

Land at Elmstead Market

Technical Note: Highways and Accessibility

April 2013

For Knight Development Ltd

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# **DOCUMENT REVIEW SHEET:-**

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# **Document Status**

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# 1.0 Introduction

- 1.1.1 This Technical Note has been prepared on behalf of Knight Developments Ltd, in respect of a residential development at land at Elmstead Market, Essex.
- 1.1.2 The site is being considered for potential residential development of approximately 20 dwellings and a community hall with open space and allotments. This Technical Note provides an assessment of the site in terms of highways and accessibility. The site is located to the north of the village on Elmstead Market on the western side of Church Road. A site location plan is contained in **Figure 1**.
- 1.1.3 In addition to housing, it is proposed to set aside land to provide a new football pitch adjacent to the existing cricket pitch to create a large recreational area. It is also planned to provide an area for a Community Centre with associated car parking. An indicative layout is contained in **Appendix A**.

#### 1.2 Site Location

1.2.1 The site is currently agricultural land located on the northern outskirts of the village of Elmstead Market, bound by further agricultural land to the north. To the west, Elmstead Primary School borders the site, with the Vicarage and public open space bordering the southern edge of the site. Church Road forms the western boundary.

## 1.3 Background and Planning History

- 1.3.1 The intention is to provide a mix of housing types including smaller properties as well as large family housing. The village has been identified through the Core Strategy to support approximately 40 new dwellings.
- 1.3.2 An initial meeting with the Parish Council to discuss the the opportunity for development in Elmstead Market took place in October 2011. The Parish Council identified an aspiration for a new Community Centre and raised some concerns relating to the highway network though the village, particularly at the junction of Church Road / A133 / School Road and in relation to vehicle speeds and road safety. This Technical Note therefore includes a review of the Personal injury Accidents (PIAs) recorded at this junction and a traffic survey of the vehicle turning movements.
- 1.3.3 Further to this, a public consultation was carried out on 13 December 2012 and comments received reflected the advice from the Parish Council. A number of local residents were concerned at the queuing traffic on Church Road approaching the junction and that more cars would simply be unacceptable.
- 1.3.4 Access is to be taken from Church Road in the form of a priority T junction. The site has full frontage along Church Road so the required visibility standards can be achieved. A meeting was held with Martin Mason of Essex County Council on the 18<sup>th</sup> May 2012.

Martin Mason accepted the principle of access from Church Road in line with the scale of development proposed.

- 1.3.5 Pedestrian access is proposed from Church Road, with the potential to provide an additional pedestrian link to the south-west of the site to provide good connections to the existing village amenities and in particular Elmstead Primary School. A link is also proposed to the existing Public Footpath Number 7 which currently runs along the northern boundary of the site. Church Road currently operates as an informal shared pedestrian/carriageway at the location of the site as there are no formal footways north of property number 41. It is considered that given the scale of the proposed development and the low traffic flow passed the site that the provision of a formal pedestrian footway along the site frontage is not required.
- 1.3.6 Opposite the south east corner of the site is a newly constructed residential development comprising six high quality large dwellings which takes access directly from Church Road at a priority T junction. The application was submitted twice to Tendring for consideration and gained approval in June 2006 (planning reference 06/0760/FUL). The highway authority had no objection to the proposal. Whilst it was not a requirement of the development to provide a footway in front of the site, ECC requested that land should be made available to allow a 1.8m footway to be constructed at a later date. It would appear that a strip of verge has been left available but not at 1.8m wide having been resurfaced as part of the carriageway. To date the footway has not been formalised. This is considered to reflect that the quiet nature of the road in this area and that the shared use of the carriageway operates effectively.

# 2.0 Existing Conditions

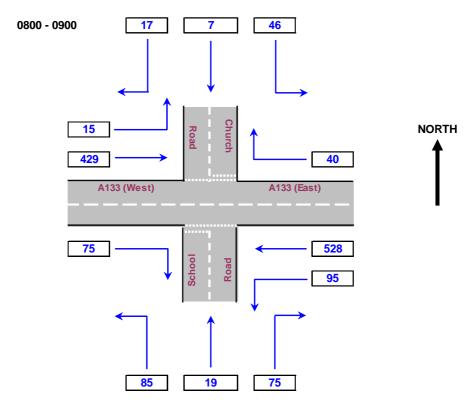
### 2.1 Site Location and Surrounding Highway Network

- 2.1.1 A field access to the south east corner currently provides access into the site. There are no hedgerows and vegetation present along the site frontage so visibility along the site frontage is good.
- 2.1.2 To the north of the site Church Road provides access to Elmstead Parish Church and some agricultural farm holdings only. Church Road beyond the Church is onerous and narrow and requires routing through gated/private farmland. It is therefore considered that traffic using this route is negligible.
- 2.1.3 Church Road is currently subject to a 30mph speed limit however given the existing narrow highway width adjacent to the site it is anticipated vehicle speeds are lower.
- 2.1.4 The village is developed around the strategic route of A133 Colchester Road, which runs in an east to west direction through the centre of the village. Church Road meets Colchester Road at a four arm staggered cross road with School Road forming the fourth arm. Church Road is the main north to south road through the village to serve the residential area and the parish church to the north. There are some 29 properties along Church Road taking direct access, before Holly Way. Holly Way meets Church Road at priority T junction and is a feeder road serving the residential area to the west of the village. A second point of access to this residential area is provided from the A133 further west of the Church Road junction.
- 2.1.5 There are approximately 280 properties in the residential area being served from these two points of access. However given the highway network within the residential area it is likely approximately 120 dwellings will use the Holly Way / Church Road junction.
- 2.1.6 To the north of Holly Way, Church Road provides access to approximately 22 properties, all with frontage access and off road parking, the cricket ground, bowls club, the church and farmland.
- 2.1.7 There is a 30mph speed limit throughout the village of Elmstead Market, with gateway features at the village perimeters on the A133.

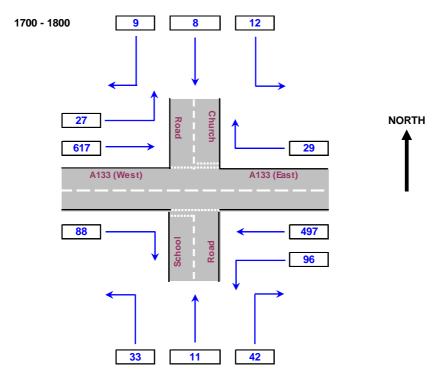
### 2.2 Traffic Flows

2.2.1 A traffic count was undertaken at the junction of Church Road / A133 to establish the vehicle movements through the village and at the junction. The survey data is contained in Appendix B. This count was undertaken on Wednesday 20th March 2013 between the hours 0700 and 1900. The survey included a queue length survey on the Church Road approach to the junction. The results of the junction turning count are presented below. The maximum queue recorded over the 12 hour count period on Church Road was 3 vehicles. The three vehicle queue occurred between 08:00 and 09:00, 13:30 and 14:00 and at 17:00. A queue is

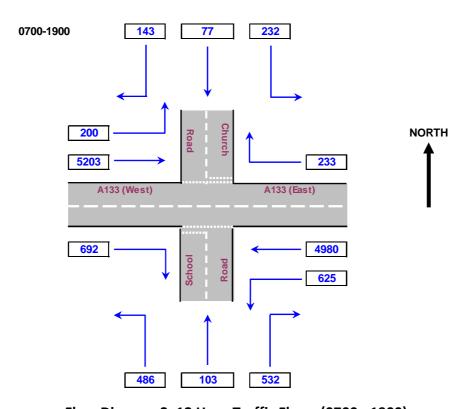
defined as a line of more than 1 vehicle that is either stationary or moving up to 4 mph and does not include vehicles "rolling" up to vehicles at the back. Queues were recorded as the maximum queue observed in each 15 minute period over the 12 hour survey period. A review of the video survey shows that the delay to drivers waiting to exit from Church Road is minimal and that drivers waited no more than 24 seconds when there was a queue of three vehicles.



Flow Diagram 1: AM Peak Hour Traffic Flows (0800 - 0900)



Flow Diagram 2: PM Peak Hour Traffic Flows (1700-1800)



Flow Diagram 3: 12 Hour Traffic Flows (0700 - 1900)

2.2.2 The traffic count data shows that the majority of traffic turns left from Church Road onto the A133 East (66% in the AM peak), 24% of traffic turned right onto the A133 West and 10%

travelled straight ahead into School Road. The two way peak hours flows through the junction are in the region of 1,000 vehicles.

#### 2.3 Public Transport

2.3.1 Elmstead Market is served by public transport which operates along Colchester Road (A133). There are bus stops located on Colchester Road (A133) outside the Kings Arms Public House at the junction with Church Road. These bus stops are located approximately 600m walking distance from the site. Routes 76 and 77 provide an hourly service to/from Colchester and to/from Great Bentley and Clacton. The eastbound bus stop includes a recently constructed bus shelter with seating and timetable information. The westbound bus stop consists of a simple flag with timetable information.

#### 2.4 Pedestrian Access

2.4.1 The IHT Guidelines provide the following distances for consideration as a guide in assessing the connectivity to public transport services and local amenities by walking.

IHT Guidelines	Distar	nce
mir Galdelinies	Commuting, Walking to School and Recreational	Other Non-Commuter Journeys
Desirable	500m	400m
Acceptable	1,000m	800m
Considered	2,000m	1,200m

Source: IHT 'Guidelines for Providing for Journeys on Foot' (2000)

**Table 2.1: IHT Walk Journey Times** 

2.4.2 At a distance of 600m from the site, the pedestrian route to the bus stops is direct and would take approximately 8 minutes (based on a walk speed of 80m per minute). It is therefore considered acceptable although outside the desirable 400m. There is an existing pelican crossing on Colchester Road to provide safe access to the westbound bus stop.

## 2.5 Footway Provision

- 2.5.1 There is existing footway provision on the eastern side of Church Road from The Green (at the junction with the A133) to number 41 Church Road, as shown on **Figure 2**. From number 41 Church Road northwards there is grass verge on both sides that is within the highway boundary however it is narrow to the western side along the cricket ground edge. At present, Church Road past No 41 operates as an informal shared use footway/carriageway. Pedestrians (mainly dog walkers) and vehicles share the carriageway and are considerate of one another.
- 2.5.2 There is no evidence of an issue with on-street parking which could cause obstructions to Church Road given that most properties have provision for off-street parking.

- 2.5.3 The site adjoins the Primary School and there is potential to provide a direct link into the school.
- 2.5.4 There are existing public footpaths to the north of the site (PFP7) and to the south of the site (PFP8) as shown on **Figure 2** A link to PFP7 is shown on the masterplan (please see **Appendix A**).

#### 2.6 Personal Injury Accident Review

2.6.1 Personal Injury Accident (PIA) data has been provided by Essex County Council (ECC) covering a five year period from 1<sup>st</sup> March 2007 to 29<sup>th</sup> February 2012. The study area covered the village of Elmstead Market, along the A133 to Tye Road to the west and Bromley Road signal controlled junction to the east. The accident data and plot is contained in **Appendix C**.

#### **Summary of Accidents**

2.6.2 The table below summarises the PIAs recorded within the study area by severity and year.

Year	Slight	Serious	Fatal	Annual Total
2007	1	2	0	3
(From March				
onwards)				
2008	1	0	0	1
2009	0	0	0	0
2010	3	2	0	5
2011	0	0	0	0
2012	0	0	0	0
(Jan & Feb only)				
Injury Severity Total	5	4	0	9

Table2.2: Summary of accidents by year and severity

#### **Accidents by Location**

#### The Beth Chatto Gardens to Bromley Road junction

- 2.3.3 In this section of highway there have been three PIAs recorded, two slight and one serious. The serious accident involved a vehicle travelling away from Elmstead Market towards Frating. The driver lost control of the vehicle and it left the carriageway. This was most likely the result of driver error as no other road users or contributory factors were recorded.
- 2.6.4 The first of the slight injury accidents occurred in icy conditions, when a vehicle lost control travelling in a south to north direction. Contributing factors include the slippery road surface due to the weather and the road layout (downhill bend).
- 2.6.5 The second slight accident was the result of a driver colliding with the rear of a parked vehicle. The accident data reports likely driver error (failed to look properly).

### Gt Bromley signal controlled junction

2.6.6 Two accidents have been recorded at the junction. The first occurred when a vehicle turned right into Bromley Road from Colchester Road crossed the path of another vehicle travelling in the opposite direction. The second was the result of a rear shunt where a right turning vehicle waiting to turn into Bromley Road was hit from the rear by a second vehicle. The road conditions were noted as slippery due to the weather.

#### Church Road/Colchester Road junction

- 2.6.7 The next cluster of accidents is at the Church Road/Colchester Road/School Road crossroads where two PIAs were recorded during the five year period. Both resulted in serious injury.
- 2.6.8 In 2007 a vehicle pulling out of Church Road turning left collided with the side of a second vehicle travelling along the A133 towards Colchester. Contribution factors included in the report were "failed to judge other persons path or speed" and "failed to signal/misleading signal". This suggests that the vehicle on the mainline A133 was perhaps signalling to turn into Church Road and therefore the driver exiting Church Road thought it safe to do so. The report does not suggest that the highway layout was a contributing factor.
- 2.6.9 The second accident was in 2010. It involved one vehicle which lost control when approaching the junction. The weather conditions were icy and the accident report queries the approach speed.
- 2.6.10 It is known from initial discussion with ECC that highway improvements in the past have been carried out. These were likely as a result of highway safety with the introduction of anti-skid surfacing and the white lining to redefine the edge of carriageway. The anti-skid surfacing is much worn and therefore the works are unlikely to have been in recent years or maintained. It should be noted that no PIAs were recorded in 2011 or within the two months of data available for 2012.

#### The Colchester Road/Oatlands

2.6.11 The final two PIAs were recorded on Colchester Road just west of the junction with Oatlands. In both incidences the driver was impaired by alcohol. The first PIA involved a collision between an HGV and a pedal cyclist. The cyclist sustained serious injury. The second PIA involved a collision between two vehicles.

#### Summary PIA data

2.6.12 A review of the PIA data suggests that driver error is the primary contributory factor to the accidents recorded in the study area. There is no existing evidence of road safety issues as a result of the layout and design of the highway.

#### 2.7 Summary

- 2.7.1 There are concerns by the locals regarding the safety of the highway network through the village. The Church Road/Colchester Road junction has been mentioned on several occasions by local representatives. The accident record over the last five years is not conclusive and wouldn't warrant a need for highway improvements to be considered by ECC which is the likely reason that the pedestrian crossing requested by the locals has not been realised.
- 2.7.2 The next section of the report considers improvements to the junction of Church Road/A133/ Station Road which could be provided by the development and improve the junction relative to the concerns of locals, particularly with relation to speed and pedestrians crossing

# 3.0 Development Proposals

#### 3.1 Overview

3.1.1 It is proposed to provide around 20 residential dwellings on the site in an arch shape around a football pitch/ recreational area. It is also proposed to provide an area for a Community Centre with associated car parking. An indicative layout is contained in **Appendix A**.

#### 3.2 Site Access

- 3.2.1 Access is to be taken from Church Road in the form of a priority T junction. The site has full frontage along Church Road so the required visibility standards can be achieved. A meeting was held with Martin Mason of Essex County Council on the 18<sup>th</sup> May 2012. Martin Mason accepted the principle of an access from Church Road for the scale of development proposed.
- 3.2.2 Church Road is subject to 30mph speed limit. The required visibility splays of 2.4m x 43m for a 30mph speed limit are achievable from the proposed site access in both directions.

#### 3.3 Vehicular Trip Generation and Distribution

- 3.3.1 It is considered that the proposals will add very little to existing peak period traffic, especially given the proximity to the school. For the sake of robustness, we have considered a development of 25 dwellings for the following analysis, which is slightly more than the number actually proposed. 25 dwellings would give rise to approximately 15 vehicle trips in the morning peak. It is considered that traffic will distribute in accordance with the movements recorded by the traffic survey. This would equate to an additional 10 vehicles turning right, 2 travelling straight ahead and 3 turning left at the junction of Church Road /A133/ School Road in the AM Peak. It is considered that this will not be of detriment to the operation of the junction which was recorded to have a maximum queue of just three vehicles throughout the 12 hour traffic survey period. This is also considered to be the maximum peak impact of traffic from the development as some traffic will route through the residential area and exit the village at the western end via Oaklands.
- 3.3.2 This development has the potential therefore to make practical enhancements both to the operation and appearance of the junction of Church Road /A133/ School Road (through the suggested enhancements outlined in detail below) without adversely impacting on the road network.

#### 3.4 Parking Standards

3.4.1 Parking will be provided in accordance with Essex County Council Parking Standards: Design and Good Practice (September 2009). The parking standards relevant to the site are summarised in the table below.

Use	Vehicle (minimum)	Cycle (minimum)	PTW (minimum)	Disabled (Minimum)
1 bedroom	1 space per dwelling	1 secure covered space per dwelling		
2 + bedrooms	2 spaces per dwelling (excluding garage if less than 7m x 3m internal dimension)	None if garage or secure area is provided within cartilage of dwelling	N/A	N/A it parking is in cartilage of dwelling. Otherwise as Visitor/unallocated.
Community Centre  (Art Galleries, Museum, Public/Exhibition Hall)	1 space per 25 sqm	1 space per 4 staff plus visited parking (individual merits)	1 space, + 1 per 20 car spaces	3 bays or 6% of total capacity, whichever is greater.

Table 3.1: Essex County Council Car Parking Standards (September 2009)

## 3.5 Pedestrian Accessibility

- 3.5.1 Pedestrian access is proposed from Church Road, with the potential to provide an additional pedestrian link to the south-west of the site to provide good connections into the village, in particular Elmstead Primary School. A link is also proposed through the site to the existing Public Footpath Number 7 which currently runs along the northern boundary of the site.
- 3.5.2 At the location of the site frontage, Church Roads operates as an informal shared use footway/carriageway. It is considered that the proposals will be designed in keeping with the character of the existing highway and therefore it is considered an additional footway provision is not required. It is understood that the residential development on the other side of Church Road was required to allocate sufficient room (a 1.8m strip) to provide a footpath if it was deemed necessary but to date it has not been required. There is a grass verge on either side of the road should a pedestrian need to step off the carriageway. Through traffic along the northern section of Church Road passed the site is negligible as the there are limited onwards routes. It is therefore considered that the characteristics of the road are suitable for shared use. However, were it considered necessary, a footway could be created using the strip of frontage previously identified for that purpose, but in our opinion, for the reasons given above, this is not necessary.

### 3.6 Church Road/A133/Colchester Road Junction Enhancements

3.6.1 It is understood that there are concerns locally regarding the safety of the highway network through the village in particular at the junction of Church Road/Colchester Road. The review of the accidents data does not suggest that there is a specific highway safety issues at the junction. It is understood that the junction has been the subject of a safety scheme in the past. CCE requested more details from ECC regarding the history of the junction. In response to our enquiry, ECC comments as follows:

"As promised, I have consulted our road safety team who have advised that they are not aware of any proposals for the A133/School Road/Church Road junction. There has only been one recorded injury collision there in the last three years, which occurred in icy conditions, therefore we have nothing currently planned for this junction.

The approaches to the junction have had anti-skid applied at some stage in the past, so it may well have been a safety scheme at some stage in the past, probably pre 2007 as we can't find any record of a safety scheme on our monitoring system."

- 3.6.2 It is understood from discussion with the Parish Council that they would like to see improvements to the junction including a pedestrian crossing. The accident record over the last five years wouldn't warrant a need for highway improvements to be considered by ECC. However, it is felt the residential development at Church Road could offer potential to make practical enhancements both to the operation and appearance of the junction of Church Road/Colchester Road/School Road.
- 3.6.3 The existing Colchester Road/Church Road crossroad junction is at a key location within Elmstead Market, with the village Green, public house and other local amenities in close proximity at this focal point of the village. The current junction layout forms a very wide carriageway with the junction defined by white lining. This gives the impression of the highway being wider then it should be and thus making it appear to be very car dominant. Pedestrians wishing to travel from one side of the road to the other have a large width of road to cross. Given the location of the junction as a key focal point to the village it is considered that improvements could be made to make the junction less highway dominant, enhance the appearance of the junction, enhance public transport facilities and reduce the potential for vehicle conflicts by rationalising the junction arrangements and reducing the extent of superfluous tarmac.
- 3.6.4 An initial scheme was consulted on by both the Parish Council and ECC as Highway Authority. The proposals were received well and it was considered that the measures would reduce the road dominate appearance of the area, encourage considerate driver behaviour and reinforce reduced speeds. Following consultation with ECC a few amendments were made to the original scheme (the original scheme Drawing J621/002 is contained in Appendix D). The amended scheme proposals are outlined in Drawing J621/003.

#### 3.6.5 The enhancements include:-

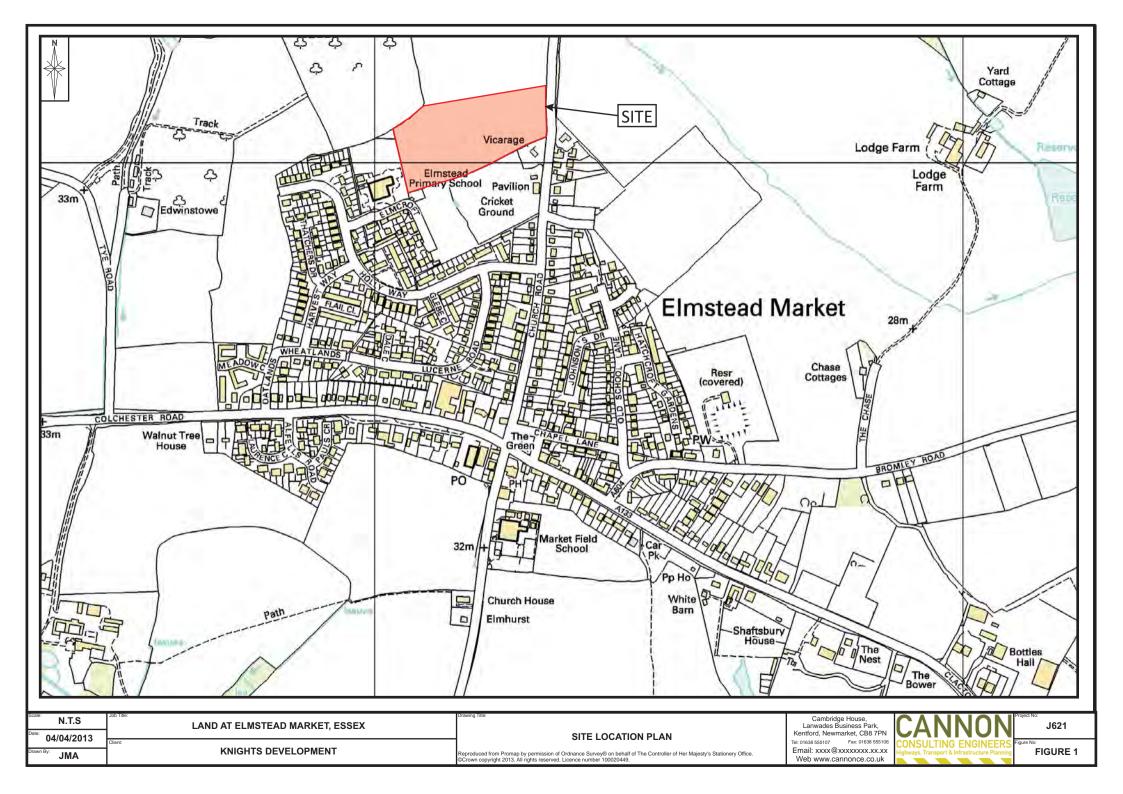
- Kerbing to replace current white lining to the edge of carriageway assisting reduced vehicle speeds,
- Increase 'legibility' adding kerbing will help to achieve a more familiar junction arrangement and thus reduce the risk of driver confusion.
- Reduce potential conflicts and obstructions formalising the junction arrangements will
  help remove possible conflicts, and create clear sight lines without obstructions (e.g.
  parking on the highway outside of the pub).
- Pedestrian safety the width of carriageway to be crossed will be reduced.
- Reduce hard surfacing a reduction in hard surfacing areas in favour of grass verges to
  more in keeping with the character of and quality of Colchester Road elsewhere in the
  village.
- Create a less traffic/highway dominant presence at the Village Green.
- Provide improved 'accessibility kerbing' at bus stops to improve the bus accessibility for all users.
- Provide an additional bus shelter on the southern side of A133.
- Facilitate Real Time Information (RTI) at both the existing and proposed but shelters.
- 3.6.6 It is considered that the above enhancements would formalise the existing arrangement, reinforce the required care and attention needed by drivers and help maintain the existing good safety record. Narrowing the carriageway will encourage lower vehicle speeds which is one of the main concerns of local residents.

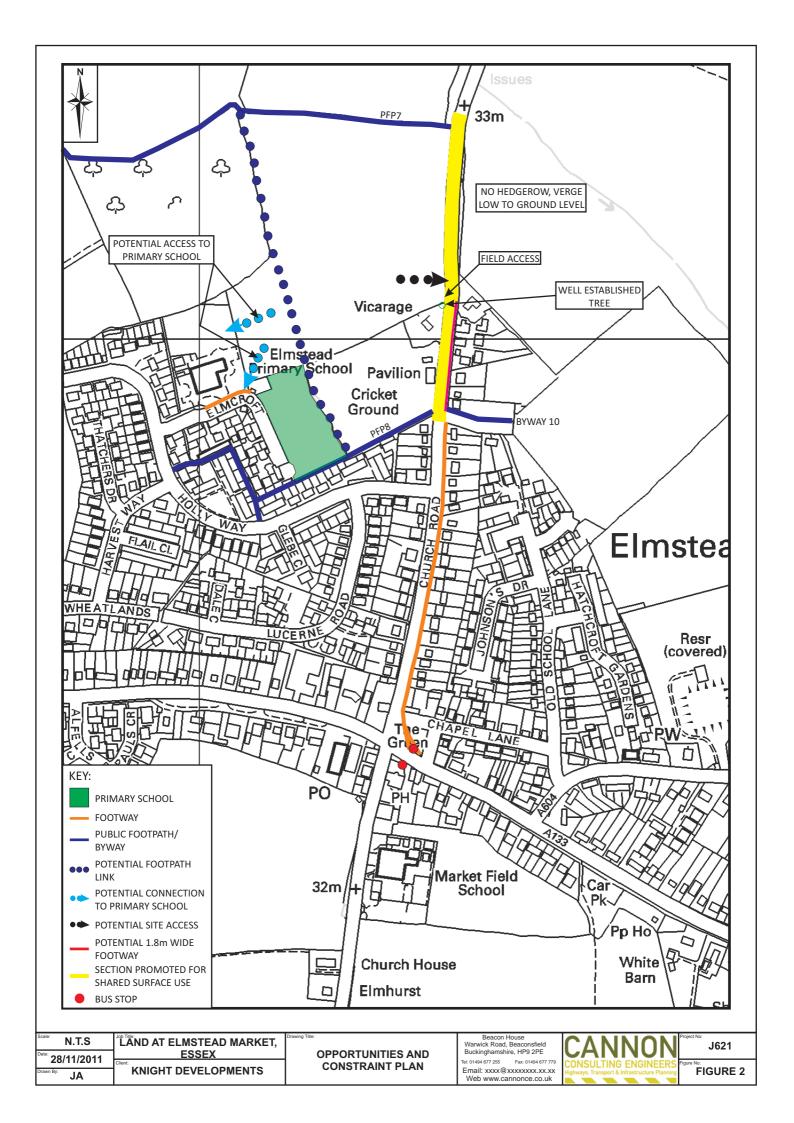
# 4.0 Conclusions

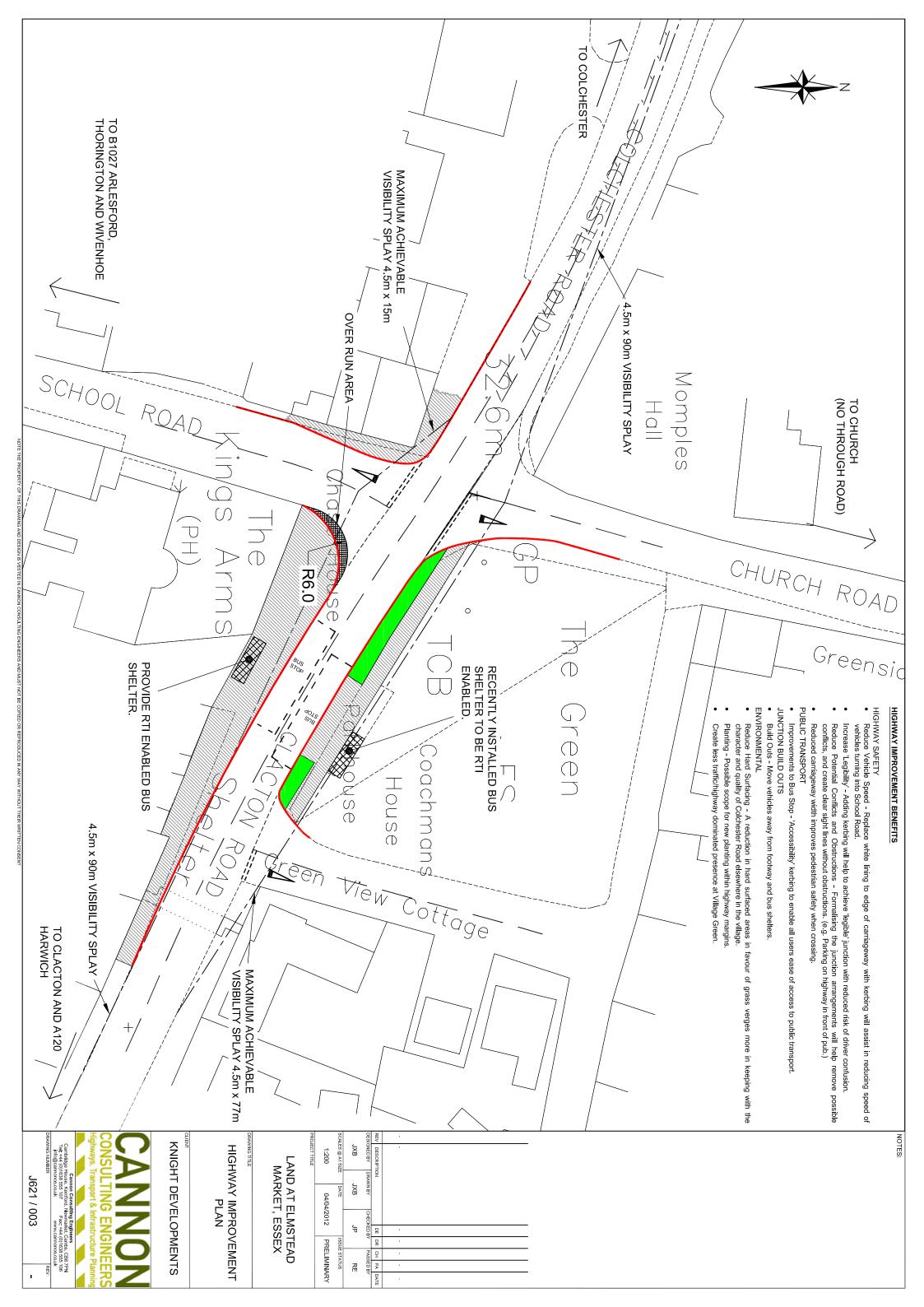
## 4.1 Summary & Conclusion

- 4.1.1 The site location is on the northern outskirts of the village however there are still good connections to the immediate local facilities such as the primary school, public open space and leisure facilities.
- 4.1.2 Access to the site is easily achieved given the available site frontage and land available to provide the required visibility splays of 2.4m x 43m for a 30mph speed limit.
- 4.1.3 The distance to The Green, where connection to the public transport service is available, is considered acceptable at 600m under IHT guidelines albeit over 400m which is normally desirable.
- 4.1.4 The opportunity of improving the footway provision along Church Road may have been retained by ECC under application 06/0760. There is correspondence to intimate there was a desire to have land made available for a footway across the site frontage at the new development, however this does not appear to have been implemented. It is considered that this reflects the successful informal operation of Church Road as shared footway/carriageway. Whilst a footway could be created, there is no need to do so.
- 4.1.5 Footway links will be provided within the masterplan to link in with the existing public footpath network (namely PFP7 to the north of the site). An additional link may be provided to the south-west of the site to Elmstead Primary School subject to third party land.
- 4.1.6 Consideration has been given to potential improvements at the junction of Church Road / A133 /School Road. Consultation with ECC and a review of the PIA data for this junction has confirmed the junction has a good accident record over the past five years. It is reported that only one accident has occurred in the past three years and this occurred in icy conditions.
- 4.1.7 It is considered that junctions enhancements could be made to reduce the highway dominance of the junction by reducing the carriageway and kerbing the edges. This in turn would formalise the junction arrangement, reducing the likelihood for driver confusion and encourage reduced vehicle speeds. Pedestrian facilities can also be improved with increased footway provision at the junction and a reduced carriageway width to cross. A new bus shelter on the southern side of the A133 could also be provided and this, along with the existing bus stop could be RTI enabled.

**Figures and Drawings** 

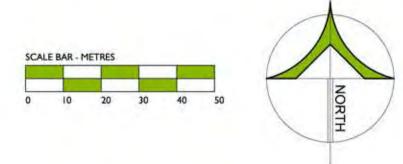






# **Appendices**

# Appendix A





# Appendix B

# Elmstead Market maximum queue length survey, Wednesday 20th March 2013

Time	Church Road
07:15	1
07:30	2
07:45	2
08:00	3
08:15	2
08:30	3
08:45	3
09:00	3
09:15	2
09:30	1
09:45	1
10:00	1
10:15	2
10:30	1
10:45	1

Time	Church Road
11:00	1
11:15	2
11:30	1
11:45	2
12:00	1
12:15	1
12:30	1
12:45	2
13:00	1
13:15	2
13:30	3
13:45	1
14:00	3
14:15	2
14:30	1
14:45	2

Time	Church Road
15:00	2
15:15	1
15:30	3
15:45	1
16:00	1
16:15	2
16:30	2
16:45	2
17:00	3
17:15	2
17:30	2
17:45	1
18:00	1
18:15	1
18:30	1
18:45	2
19:00	1



Junction: (1) Church Road / A133 / School Road

Approach: Church Road

Ī				Left to A	133 (East)							Ahead to S	chool Road				Right to A133 (West)							
TIME	P/CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	P/CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	P/CYCLE M/CYCLE CAR LGV OGV1 OGV2 BUS				BUS	TOTAL		
0700 - 0715	0	0	4	1	0	0	0	5	0	0	1	0	0	0	0	1	0	0	2	1	0	0	0	3
0715 - 0730	0	0	4	0	0	0	0	4	0	0	2	0	0	0	0	2	0	0	2	2	0	0	0	4
0730 - 0745	0	0	2	0	0	0	0	2	0	0	1	2	0	0	1	4	0	0	6	0	0	0	0	6
0745 - 0800	0	0	11	2	0	0	0	13	0	0	2	0	0	0	0	2	1	0	2	1	0	0	0	4
Hourly Total	0	0	21	3	0	0	0	24	0	0	6	2	0	0	1	9	1	0	12	4	0	0	0	17
0800 - 0815	0	0	4	2	0	0	0	6	0	0	0	0	0	0	1	1	0	0	5	2	0	0	0	7
0815 - 0830	0	0	11	2	0	0	0	13	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0
0830 - 0845	0	0	13	0	0	0	0	13	0	0	0	1	0	0	0	1	0	0	3	0	0	0	0	3
0845 - 0900	0	0	12	2	0	0	0	14	0	0	3	0	0	0	0	3	0	0	7	0 <b>2</b>	0	0	0	7
Hourly Total	0	0	40	6	0	0		46 5	-	-	5 1	•	0	0	1	2	_	0	15 4		0	0	_	17 4
0900 - 0915 0915 - 0930	0	0	<u>5</u> 1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
0930 - 0945	0	0	3	0	0	0	0	3	0	0	1	0	0	0	0	1	0	0	3	0	0	0	0	3
0945 - 1000	0	0	4	1	0	0	0	5	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
Hourly Total	0	0	13	1	0	0	0	14	0	0	2	1	0	0	0	3	0	0	11	1	0	0	0	12
1000 - 1015	0	0	3	0	0	0	0	3	0	0	0	1	0	0	0	1	0	0	1	1	0	0	0	2
1015 - 1030	0	0	3	0	0	0	0	3	0	0	2	0	0	0	0	2	0	0	4	0	0	0	0	4
1030 - 1045	0	0	2	0	0	0	0	2	0	0	2	1	0	0	0	3	0	0	2	0	0	0	0	2
1045 - 1100	0	0	1	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	4	0	0	0	0	4
Hourly Total	0	0	9	0	0	0	0	9	0	0	5	2	0	0	0	7	0	0	11	1	0	0	0	12
1100 - 1115	0	0	1	0	0	0	0	1	0	0	1	0	0	0	0	1	1	0	3	1	0	0	0	5
1115 - 1130	0	0	4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
1130 - 1145	0	0	9	0	0	0	0	9	0	0	5	1	0	0	0	6	0	0	1	0	0	0	0	1
1145 - 1200	0	0	5	0	0	0	0	5	0	0	1	0	0	0	0	1	0	0	2	0	0	0	0	2
Hourly Total	0	0	19	0	0	0	0	19	0	0	7	1	0	0	0	8	1	0	9	1	0	0	0	11
1200 - 1215	0	0	1	1	0	0	0	2	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
1215 - 1230	0	0	2	0	0	0	0	2	0	0	2	0	0	0	0	2	0	0	4	0	0	0	0	4
1230 - 1245	0	0	6	0	0	1	0	7	0	0	1	0	0	0	0		0	0	3	0	0	0	0	3
1245 - 1300 Hourly Total	0	0	10	0	0	0	0	1 12	0	0	0	0	0	0	0	0	0	0	2 9	0	0	0	0	9
1300 - 1315	0	0	4	0	0	0	0	4	0	0	2	0	0	0	0	2	0	0	1	1	0	0	0	2
1315 - 1330	0	0	4	0	0	0	0	4	0	0	3	0	0	0	0	3	0	0	1	0	0	0	0	1
1330 - 1345	0	0	3	0	0	0	0	3	0	0	1	0	0	0	0	1	0	0	4	0	0	0	0	4
1345 - 1400	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	2	2	0	0	0	5
Hourly Total	0	0	13	0	0	0	0	13	0	0	6	0	0	0	0	6	1	0	8	3	0	0	0	12
1400 - 1415	0	0	5	1	0	0	0	6	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
1415 - 1430	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1430 - 1445	0	0	3	1	0	0	0	4	0	0	0	0	0	0	1	1	0	0	2	0	0	0	0	2
1445 - 1500	0	0	4	1	0	0	0	5	0	0	2	0	0	0	0	2	0	0	2	0	0	0	0	2
Hourly Total	0	0	14	3	0	0	0	17	0	0	2	0	0	0	1	3	0	0	6	0	0	0	0	6
1500 - 1515	0	0	4	0	0	0	0	4	0	0	2	1	0	0	0	3	0	0	4	0	0	0	0	4
1515 - 1530	0	0	21	2	0	0	0	23	0	0	5	0	0	0	0	5	0	0	5	0	0	0	0	5
1530 - 1545	0	0	3	0	0	0	0	3	0	0	<u>0</u>	0	0	0	0	0	0	0	0	2	0	0	0	2
1545 - 1600	0	0	32	0 <b>2</b>	0	0	0	34	0	0	1 8	0	<b>0</b>	0	0	9	0	<b>0</b>	1 <b>0</b>	2	0	0	0	12
1600 - 1615	0	0	6	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	12
1600 - 1615	0	0	3	0	0	0	0	3	0	0	2	0	0	0	0	2	0	0	3	0	0	0	0	3
1630 - 1645	0	0	4	0	0	0	0	4	0	0	0	1	0	0	0	1	0	0	4	2	0	0	0	6
1645 - 1700	0	0	8	1	0	0	0	9	0	0	3	1	0	0	0	4	0	0	4	0	0	0	0	4
Hourly Total	0	0	21	1	0	0	0	22	0	0	5	2	0	0	0	7	0	0	11	3	0	0	0	14
1700 - 1715	0	0	3	0	0	0	0	3	0	0	1	1	0	0	0	2	0	0	2	0	0	0	0	2
1715 - 1730	0	0	7	0	0	0	0	7	0	0	2	0	0	0	0	2	0	0	1	1	0	0	0	2
1730 - 1745	0	0	1	1	0	0	0	2	0	0	2	0	0	0	0	2	0	0	1	0	0	0	0	1
1745 - 1800	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	4	0	0	0	0	4
Hourly Total	0	0	11	1	0	0	0	12	0	0	7	1	0	0	0	8	0	0	8	1	0	0	0	9
1800 - 1815	0	0	2	0	0	0	0	2	0	0	1	0	0	0	0	1	0	0	2	0	0	0	0	2
1815 - 1830	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
1830 - 1845	0	0	5	0	0	0	0	5	0	0	1	0	0	0	0	1	0	0	5	0	0	0	0	5
1845 - 1900	0	1	2	0	0	0	0	3	0	0	4	0	0	0	0	4	0	0	4	0	0	0	0	4
	0	1	9	0	0	0	0	10	0	0	6	0	0	0	0	6	0	0	12	0	0	0	0	12
Hourly Total	U			-		-							U			U		, u			U	U		



Junction: (1) Church Road / A133 / School Road

Approach: A133 (East)

i				Left to Sc	hool Road							Ahead to A	133 (West)	1						Right to Ch	ourch Road			
TIME	P/CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	P/CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	P/CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL
0700 - 0715	0	0	7	2	0	0	0	9	0	2	98	23	3	5	0	131	0	0	2	0	0	0	0	2
0715 - 0730	0	0	4	2	1	0	1	8	0	2	113	28	1	2	6	152	0	0	1	0	0	0	0	1
0730 - 0745	0	0	10	0	0	0	0	10	1	3	124	23	2	1	1	155	0	0	3	0	0	0	0	3
0745 - 0800	0	0	11	1	0	0	0	12	0	2	116	12	3	1	9	143	0	0	2	1	0	0	0	3
Hourly Total	0	0	32	5	1	0	1	39	1	9	451	86	9	9	16	581	0	0	8	1	0	0	0	9
0800 - 0815 0815 - 0830	0	0	13 18	2	0	0	2	14 22	0	1 4	104 115	20 16	3	0	2	132 138	0	0	5 16	0	0	0	0	5 17
0830 - 0845	0	0	25	2	1	0	3	31	0	0	131	14	0	0	1	146	0	0	15	0	0	0	0	15
0845 - 0900	0	0	22	2	0	0	4	28	0	1	99	11	1	0	0	112	0	0	3	0	0	0	0	3
Hourly Total	0	0	78	6	1	0	10	95	2	6	449	61	5	1	4	528	0	0	39	1	0	0	0	40
0900 - 0915	0	0	7	1	1	0	0	9	2	2	91	6	0	0	2	103	0	0	2	0	0	0	0	2
0915 - 0930	0	0	10	1	2	1	0	14	0	0	84	15	2	1	2	104	0	0	0	1	0	0	0	1
0930 - 0945	0	0	10	2	1	0	0	13	0	3	81	20	1	0	2	107	0	0	1	1	0	0	0	2
0945 - 1000	0	0	7	1	0	0	1	9	0	0	83	10	5	0	1	99	0	0	0	0	0	0	0	0
Hourly Total	0	0	34	5	4	1	1	45	2	5	339	51	8	1	7	413	0	0	3	2	0	0	0	5
1000 - 1015	0	0	3	0	2	0	0	5	0	0	81	18	2	1	0	102	0	0	1	1	0	0	0	2
1015 - 1030	0	0	5	2	0	0	0	7	0	1	82	8	2	2	2	97	0	0	0	0	0	0	0	0
1030 - 1045 1045 - 1100	0	0	7 6	0	0	0	0	<u>8</u>	0	0	78 82	15 13	5 1	3	2	102 101	0	0	0	0	0	0	0	5 0
Hourly Total	0	0	21	3	2	0	0	26	0	2	323	13 <b>54</b>	10	3 7	6	402	0	0	<u>5</u>	2	0	0	0	7
1100 - 1115	0	0	11	1	2	0	0	14	1	0	68	15	1	0	1	86	0	0	2	0	0	0	0	2
1115 - 1130	0	0	5	3	1	0	0	9	0	2	68	21	2	2	1	96	0	0	5	0	0	0	0	5
1130 - 1145	0	0	5	0	1	0	0	6	0	0	80	18	2	1	0	101	0	0	3	0	0	0	0	3
1145 - 1200	0	0	3	0	0	0	0	3	0	0	64	15	2	0	1	82	0	0	3	1	0	0	0	4
Hourly Total	0	0	24	4	4	0	0	32	1	2	280	69	7	3	3	365	0	0	13	1	0	0	0	14
1200 - 1215	0	0	2	1	1	0	0	4	0	0	71	13	2	3	0	89	0	0	3	0	0	0	0	3
1215 - 1230	0	0	3	0	0	0	1	4	0	0	62	14	4	1	0	81	0	0	2	2	0	0	0	4
1230 - 1245	0	0	5	2	0	0	0	7	0	0	84	14	1	1	2	102	0	0	5	0	0	0	0	5
1245 - 1300	0	0	7	0	1	0	0	8	0	1	66	14	2	1	5	89	0	0	5	1	0	0	0	6
Hourly Total	0	0	17	3	2	0	1	23	0	1	283	55	9	6	7	361	0	0	15	3	0	0	0	18
1300 - 1315	0	0	9	2	0	0	0	11	0	1	75	11	1	1	1	90	0	0	1	1	0	0	0	3
1315 - 1330 1330 - 1345	0	0	9	2	0	0	0	14 11	0	0	73 83	11 11	2	0	0	86 97	0	0	6	0	0	0	0	6
1345 - 1400	0	0	4	0	2	0	0	6	0	0	61	17	4	1	2	85	0	0	3	0	0	0	0	3
Hourly Total	0	0	33	7	2	0	0	42	0	1	292	50	8	3	4	358	0	0	13	1	0	0	0	14
1400 - 1415	1	0	10	0	0	1	0	12	1	0	63	11	1	0	1	77	0	0	4	4	0	0	0	8
1415 - 1430	0	0	6	1	0	0	0	7	0	0	67	12	2	1	1	83	0	0	2	0	0	0	0	2
1430 - 1445	0	0	8	1	2	0	1	12	0	0	73	11	1	1	1	87	0	0	5	1	0	0	0	6
1445 - 1500	0	0	17	0	0	0	0	17	0	0	80	11	1	1	1	94	0	0	12	0	0	0	0	12
Hourly Total	1	0	41	2	2	1	1	48	1	0	283	45	5	3	4	341	0	0	23	5	0	0	0	28
1500 - 1515	0	0	15	1	0	0	0	16	0	0	71	17	1	1	0	90	0	0	14	1	0	0	0	15
1515 - 1530	0	0	8	3	0	0	2	12	0	0	55	16	5	0	3	79	0	0	5	0	0	0	0	5
1530 - 1545 1545 - 1600	0	0	10 15	2	2	0	2	15 20	0	0	58 77	14 17	0	0	2	76 97	0	0	5 7	0	0	0	0	6 7
Hourly Total	0	0	15 48	8	3	<b>0</b>	4	63	0	0	261	64	7	3	7	342	0	0	31	2	<b>0</b>	0	0	33
1600 - 1615	1	0	9	0	0	0	0	10	1	0	96	16	0	0	0	113	0	0	4	0	0	0	1	5
1615 - 1630	0	0	13	2	0	0	0	15	0	3	91	40	2	1	2	139	0	0	7	1	0	0	0	8
1630 - 1645	0	1	17	6	0	0	0	24	0	0	100	17	0	0	1	118	0	0	3	1	0	0	0	4
1645 - 1700	0	0	19	2	0	0	0	21	0	2	87	11	0	1	0	101	0	0	3	0	0	0	0	3
Hourly Total	11	1	58	10	0	0	0	70	1	5	374	84	2	2	3	471	0	0	17	2	0	0	1	20
1700 - 1715	0	0	19	4	0	1	0	24	1	1	96	17	2	0	0	117	0	0	6	1	0	0	0	7
1715 - 1730	0	0	25	3	0	0	0	28	0	2	97	19	1	0	2	121	0	0	8	0	0	0	0	8
1730 - 1745	0	0	15	2	0	0	0	17	0	0	138	13	1	0	2	154	0	0	4	1	0	0	0	5
1745 - 1800	0	0	17	9	0	1	0	27	0	0	98	4	1	1	11	105	0	0	7	2	0	0	0	9
Hourly Total	0	0	76	18	0	2	0	96	1	3	429	53	5	1	5	497	0	0	25	4	0	0	0	29
1800 - 1815	0	0	20 7	0	0	0	0	20 7	0	1	90	7	0	0	0	98	0	0	4	0	0	0	0	5 4
1815 - 1830 1830 - 1845	0	0	12	2	0	0	0	14	0	0	58 81	10 8	0	0	1	70 90	0	0	4	0	0	0	0	4
1845 - 1900	0	0	4	1	0	0	0	5	1	0	58	4	0	0	0	63	0	0	3	0	0	0	0	3
Hourly Total	0	0	43	3	0	0	0	46	2	1	287	29	0	0	2	321	0	0	15	1	0	0	0	16
																	_					-	-	
TOTAL	2	1	505	74	21	4	18	625	11	35	4051	701	75	39	68	4980	0	0	207	25	0	0	1	233



Junction: (1) Church Road / A133 / School Road

Approach: School Road

3799-9715						133 (West)								hurch Road				Right to A133 (East)							
775-775   0	111111		M/CYCLE		LGV	OGV1	OGV2	BUS	TOTAL			CAR	LGV	OGV1	OGV2	BUS	TOTAL			CAR	LGV	OGV1	OGV2	BUS	TOTAL
9789 0748			0					_					_	-		-	1	_				1	1	-	10
\$Print   Print   Print					5			0				1	0					0							13
Nowly Teal   0												_													24
9899 1889 9 0 0 19 4 0 0 0 144 0 0 0 0 145 0 0 0 1 0 1 0 1 0 1 1 1 0 1 1 1 1 0 1			·					0							- v			_					0		11
6815-0826 0 0 0 12 4 0 0 0 0 23 0 0 0 0 0 0 0 0 0 0 0 0 0 0		-					_	1		-	ŭ		•		_	_		_	•			_	1	-	58
9800-9806   9																									20
\$1000-1000   \$1																									20
Newly Total   0																									14
9909-19915   0   0   13   1   0   0   1   15   0   0   1   1   15   0   0   0   1   1   1   3   0   0   7   2   0   0   0   0   0   0   0   0   0																						0	0	1	21 75
0985-0980 0 0 3 0 0 0 1 1 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0								1								1						0	0	0	9
0800-08085 0 0 0 8 1 0 0 0 1 1 8 0 0 0 1 1 0 0 0 0								1		-						0									11
9885-1100 0 0 0 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0		-			1			1			-	1					1		-					-	8
Newly Total   0					Ó			0		-		'n					0		-						8
1900-1015   1 0 3 3 0 0 0 0 1 1 5 5 0 0 0 1 0 0 0 0 0 0 1 0 0 5 3 1 1 0 0 0 0 1 1 0 1 1 0 0 0 0 1 1 0																						1			36
1095-1090 0 0 5 0 0 1 1 1 0 0 7 0 0 0 2 0 0 0 0 0 1 9 1 0 0 0 0 0 0 1 1 0 0 0 0			_												_							1			9
1939-1045	1015 - 1030	0					1	0	7			2					2		1			0			11
1045-1100 0 1 1 10 0 0 1 0 0 1 0 0 0 1 0 0 0 12 0 0 0 0	1030 - 1045						0		11										0						9
1100-1116	1045 - 1100				0	1					0	2			0		2					1			10
1115-1130 0 0 0 7 3 3 0 0 0 1 1 11 0 0 0 2 0 0 0 0 0 0 0 0 0	Hourly Total	1	1	28	1	2	1	1	35	0	0	6	0	0	0	0	6	0	1	31	4	3	0	0	39
1139-1146 0 0 0 6 2 0 0 0 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1100 - 1115	0	1	2	0	1	0	0		0	0	2	1	0	0	0	3	0	0	8	1	0	0	0	9
1145-1200 0 0 0 4 0 0 0 0 0 4 0 0 0 0 4 0 0 0 0 1 0 0 0 1 0 0 0 0	1115 - 1130																_								9
	1130 - 1145														-				-						7
1200-1216   0			0			0		0					0						1				1		13
1215-1230 1 0 0 9 1 0 0 0 0 11 0 0 0 1 1 0 0 0 1 1 0 0 0 0 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 0	Hourly Total		1			•		1															1		38
1239-1246 0 0 6 3 0 0 0 0 7 0 0 0 0 7 0 0 0 0 1 0 0 0 0 0										-															6
1245-1300 0 0 0 7 0 0 0 0 0 7 0 0 0 0 0 7 0 0 0 0 0 4 0 0 0 0																	2								4
											_						1					-			7
1300-1315																			-						4
1315-1330 0 0 0 4 2 0 0 0 0 6 0 0 0 2 0 0 0 0 2 1 0 0 4 1 1 1 0 0 0 1 3330-1345 0 0 0 10 0 0 0 0 1 1 1 1 1 0 0 0 2 2 0 0 0 0							_	0							•		-	_							21
1339-1345 0 0 0 10 0 0 0 1 1 11 0 0 0 2 0 0 0 0 0								1														- 0			7
1345-1400 0 0 0 8 2 2 0 0 0 110 0 0 2 2 0 0 0 0 0 2 2 0 0 0 3 3 3 0 0 0 0								1														0			7
Houry Total 0 0 0 28 5 0 0 0 2 35 0 0 0 6 0 0 0 0 6 1 0 0 17 4 1 0 0 0 0 14 100 1415 0 0 0 3 3 3 0 0 0 0 0 0 6 0 0 0 0 0 0 0								0																	6
1400 1415 0 0 0 3 3 3 0 0 0 0 6 0 0 0 0 0 0 0 0 0																		1				1			23
1415-1430 0 0 0 3 1 1 0 0 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0						_		_		-	0							0				2		0	11
1430 1445 0 0 0 6 1 0 0 0 0 7 0 0 0 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 0 1 1 0																									17
1445-1500 0 0 7 0 0 0 0 7 0 0 0 0 0 7 0 0 0 0																						1			12
Noury Total   0	1445 - 1500	0			0	0			7		0	4	1		0		5		0			1	0	0	14
1500-1515 0 0 0 23 0 0 0 0 1 24 0 0 0 6 0 0 0 0 0 0 25 1 0 0 1 3 1515-1530 0 0 0 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									24	0								1			4	5	1		54
1530 - 1545	1500 - 1515	0	0	23			0	11	24		0	6			0	0	6	0	0	25		0		3	30
1545 - 1600 0 0 0 11 1 1 0 0 0 0 12 0 0 0 0 0 0 0	1515 - 1530	0	0	7	0	0	0	0	7	0	0	2	0	0	0	1	3	0	0	3	0	0	0	1	4
Hourly Total   1		1	0	10	2	0	0	0		0	0	5	0	0	0	0	5	0	0	5	1	0	0	0	6
1600 - 1615	1545 - 1600																								12
1615 - 1630	Hourly Total					_				-				-				_				•			52
1630-1645 0 0 0 10 2 0 0 0 0 12 0 0 0 3 1 1 0 0 0 0 4 0 0 0 17 2 0 0 0 0 0 1645-1700 0 0 0 7 2 0 0 0 0 0 9 0 0 0 1 1 1 0 0 0 0 2 0 0 0 11 1 0 0 0 0								0		v	-	_			_		2								15
1645 - 1700 0 0 0 7 2 0 0 0 0 9 0 0 1 1 0 0 0 0 2 0 0 0 11 1 1 0 0 0 0								1				_					1	_							9
Hourly Total   0																									19
1700-1715 0 0 8 0 0 0 0 0 0 8 0 0 0 0 0 0 8 0 0 0 1 0 0 0 0			_					0								0		U							12
1715 - 1730								0			v					1	9	1							55 11
1730-1745 0 0 0 5 1 0 0 0 0 6 0 0 0 2 0 0 0 0 0 7 2 0 0 0 0 0 12 0 0 0 0 12 0 0 0 0 12 0 0 0 0												_					2								10
1745-1800         0         0         9         0         0         9         0         0         9         0         0         5         1         0         0         0         6         0         0         12         0																									9
Hourly Total 0 1 30 2 0 0 0 33 0 0 9 2 0 0 0 11 0 0 38 4 0 0 0 0 1 800 - 1815 0 0 8 0 0 0 0 8 0 0 0 2 1 0 0 0 0 3 0 0 14 0 0 0 0 0 1815 - 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0										_	-														12
1800-1815 0 0 8 0 0 0 0 0 8 0 0 0 0 0 8 0 0 0 1 0 0 0 1 1 0 0 0 0																									42
1815 - 1830     0     0     7     1     0     0     0     8     0     0     1     0     0     0     1     0     0     0     1     0     0     0     1     0     0     0     1     0     0     0     1     0     0     0     1     0     0     0     1     0     0     0     1     0     0     0     1     0															_							_			14
1830 - 1845					1							1	_				1				1			1	7
1845 - 1900 0 0 7 1 0 0 0 8 0 0 5 0 0 0 5 0 0 7 0 0 0 0 8 0 0 0 5 0 0 0 0 7 0 0 0 0 0 0 0 0 0 0 0		_			2			-		v	-	1					1				0	Ŭ		0	11
Hourly Total 1 0 27 4 0 0 0 32 0 0 9 1 0 0 0 10 0 37 1 0 0 1												_		-			5								7
	Hourly Total			27	4										0					37					39
TOTAL 4 3 402 59 5 1 12 486 0 0 88 11 0 1 3 103 4 3 425 61 15 6 18	_																								
	TOTAL	4	3	402	59	5	1	12	486	0	0	88	11	0	1_	3	103	4	3	425	61	15	6	18	532



Junction: (1) Church Road / A133 / School Road

Approach: A133 (West)

				Left to Ch	urch Road							Ahead to A	133 (East)							Right to So	chool Road			
TIME	P/CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	P/CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL	P/CYCLE	M/CYCLE	CAR	LGV	OGV1	OGV2	BUS	TOTAL
0700 - 0715	0	0	0	0	0	0	0	0	0	2	45	11	1	2	0	61	0	0	5	0	0	0	0	5
0715 - 0730	2	0	2	0	0	0	0	4	1	1	85	12	1	0	3	103	0	0	6	1	0	0	0	7
0730 - 0745	0	0	1	0	0	0	0	1	2	0	90	22	1	0	2	117	0	0	3	2	0	0	0	5
0745 - 0800	0	0	0	0	0	0	0	0	0	0	102	22	0	1	0	125	0	1	10	1	0	0	0	12
Hourly Total	2	0	3	<b>0</b>	0	0	0	5	3	3	322	67	3	3	5	406	0	1	24	4	0	0	1	29
0800 - 0815 0815 - 0830	0	0	0	0	0	0	0	0	0	0	88 81	24 23	2	2	3	116 109	0	0	12 17	3	0	0	0	17 20
0830 - 0845	0	0	4	1	0	0	0	5	0	1	87	19	4	1	4	116	0	0	18	2	0	0	1	21
0845 - 0900	0	0	5	2	0	0	0	7	1	Ö	74	8	2	3	0	88	0	0	16	1	0	0	0	17
Hourly Total	0	0	11	4	0	0	0	15	1	1	330	74	9	7	7	429	0	0	63	9	1	0	2	75
0900 - 0915	0	0	1	1	0	0	0	2	0	1	61	15	0	1	2	80	0	0	5	0	0	0	0	5
0915 - 0930	0	0	3	1	0	0	0	4	1	1	57	17	1	0	1	78	1	0	6	1	0	0	0	8
0930 - 0945	0	0	2	2	0	0	0	4	1	1	64	16	2	1	1	86	0	0	11	3	0	0	0	14
0945 - 1000	0	0	3	0	0	0	0	3	0	0	58	15	3	1	2	79	0	0	10	2	0	0	0	12
Hourly Total	0	0	9	4	0	0	0	13	2	3	240	63	6	3	6	323	1	0	32	6	0	0	0	39
1000 - 1015	0	0	5	0	0	0	0	5	1	0	70	20	3	1 2	1	96	0	0	3	2	0	0	0	5
1015 - 1030 1030 - 1045	0	0	4	0	0	0	0	4	0	0	46	14 11	3	3	0	64 75	0	0	9	1	0	0	0	11 8
1030 - 1045	0	0	3	1	0	0	0	4	0	1	58 72	11	7	1	0	100	0	0	4	4	0	0	0	10
Hourly Total	0	0	14	1	0	0	0	15	1	2	246	64	14	7	1	335	1	0	22	9	1	0	1	34
1100 - 1115	1	0	3	0	0	0	0	4	0	0	76	20	2	0	0	98	0	0	10	3	0	0	1	14
1115 - 1130	0	0	2	0	0	0	0	2	0	2	68	17	9	0	2	98	0	0	12	2	1	0	1	16
1130 - 1145	0	0	3	0	0	0	0	3	0	0	76	15	3	2	0	96	0	0	3	2	0	0	0	5
1145 - 1200	0	0	1	1	0	0	0	2	0	1	64	12	2	1	1	81	0	0	8	1	0	0	0	9
Hourly Total	1	0	9	1	0	0	0	11	0	3	284	64	16	3	3	373	0	0	33	8	1	0	2	44
1200 - 1215	0	0	4	0	0	0	0	4	0	0	89	12	2	1	1	105	0	0	13	2	0	0	0	15
1215 - 1230	0	0	4	1	0	0	0	5	0	1	70	10	2	1	2	86	0	0	7	1	0	0	1	9
1230 - 1245	0	0	7	1	0	0	0	8	0	0	84	15	3	0	0	102	0	0	9	2	0	0	1	12
1245 - 1300	0	0	6	0 <b>2</b>	0	0	0	6 23	0	1 2	86 329	20 <b>57</b>	3	2	0	112	0	0	5 <b>34</b>	0 <b>5</b>	0	0	1	6 42
1300 - 1315	0	0	21 4	0	0	0	0	4	1	1	80	24	<b>10</b>	2	0	405 110	0	1	8	1	0	0	0	10
1315 - 1330	0	0	2	0	0	0	0	2	0	1	99	25	3	1	2	131	0	0	8	3	0	0	0	11
1330 - 1345	0	0	4	1	0	0	0	5	0	0	79	12	5	2	1	99	0	0	12	2	0	0	0	14
1345 - 1400	0	0	1	0	0	0	0	1	0	0	80	18	1	1	0	100	0	0	8	1	0	0	0	9
Hourly Total	0	0	11	1	0	0	0	12	1	2	338	79	11	6	3	440	0	1	36	7	0	0	0	44
1400 - 1415	0	0	0	0	0	0	0	0	0	0	76	17	4	1	1	99	0	0	10	1	0	0	0	11
1415 - 1430	0	0	4	0	0	0	0	4	0	1	94	21	2	2	0	120	0	0	13	2	0	0	2	17
1430 - 1445	0	0	6	1	0	0	0	7	1	0	101	6	1	0	3	112	0	0	25	5	0	0	5	35
1445 - 1500	0	0	7	1	0	0	0	8	0	0	85	18	1	3	1	108	0	0	17	2	1	0	2	22
Hourly Total	0	0	17	2	0	0	0	19	1	1	356	62	8	6	5	439	0	0	65	10	1	0	9	85
1500 - 1515	0	0	3	2	0	0	0	5	0	1	103	12	4	0	3	123	0	0	9	1	0	0	0	10
1515 - 1530 1530 - 1545	0	0	5 3	0	0	0	0	5	0	0	103 74	16 14	5	1 5	2	127 98	0	0	26 8	2	0	0	0	30
1530 - 1545	0	0	3	0	0	0	0	3	0	0	111	24	2	4	0	141	0	0	16	3	0	0	0	19
Hourly Total	0	0	14	2	0	0	0	16	0	1	391	66	13	10	8	489	0	0	59	7	0	0	2	68
1600 - 1615	0	0	7	0	0	0	0	7	0	0	115	17	1	1	9	143	0	0	16	1	0	0	0	17
1615 - 1630	0	0	2	1	0	0	0	3	0	2	92	24	1	0	0	119	0	1	13	6	0	0	1	21
1630 - 1645	0	0	3	0	0	0	0	3	0	1	115	27	1	1	3	148	0	1	16	3	0	0	0	20
1645 - 1700	1	0	11	1	0	0	0	13	0	2	123	19	1	0	2	147	0	0	16	6	0	0	0	22
Hourly Total	1	0	23	2	0	0	0	26	0	5	445	87	4	2	14	557	0	2	61	16	0	0	1	80
1700 - 1715	0	0	1	2	0	0	0	3	0	1	145	22	1	0	1	170	0	0	20	1	0	0	0	21
1715 - 1730	0	0	8	2	0	0	0	10	0	1	144	13	0	0	0	158	0	0	20	6	0	0	0	26
1730 - 1745	0	0	7	0	0	0	0	7	0	4	113	18	0	0	1	136	0	1	19	2	0	0	0	22
1745 - 1800	0	0	7	0	0	0	0	7	0	1	141	10	0	0	1	153	0	1	15	3	0	0	0	19
1800 - 1815	0	0	23	1	0	0	0	27	0	<b>7</b>	<b>543</b> 104	<b>63</b> 8	1	0	1	617 114	2	0	<b>74</b> 22	12 4	0	0	0	88 28
1800 - 1815	0	0	4	0	0	0	0	4	0	1	104	4	1	0	1	114	0	0	8	3	0	0	0	11
1830 - 1845	0	0	3	1	0	0	0	4	1	1	77	8	0	0	1	88	0	1	14	2	0	0	0	17
1845 - 1900	0	0	8	0	0	0	0	8	0	0	65	7	1	0	1	74	0	0	5	3	0	0	0	8
Hourly Total	0	0	16	2	0	0	0	18	1	2	353	27	3	0	4	390	2	1	49	12	0	0	0	64
TOTAL	4	0	171	25	0	0	0	200	10	32	4177	773	98	51	62	5203	4	7	552	105	4	0	20	692

# Appendix C

Accidents between dates 01/03/2007 and 29/02/2012 (60) months Selection: Notes:

Selected using Build Query:

I12180307 26/03/2007 Time 0728 2 Vehicles Casualties Severity 1 Serious E: 606,227 N: 224,518 First Road: A 133 Second Road: IJ Road Type One Way Street Junction Control: Speed limit: 30 Junction Detail: T & Stag Jct Give way or controlled

Crossing Control: None Facilities: None within 50m
Road surface: Dry Weather: Fine without high winds

Daylight: street lights present Carriageway Hazards None
Place accident reported: At scene Special Conditions at Site: None

Causation

	Factor:	Participant:	Confidence:
1st:	Failed to judge other persons path or speed	Vehicle 1	Very Likely
2nd:	Failed to signal/Misleading signal	Vehicle 2	Very Likely
3rd:			
4th:			
5th:			
6th:			
			1

Other Cause: Precipitating Factor:

# VEH 1 WAS PULLING OUT OF CHURCH RD TURNING LEFT ONTO A133 COLCHESTER RD WHEN IT COLLIDED WITH THE SIDE OF VEH 2 WHICH WAS TRAVELLING ALONG THE A133 TOWARDS COLCHESTER

#### Occurred on A133 COLCHESTER RD AT J/W CHURCH RD ELMSTEAD MARKET

Vehicle Reference 1 Car Turning left

On main carriageway No skidding, jack-knifing or overturning

Location at impact Jct Approach First impact Front Hit vehicle: 2
Hit object in road None Off road: None

Hit object in road None Off road: None

Did not leave carr Age of Driver

Not hit and run Breath test Negative
Driver Postcode: VRM:

Vehicle Reference 2 Motor Cycle over 50 cc and up to 125cc Going ahead other

Vehicle movement from W to E No tow / articulation

On main carriageway No skidding, jack-knifing or overturning

Hit object in road None Off road: None

Did not leave carr Age of Driver 24 Male

Not hit and run Breath test Negative

Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 24 Male Driver/rider Severity: Serious

Not a pupil Postcode Seatbelt

Male

Accidents between dates 01/03/2007 and 29/02/2012 (60) months Selection: Notes:

Selected using Build Query:

26/11/2007 Time 0810 2 I48631107 Vehicles Casualties 1 Severity Slight 224,421 E: 606,399 N: First Road: A 133 Second Road: IJ Road Type Single carriageway Junction Control: Speed limit: 30 Junction Detail: T & Stag Jct Automatic traffic signal

Crossing Control: None Facilities: None within 50m
Road surface: Dry Weather: Fine without high winds

Daylight: street lights present Carriageway Hazards None
Place accident reported: At scene Special Conditions at Site: None

Causation

	Factor:	Participant:	Confidence:
1st:	Poor turn or manoevre	Vehicle 1	Very Likely
2nd:			
3rd:			
4th:			
5th:			
6th:			

Other Cause: Precipitating Factor:

VEH 1 TRAVELLING ON A133 TWDS COLCHESTER DIRECTION. VEH 1 APPROACHED GREEN TRAFFIC LIGHTS. VEH 1 TURNED RIGHT INTO BROMLEY ROAD AND COLLIDED WITH VEH 2 TRAVELLING ON A133 IN OPPOSITE DIRECTION.

### Occurred on TRAFFIC LIGHTS A133 COLCHESTER ROAD J/W BROMLEY ROAD

Vehicle Reference 1 Car Turning right

Vehicle movement from SE to NE No tow / articulation

On main carriageway No skidding, jack-knifing or overturning

Hit object in road None Off road: None

Did not leave carr Age of Driver 51 Male

Not hit and run Breath test Negative

Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead other

Vehicle movement from NW to SE No tow / articulation

On main carriageway No skidding, jack-knifing or overturning

Hit object in road None Off road: None

Did not leave carr Age of Driver 26 Female

Not hit and run Breath test Negative

Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 26 Female Driver/rider Severity: Slight

Not a pupil Postcode Seatbelt

Accidents between dates 01/03/2007 and 29/02/2012 (60) months Selection: Notes:

Selected using Build Query:

I52581207 20/12/2007 Time 1509 Vehicles 1 Casualties 1 Severity Serious E: 606,922 N: 224,161 First Road: A 133 Second Road: Road Type Single carriageway

Speed limit: 60 Junction Detail: Not within 20m of junction Junction Control: Not applicable

Crossing Control: None Facilities: None within 50m
Road surface: Wet/Damp Weather: Fine without high winds

Daylight: no street lighting Carriageway Hazards None
Place accident reported: At scene Special Conditions at Site: None

Causation

	Factor:	Participant:	Confidence:
1st: 2nd:	Illness or disability, mental or physical	Vehicle 1	Possible
3rd:	Failed to look properly	Vehicle 1	Possible
4th:			
5th:			
6th:			

Other Cause: Precipitating Factor:

VEH 1 TRAVELLING OUT OF A 30 MPH SPEED LIMIT INTO A NATIONAL SPEED LIMIT APPROACHES A SLIGHT RIGHT HAND BEND HEADING TWDS FRATING AND FAILS TO FOLLOW THE ROAD, GOES ONTO THE VERGE. NO EVIDENCE OF ANY BRAKING. COLLIDES WITH A BT SUPPORT WIRE TO A TELE GRAPH POST AND THEN INTO AN ELECTRICITY POLE.

#### Occurred on A133 COLCHESTER ROAD 400 METRES EAST OF J/W BROMLEY ROAD

Vehicle Reference 1 Car Going ahead other

Vehicle movement from  $\hspace{1cm} W \hspace{1cm} to \hspace{1cm} E \hspace{1cm} No \hspace{1cm} tow \hspace{1cm} / \hspace{1cm} articulation$ 

On main carriageway No skidding, jack-knifing or overturning

Location at impact Not at, or within 20M of Jct First impact Front Hit vehicle:

Hit object in road None Off road: Telegraph / Electricity pole

Nearside Age of Driver 79 Female

Not hit and run Breath test Negative

Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 79 Female Driver/rider Severity: Serious

Not a pupil Postcode Seatbelt

Accidents between dates 01/03/2007 and 29/02/2012 (60) months Selection: Notes:

Selected using Build Query:

1706 123960708 09/07/2008 Time 3 Vehicles Casualties Severity 1 Slight E: 606,370 N: 224,439 First Road: A 133 Second Road: Road Type Single carriageway

Speed limit: 30 Junction Detail: Not within 20m of junction Junction Control: Not applicable Crossing Control: None Facilities: None within 50m

Road surface: Wet/Damp Weather: Raining without high winds

Daylight: street lights present Carriageway Hazards None
Place accident reported: At scene Special Conditions at Site: None

Causation

	Factor:	Participant:	Confidence:
1st:	Following too close	Vehicle 1	Very Likely
2nd:	Slippery road (due to weather)	Vehicle 1	Possible
3rd:			
4th:			
5th:			
6th:			

Other Cause: Precipitating Factor:

VEHCILE 3 WAS TRAVELLING ALONG THE CLACTON ROAD (A133) IN THE DIRECTION OF CLACTON WHEN IT HAS INDICATED TO TURN RIGHT. IT HAS COME TO A STOP AND VEHICLE 2 HAS FAILED TO STOP AND HIT IT IN THE REAR AND VEHICLE 1 HAS FAILED TO STOP AND HIT VEHICLE 2 IN THE REAR.

#### Occurred on 30 METERS CLACTON SIDE ON THE CLACTON ROAD (A133) OF THE BROMLEY ROAD AND COL

Vehicle Reference 1 Car Going ahead other

Vehicle movement from  $\ S \ \ to \ \ N \ \ \ No \ tow \ / \ articulation$ 

On main carriageway No skidding, jack-knifing or overturning

Location at impact Not at, or within 20M of Jct First impact Front Hit vehicle: 2

Hit object in road None Off road: None

Did not leave carr Age of Driver 78 Male

Not hit and run Breath test Negative

Driver Postcode: VRM:

Vehicle Reference 2 Car Going ahead other

Vehicle movement from S to N No tow / articulation

On main carriageway No skidding, jack-knifing or overturning

Location at impact Not at, or within 20M of Jct First impact Front Hit vehicle: 3

Hit object in road None Off road: None

Did not leave carr Age of Driver 22 Female

Not hit and run Breath test Negative

Driver Postcode: VRM:

Accidents between dates 01/03/2007 and 29/02/2012 (60) months Selection: Notes:

Selected using Build Query:

Vehicle Reference 3 Car Waiting to turn right

Vehicle movement from S to N No tow / articulation

On main carriageway No skidding, jack-knifing or overturning

Location at impact Not at, or within 20M of Jct First impact Back Hit vehicle: 2

Hit object in road None Off road: None

Did not leave carr Age of Driver 22 Female

Not hit and run Breath test Not requested

Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 3 Age: 22 Female Driver/rider Severity: Slight

Not a pupil Postcode Seatbelt

I00930110 01/01/2010 Time 1744 Vehicles 1 Casualties 1 Severity Serious E: 606,232 N: 224,508 First Road: A 133 Second Road: Road Type Single carriageway

Speed limit: 30 Junction Detail: Crossroads Junction Control: Give way or controlled

Crossing Control: None Facilities: None within 50m

Road surface: Frost/Ice Weather: Other

Darkness: street lights present and lit

Place accident reported: At scene

Carriageway Hazards None

Special Conditions at Site: None

Causation

	Factor:	Participant:	Confid ence:
1st:	Slippery road (due to weather)	Vehicle 1	Very Likely
2nd:	Travelling too fast for conditions	Vehicle 1	Possible
3rd:	Sudden braking	Vehicle 1	Possible
4th:	Loss of control	Vehicle 1	Possible
5th:			
6th:			

Other Cause: Precipitating Factor:

VEH 1 WAS TRAVELLING TOWARDS COLCHESTER AS VEH 1 APROACHED CHURCH RD JCT. DRV TRIED TO SLOW DOWN TO LET A VEH OUT OF JCT. VEH 1 HAS LOST CONROL ON ICY RD AND HIT RD SIGN AND MADE CONTACT WITH HEDGE.

#### Occurred on J/W CHURCH RD AND COLCHESTER RD

Vehicle Reference 1 Car Going ahead but held up

Vehicle movement from  $\ S \ \ to \ N$  No tow / articulation

On main carriageway Skidded

Hit object in road None Off road: Road sign / ATS

O/S Age of Driver 39 Male

Not hit and run Breath test Negative

Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 39 Male Driver/rider Severity: Serious

Not a pupil Postcode Seatbelt

Accidents between dates 01/03/2007 and 29/02/2012 (60) months Selection: Notes:

Selected using Build Query:

107090310 01/03/2010 Time 1040 2 Vehicles Casualties Severity 1 Slight E: 606,667 N: 224,277 First Road: A 133 Second Road: Road Type Single carriageway

Speed limit: 60 Junction Detail: Not within 20m of junction Junction Control: Not applicable

Crossing Control: None Facilities: None within 50m
Road surface: Dry Weather: Fine without high winds

Daylight: street lights present Carriageway Hazards None
Place accident reported: At scene Special Conditions at Site: None

Causation

	Factor:	Participant:	Confidence:
1st:	Failed to look properly	Vehicle 1	Very Likely
2nd:			
3rd:			
4th:			
5th:			
6th:			

Other Cause: Precipitating Factor:

VEH 2 PARKED AND UNATTENDED 15M INSIDE NATIONAL SPEED LIMIT FROM 30MPH LIMIT FRATING BOUND CLACTON RD. VEH 1 TRAVELS ALONG CLACTON RD ALSO IN THE FRATIING BOUND CWAY AND COLLIDES WITH REAR OF PARKED VEH 2.

#### Occurred on A133 CLACTON RD 300M EAST J/W BROMLEY RD

Vehicle Reference 1 Car Going ahead other

Vehicle movement from W to E No tow / articulation

On main carriageway No skidding, jack-knifing or overturning

Location at impact Not at, or within 20M of Jct First impact Front Hit vehicle: 2

Hit object in road Parked Vehicle Off road: None

Did not leave carr Age of Driver 35 Male

Not hit and run Breath test Negative

Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 66 Male Passenger Severity: Slight

Not a pupil Postcode Seatbelt

Front seat

Vehicle Reference 2 Car Parked

Vehicle movement from Parke to Parked No tow / articulation

On main carriageway No skidding, jack-knifing or overturning

Location at impact Not at, or within 20M of Jct First impact Back Hit vehicle:

Hit object in road None Off road: None

Did not leave carr Age of Driver 51 Male

Not hit and run Breath test Driver not contacted

Driver Postcode: VRM:

Accidents between dates 01/03/2007 and 29/02/2012 (60) months Selection: Notes:

Selected using Build Query:

I07700310 02/03/2010 Time 0300 Vehicles 1 Casualties 1 Severity Slight E: 606,886 N: 224,178 First Road: A 133 Second Road: Road Type Single carriageway

Speed limit: 60 Junction Detail: Not within 20m of junction Junction Control: Not applicable

Crossing Control: None Facilities: None within 50m

Road surface: Frost/Ice Weather: Other

Darkness: no street lighting

Carriageway Hazards None

Place accident reported: At scene Special Conditions at Site: None

Causation

	Factor:	Participant:	Confid ence:
1st:	Slippery road (due to weather)	Vehicle 1	Very Likely
2nd:	Loss of control	Vehicle 1	Very Likely
3rd:	Road layout (eg bend, hill etc.)	Vehicle 1	
4th:			
5th:			
6th:			

Other Cause: Precipitating Factor:

VEH 1 WAS TRAVELLING COLCHESTER BOUND ON THE A133 BETWEEN ELMSTEAD MARKET AND FRATING PRIOR TO A DOWNHILL BEND IN THE RD DRV HAS LOST CONTROL. THE VEH HAS ROLLED OFF THE RD THROUGH A METAL BARRIER OVER A RIVER AND LANDED IN A FIELD.

#### Occurred on A133 BETWEEN FRATING VILLAGE AN DELMSTEAD AMRKET

Vehicle Reference 1 Car Going ahead right bend

Vehicle movement from S to N No tow / articulation

On main carriageway Skidded and overturned

Location at impact Not at, or within 20M of Jct First impact Front Hit vehicle:

Hit object in road Bollard / Refuge Off road: Oth perm objects

O/S Age of Driver 32 Male

Not hit and run Breath test Negative

Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 32 Male Driver/rider Severity: Slight

Not a pupil Postcode Seatbelt

Accidents between dates 01/03/2007 and 29/02/2012 (60) months Selection: Notes:

Selected using Build Query:

120930710 06/07/2010 Time 1430 2 Vehicles Casualties Severity 1 Serious E: 605,737 N: 224,573 First Road: A 133 Second Road: Road Type Dual carriageway

Speed limit: 70 Junction Detail: Not within 20m of junction Junction Control: Not applicable Crossing Control: None Facilities: None within 50m

Crossing Control: None Facilities: None within 50m
Road surface: Dry Weather: Fine without high winds

Daylight: no street lighting

Carriageway Hazards None

Place accident reported: At scene Special Conditions at Site: None

Causation

	Factor:	Participant:	Confid ence:
1st:	Poor turn or manoevre	Vehicle 1	Very Likely
2nd:	Failed to look properly	Vehicle 1	Very Likely
3rd:	Passing too close to cyclist, horse rider or pedestrian	Vehicle 1	Very Likely
4th:	Impaired by alcohol	Vehicle 1	Very Likely
5th:	Careless/Reckless/In a hurry	Vehicle 1	Very Likely
6th:	•		

Other Cause: Precipitating Factor:

VEH 1 AND VEH 2 TRAVELLING ON A133 IN GENERAL DIRECTION OF CLACTON. AS VEH 1 PASSES VEH 2, VEH 1 COLLIDES WITH VEH 2 KNOCKING RIDER FROM VEH 2. VEH 1 CONTINUES TURNING AROUND FURTHER DOWN THE ROAD BEFORE RETURNING TO SCENE.

# Occurred on COLCHESTR ROAD, ELMSTEAD MARKET APPROX 200 YRDS WEST J/W TYE ROAD

Vehicle Reference 1 Goods 7.5 tonnes mgw and over Overtaking moving vehicle O/S

Vehicle movement from W to E No tow / articulation

On main carriageway No skidding, jack-knifing or overturning

Location at impact Not at, or within 20M of Jct First impact Nearside Hit vehicle: 2

Hit object in road None Off road: None

Did not leave carr Age of Driver 78 Male

Hit and run Breath test Failed to provide

Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 1 Age: 78 Male Driver/rider Severity: Serious

Not a pupil Postcode Seatbelt

Vehicle Reference 2 Pedal Cycle Going ahead other

Vehicle movement from W to E No tow / articulation

On main carriageway No skidding, jack-knifing or overturning

Location at impact Not at, or within 20M of Jct First impact Back Hit vehicle: 1

Hit object in road None Off road: None

Did not leave carr Age of Driver 78 Male

Not hit and run Breath test Not applicable

Driver Postcode: VRM:

Accidents between dates 01/03/2007 and 29/02/2012 (60) months Selection: Notes:

Selected using Build Query:

Time 1550 2 I43041210 27/12/2010 Vehicles Casualties Severity 1 Slight Second Road: E: 605,717 N: 224,572 First Road: A 133 Road Type Single carriageway

Speed limit: 30 Junction Detail: Not within 20m of junction Junctio

Junction Control: Not applicable

Crossing Control: None Facilities: None within 50m

Road surface: Frost/Ice Weather: Fine without high winds

Darkness: street lights present and lit

Place accident reported: At scene

Carriageway Hazards None

Special Conditions at Site: None

Causation

	Factor:	Participant:	Confidence:
1st:	Aggressive driving	Vehicle 1	Very Likely
2nd:	Impaired by alcohol	Vehicle 1	Very Likely
3rd:			
4th:			
5th:			
6th:			
6th:			

Other Cause: Precipitating Factor:

#### BOTH VEHS COMING DOWN A232A FROM COLCHESTER

#### Occurred on COLCHESTER ROAD A133 ELMSTEAD 101 WEST OF J/W OATLANDS.

Vehicle Reference 1 Car Going ahead other

Vehicle movement from W to E No tow / articulation

On main carriageway No skidding, jack-knifing or overturning

Location at impact Not at, or within 20M of Jct First impact Front Hit vehicle: 2

Hit object in road None Off road: None

Did not leave carr Age of Driver 30 Male

Not hit and run Breath test Failed to provide

Driver Postcode: VRM:

Vehicle Reference 2 Car Waiting to turn right

Vehicle movement from W to E No tow / articulation

On main carriageway No skidding, jack-knifing or overturning

Location at impact Not at, or within 20M of Jct First impact Back Hit vehicle: 1

Hit object in road None Off road: None

Did not leave carr Age of Driver 48 Male

Not hit and run Breath test Negative

Driver Postcode: VRM:

Casualty Reference: 1 Vehicle: 2 Age: 42 Female Passenger Severity: Slight

Not a pupil Postcode Seatbelt

Front seat

Accidents between dates

01/03/2007 and 29/02/2012

(60) months **Notes:** 

**Selection:** 

Selected using Build Query:

Accidents involving:

Fatal Serious Slight Total Motor vehicles only (excluding 2-wheels) 0 2 5 7 2-wheeled motor 0 1 0 1 vehicles Pedal cycles 0 0 1 1 Horses & other 0 0 0 0 Total 0 5 9 4

Casualties:

	Fatal	Serious	Slight	Total
Vehicle driver	0	3	3	6
Passenger	0	0	2	2
Motorcycle rider	0	1	0	1
Cyclist	0	0	0	0
Pedestrian	0	0	0	0
Other	0	0	0	0
Total	0	4	5	9

# Appendix D

