Male Age 56

Casualties

1 Driver or Rider	Slight	Vehicle no.2	Female 44
2 Driver or Rider	Slight	Vehicle no.3	Female 46

Accident Reference:080487751

Slight

A3057 JW HOE LANE ASHFIELD

Accident 4 of 8

Sunday 02/11/2008 13:00

Grid Coords 436753/118910

Daylight Daylight

Surface Dry

Weather Fine without high winds

Contributory Factors

405 Failed to look properly (Driver/Rider - Error)
708 Spray from other vehicles (Driver/Rider - Vision Affected)

Participant	Confidence
Vehicle 001	Very likely
Vehicle 001	Possible

Did a police officer attend?
Yes

Accident Description

CAR2 TRAV NORTHWEST A3057 WAITING TO TURN RIGHT IN TO HOE LANE CAR1 TRAV BEHIND FAILS TO SLOW COLLIDES WITH REAR OF CAR2

Vehicles

1 Car	Going ahead other	No skid	Negative	SE to NW	Male Age 77
2 Car	Waiting to turn right	No skid	Negative	SE to NW	Male Age 48

Casualties

1 Driver or Rider	Slight	Vehicle no.2	Male 48
2 Passenger	Slight	Vehicle no.2	Female 59

Accident Reference:090254527

Serious

A3057 JW HOE LANE ASHFIELD

Accident 5 of 8

Friday 12/06/2009 21:20

Grid Coords 426754/118906

Daylight Dark/no lights

Surface Dry

Weather Fine without high winds

Contributory Factors

101 Poor or defective road surface (Road Environment Contrib)
406 Failed to judge other person's path/speed (Driver/Rider - Error)
307 Travelling too fast for conditions (Driver/Rider - Injudicious)

Participant Confidence

Vehicle 001 Possible
Vehicle 001 Possible
Vehicle 001 Possible

Did a police
officer attend?
Yes

Accident Description

M/C1 TRAV SOUTHEAST A3057 LOST CONTROL DUE TO UNEVEN ROAD SURFACE CAUSING RIDER TO FALL

Vehicles

1 M/cycle > 500cc Going ahead other Skid Negative NW to SE Male Age 49

Casualties

1 Driver or Rider Serious Vehicle no.1 Male 49

Accident Reference:090368924

Slight

A3057 JW HOE LANE ASHFIELD

Accident 6 of 8

Sunday 23/08/2009 14:40

Grid Coords 436754/118905

Daylight Daylight

Surface Dry

Weather Fine without high winds

Contributory Factors

308 Following too close (Driver/Rider - Injudicious)
406 Failed to judge other person's path/speed (Driver/Rider - Error)

Participant	Confidence
Vehicle 002	Possible
Vehicle 002	Very likely

Did a police officer attend?
Yes

Accident Description

CAR1 TRAV NORTHWEST A3057 SLOWED TO TURN RIGHT INTO HOE LANE CAR2 BEHIND FAILED TO SLOW SUFFICIENTLY AND COLLIDED INTO REAR CAR1 SHUNTING IT INTO A DITCH ON N/SIDE

Vehicles

1 Car	Turning right	No skid	Negative	SE to E	Female Age 40
2 Car	Going ahead other	Skid	Negative	SE to NW	Male Age 25

Casualties

1 Driver or Rider	Slight	Vehicle no.1	Female 40
2 Passenger	Slight	Vehicle no.1	Male 41
3 Passenger	Slight	Vehicle no.2	Female 27

Accident Reference:110042108

Slight

A3057 ROMSEY RD JW HOE LANE ASHFIELD

Accident 7 of 8

Sunday 30/01/2011 13:40

Grid Coords 436752/118903

Daylight Daylight

Surface Dry

Weather Fine without high winds

Contributory Factors

306 Exceeding speed limit (Driver/Rider - Injudicious)
308 Following too close (Driver/Rider - Injudicious)
405 Failed to look properly (Driver/Rider - Error)
406 Failed to judge other person's path/speed (Driver/Rider - Error)
602 Careless/Reckless (Driver/Rider - Behaviour)

Participant Confidence

Vehicle 001 Possible
Vehicle 001 Possible
Vehicle 001 Possible
Vehicle 001 Possible
Vehicle 001 Possible

Did a police
officer attend?
Yes

Accident Description

CAR1 TRAV NORTH A3057 ROMSEY RD FAILED TO BRAKE COLLIDED WITH REAR OF STATIONARY CAR2 IN FRONT
CAR2 PUSHED INTO REAR OF STATIONARY CAR3 WAITING FOR VEH IN FRONT TO TURN RIGHT

Vehicles

1 Car	Going ahead other	No skid	Negative	SE to NW	Male Age 31
2 Car	Waiting to go ahead but held up	No skid	Negative	SE to NW	Male Age 65
3 Car	Waiting to go ahead but held up	No skid	Negative	SE to NW	Male Age 30

Casualties

1 Passenger	Slight	Vehicle no.1	Female 31
2 Driver or Rider	Slight	Vehicle no.2	Male 65
3 Passenger	Slight	Vehicle no.2	Female 61

Accident Reference:110190660

Slight

A3057 SOUTHAMPTON RD JW HOE LANE ASHFIELD

Accident 8 of 8

Monday 09/05/2011 06:48

Grid Coords 436759/118890

Daylight Daylight

Surface Dry

Weather Fine without high winds

Contributory Factors

406 Failed to judge other person's path/speed (Driver/Rider - Error)
307 Travelling too fast for conditions (Driver/Rider - Injudicious)
602 Careless/Reckless (Driver/Rider - Behaviour)

Participant

Confidence

Did a police
officer attend?
Yes

Vehicle 001 Very likely
Vehicle 001 Possible
Vehicle 001 Very likely

Accident Description

CAR1 TRAV NW A3057 SOUTHAMPTON RD FAILS TO BRAKE COLLIDES INTO REAR CAR2 CAR1 SWERVES & COLLIDES WITH FRONT OF CAR3 TRAV SE & SWERVES AGAIN COLLIDING WITH REAR OF CAR4 INFRONT OF CAR2

Vehicles

1 Car	Going ahead other	No skid	Negative	SE to NW	Male Age 25
2 Car	Stopping	No skid	Negative	SE to NW	Male Age 32
3 Car	Going ahead other	No skid	Negative	NW to SE	Male Age 39
4 Car	Waiting to go ahead but held up	No skid	Negative	SE to NW	Male Age 66

Casualties

1 Driver or Rider	Slight	Vehicle no.1	Male 25
2 Driver or Rider	Slight	Vehicle no.2	Male 32
3 Driver or Rider	Slight	Vehicle no.3	Male 39

Reference Number	1	2	3	4	5	6	7	8
Date / Day	Mo29	Tu25	Tu15	Su02	Fr12	Su23	Su30	Mo09
Month	Jan	Mar	Apr	Nov	Jun	Aug	Jan	May
Year	2007	2008	2008	2008	2009	2009	2011	2011
Time	1710	1505	1100	1300	2120	1440	1340	0648
Severity	SI	SI	SI	SI	Se	SI	SI	SI
Dark / Lit								
Weather Conditions								
Road Surface								
Special Conditions								
Carriageway Hazards								
Vehicle Manoeuvres								
Vehicle 1								
Vehicle 2								
Vehicle 3								
Vehicle 4								
Casualty /age								
Failed to Give-Way								
Signal Ignored								
Loss of Control								
Hit Object <u>IN</u> C'way								
Hit Object <u>OFF</u> C'way								
Vehicle Left C'way	N			N				
Breath Test								
Contributory Factors	1/2							
	3/4							
* possible, ** very likely	5/6							
School No./Ref.								
User fields:	1	X	X	X	X	X	X	X
	2	X	X			X		
	3		X					
	4							

Vehicles						
1 Car	Going ahead other	No skid	Negative	SE to NW	Male Age 31	
2 Car	Waiting to go ahead but held up	No skid	Negative	SE to NW	Male Age 65	
3 Car	Waiting to go ahead but held up	No skid	Negative	SE to NW	Male Age 30	

Casualties			
1 Passenger	Slight	Vehicle no.1	Female 31
2 Driver or Rider	Slight	Vehicle no.2	Male 65
3 Passenger	Slight	Vehicle no.2	Female 61

Accident Reference: 110190660 Slight A3057 SOUTHAMPTON RD JW HOE LANE ASHFIELD Accident # of 8

Monday 04/05/2013 06:48 Grid Coords 436759/118890 Daylight Daylight
 Surface Dry Weather Fine without high winds

Contributory Factors

- 404 Failed to judge other person's path/speed (Driver/Rider - Error)
- 307 Travelling too fast for conditions (Driver/Rider - Injudicious)
- 402 Careless/Reckless (Driver/Rider - Behaviour)

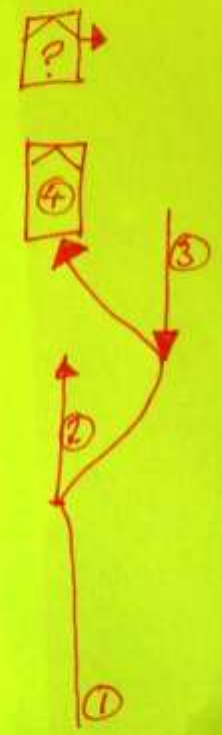
Participant	Confidence	Did a police officer attend?
Vehicle 001	Very likely	Yes
Vehicle 001	Possible	
Vehicle 001	Very likely	

Accident Description

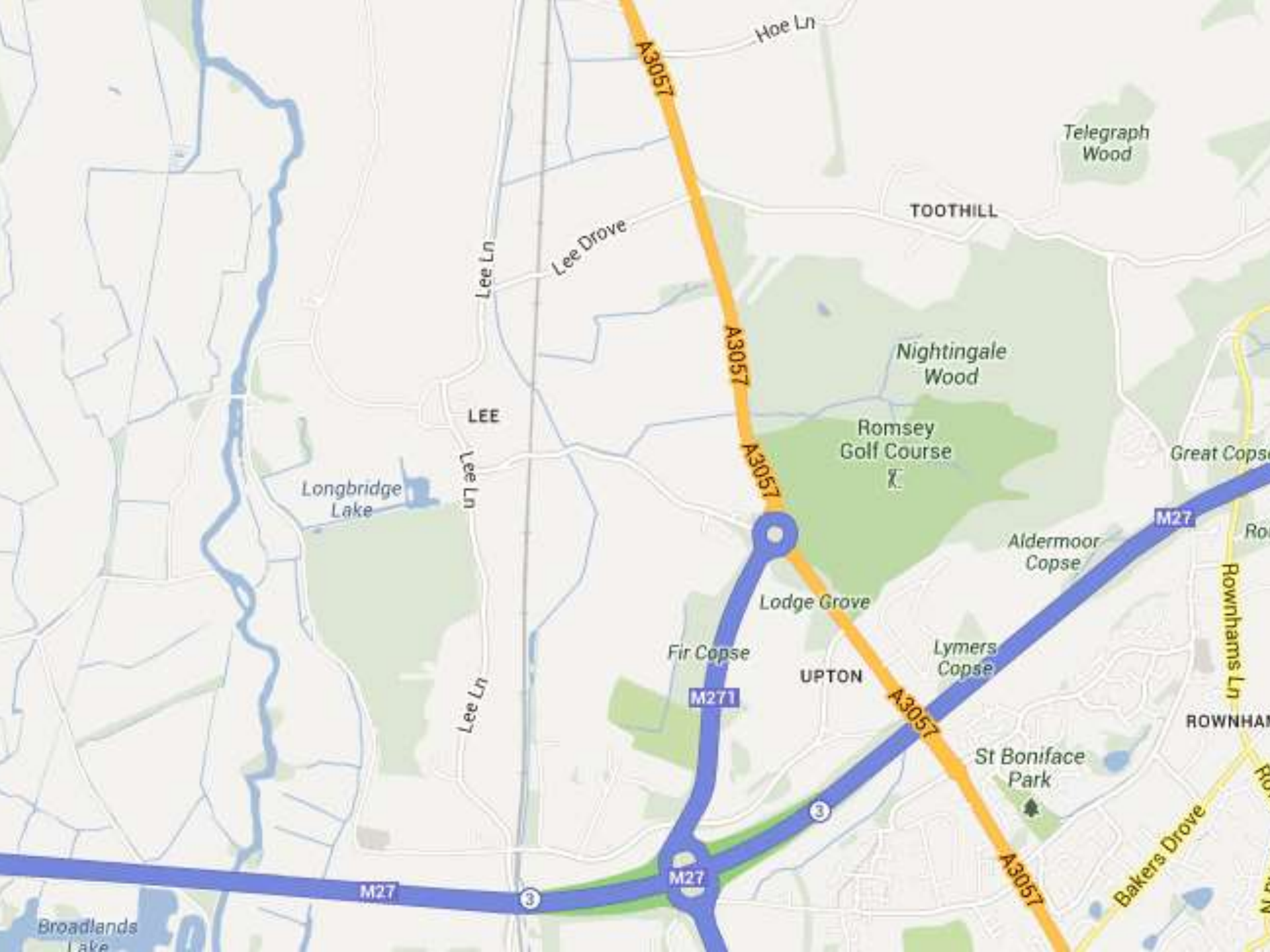
CAR1 TRAV NW A3057 SOUTHAMPTON RD FAILS TO BRAKE COLLIDES INTO REAR CAR2 CAR1 SWERVES & COLLIDES WITH FRONT OF CAR3 TRAV SE & SWERVES AGAIN COLLIDING WITH REAR OF CAR4 IN FRONT OF CAR2

Vehicles						
1 Car	Going ahead other	No skid	Negative	SE to NW	Male Age 25	
2 Car	Stopping	No skid	Negative	SE to NW	Male Age 32	
3 Car	Going ahead other	No skid	Negative	NW to SE	Male Age 39	
4 Car	Waiting to go ahead but held up	No skid	Negative	SE to NW	Male Age 66	

Casualties			
1 Driver or Rider	Slight	Vehicle no.1	Male 25
2 Driver or Rider	Slight	Vehicle no.2	Male 32
3 Driver or Rider	Slight	Vehicle no.3	Male 39



Reference Number	1	2	3	4	5	6	7	8
Date / Day	Mo29	Tu25	Tu15	Su02	Fr12	Su23	Su30	Mo09
Month	Jan	Mar	Apr	Nov	Jun	Aug	Jan	May
Year	2007	2008	2008	2008	2009	2009	2011	2011
Time	1710	1505	1100	1300	2120	1440	1340	0648
Severity	SI	SI	SI	SI	Se	SI	SI	SI
Dark / Lit								
Weather Conditions								
Road Surface								
Special Conditions								
Carriageway Hazards								
Vehicle Manoeuvres								
Vehicle 1								
Vehicle 2								
Vehicle 3								
Vehicle 4								
Casualty /age								
Failed to Give-Way								
Signal Ignored								
Loss of Control								
Hit Object <u>IN</u> C'way								
Hit Object <u>OFF</u> C'way								
Vehicle Left C'way	N			N				
Breath Test								
Contributory Factors	1/2							
	3/4							
* possible, ** very likely	5/6							
School No./Ref.								
User fields:	1	X	X	X	X	X	X	X
	2	X	X			X		
	3		X					
	4							



Hoe Ln

A3057

Telegraph Wood

TOOTHILL

Lee Drove

Lee Ln

Nightingale Wood

Romsey Golf Course

Great Copse

Longbridge Lake

LEE

Lee Ln

M27

Aldermoor Copse

Lodge Grove

Fir Copse

UPTON

Lymers Copse

Rowhams Ln

M271

A3057

ROWNHAM

St Boniface Park

Broadlands Lake

M27

3

M27

3

A3057

Bakers Drove



SLOW



SLOW







Home Insert Page Layout Formulas Data Review View Add-Ins

Clipboard Font Alignment Number Styles Cells Editing

B10 15

Chi Squared Test

Used to determine whether the number of accidents of a particular type is "significantly" higher than at similar sites
 Or to determine whether there has been a "significant" change in the number of accidents at a site after treatment has been carried out.

Input figures in yellow cells

Before/After Test

Comparative Test

	Site	Control	Totals
Before	15	190	205
After	5	190	195
Totals	20	380	400

	Site	Control	Totals
Dark	9	442	451
Light	12	192	204
Totals	21	634	655

1700 3248.5
 2890000 10552752
 1156000000 6.91E+09

Chi squared = 3.81

Chi squared = 5.64

If Chi sq > 2.71 - result is significant at 10%
 If Chi sq > 3.84 - result is significant at 5%
 If Chi sq > 6.635 - result is significant at 1%
 If Chi sq > 10.83 - result is significant at 0.1%

Significance Levels		
Significance Level	Confidence Level	Subjective Interpretation
1%	99%	Highly Acceptable
5%	95%	Acceptable
10%	90%	Fair



Wanwick University Science Park
 Sir William Lyons Road
 Coventry
 CV4 7EZ



Thank You