## Appendix D

## Personal Injury Accident Data






# TRAFFMAP 

## Accidents between dates <br> $01 / 01 / 2012$ and $31 / 05 / 2017$ <br> Selection:

Selected using Pre-defined Query : All Injury Accidents

| Police Ref. | Acc Class | Date Time | Grid References |  | Casualties |  |  | Causation Factors/ Prob | $\begin{array}{r} \text { Ped } \\ \mathbf{L} \mathbf{M D} \end{array}$ | Light | Weather | Road Surface | Vehicle <br> Types |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | FtI | Ser | Slt |  |  |  |  |  |  |
| 1692366 | Fatal | 30/07/2016 1600 | 287306 | 59255 | 1 | 0 | 0 | $\begin{aligned} & 802 \mathrm{C} 1 \mathrm{~B} 808 \mathrm{C} 1 \mathrm{~B} \\ & 410 \mathrm{~V} 1 \mathrm{~B} \end{aligned}$ | 513 | Light | Fine without high winds | Dry | 9 |
| 12FP2D030 | Serious | 08/11/2012 1600 | 287243 | 59964 | 0 | 1 | 0 | 410V1B | 000 | Light | Fine without high winds | Dry | 59 |
| 13FP2I004 | Serious | 19/12/2013 1035 | 288378 | 58275 | 0 | 1 | 0 | $\begin{aligned} & 103 \mathrm{~V} 2 \mathrm{~A} 406 \mathrm{~V} 2 \mathrm{~B} \\ & 605 \mathrm{~V} 2 \mathrm{~A} 706 \mathrm{~V} 2 \mathrm{~B} \end{aligned}$ | 000 | Light | Fine without high winds | Wet/Damp | 93 |
| 13FP2D023 | Serious | 26/12/2013 1654 | 287250 | 59944 | 0 | 1 | 0 | 802C1A 806C1A | 835 | Dark | Fine without high winds | Wet/Damp | 9 |
| 14FP2B012 | Serious | 09/05/2014 1600 | 287924 | 58335 | 0 | 1 | 0 | 405 V 1 A | 000 | Light | Fine without high winds | Dry | 91 |
| 14FB2A023 | Serious | 29/10/2014 2002 | 288858 | 56974 | 0 | 1 | 0 | $\begin{aligned} & 405 \mathrm{~V} 1 \mathrm{~A} 509 \mathrm{~V} 1 \mathrm{~A} \\ & 705 \mathrm{~V} 1 \mathrm{~A} 999 \mathrm{~V} 1 \mathrm{~A} \end{aligned}$ | 000 | Dark | Fine without high winds | Wet/Damp | 91 |
| 16141306 | Serious | 27/12/2016 1156 | 287324 | 59534 | 0 | 1 | 1 | $\begin{aligned} & 405 \mathrm{~V} 1 \mathrm{~A} 403 \mathrm{~V} 1 \mathrm{~A} \\ & 404 \mathrm{~V} 1 \mathrm{~A} \end{aligned}$ | 000 | Light | Fine without high winds | Dry | 99 |
| 12FP2I001 | Slight | 16/04/2012 0814 | 288606 | 58271 | 0 | 0 | 1 | $\begin{aligned} & 802 \mathrm{C} 1 \mathrm{~B} 808 \mathrm{C} 1 \mathrm{~B} \\ & 810 \mathrm{C} 1 \mathrm{~A} \end{aligned}$ | 539 | Light | Fine without high winds | Dry | 9 |
| 12FP2D013 | Slight | 24/04/2012 1400 | 287331 | 59397 | 0 | 0 | 1 | 903 V 1 B 405 V 1 B | 000 | Light | Fine without high winds | Wet/Damp | 99 |
| 12FB2A011 | Slight | 26/07/2012 1030 | 288861 | 56981 | 0 | 0 | 1 | 405 V 1 A | 000 | Light | Fine without high winds | Dry | 91 |
| 12FP2D026 | Slight | 16/10/2012 1721 | 287896 | 58411 | 0 | 0 | 1 | 405 V 1 A 406 V 1 B | 000 | Light | Fine without high winds | Dry | 99 |
| 12FP2D028 | Slight | 28/10/2012 1128 | 287253 | 59967 | 0 | 0 | 1 | 405 V 1 A | 000 | Light | Fine without high winds | Dry | 99 |
| 12FP2B034 | Slight | 07/11/2012 0830 | 287209 | 60069 | 0 | 0 | 1 | 701 V 1 A | 000 | Light | Fine without high winds | Dry | 91 |
| 13FP2D002 | Slight | 11/01/2013 1510 | 287261 | 59961 | 0 | 0 | 2 | 405 V 1 A | 000 | Light | Fine without high winds | Dry | 99 |
| 13FB2A002 | Slight | 22/02/2013 0851 | 288861 | 56974 | 0 | 0 | 1 | 108 V 1 B 703 V 1 B | 000 | Light | Fine without high winds | Dry | 91 |
| 13FP2D003 | Slight | 15/03/2013 1420 | 287249 | 59958 | 0 | 0 | 1 | 602 V 2 A | 000 | Light | Raining without high winds | Wet/Damp | 199 |
| 13FP2B009 | Slight | 02/04/2013 1700 | 287268 | 59971 | 0 | 0 | 1 | $\begin{aligned} & 510 \mathrm{~V} 1 \mathrm{~A} 406 \mathrm{~V} 1 \mathrm{~A} \\ & 408 \mathrm{~V} 2 \mathrm{~A} \end{aligned}$ | 000 | Light | Fine without high winds | Dry | 99 |
| 13 FP 2 B 010 | Slight | 03/04/2013 1640 | 287946 | 58299 | 0 | 0 | 1 | $\begin{aligned} & 405 \mathrm{~V} 1 \mathrm{~A} 406 \mathrm{~V} 1 \mathrm{~A} \\ & 403 \mathrm{~V} 1 \mathrm{~B} 406 \mathrm{~V} 2 \mathrm{~B} \end{aligned}$ | 000 | Light | Fine without high winds | Dry | 99 |
| 13FP2D008 | Slight | 13/05/2013 1343 | 287222 | 59967 | 0 | 0 | 1 | $\begin{aligned} & 304 \mathrm{~V} 1 \mathrm{~A} 310 \mathrm{~V} 2 \mathrm{~A} \\ & 405 \mathrm{~V} 1 \mathrm{~A} 405 \mathrm{~V} 2 \mathrm{~A} \\ & 401 \mathrm{~V} 1 \mathrm{~B} \end{aligned}$ | 000 | Light | Fine without high winds | Dry | 91 |
| 13FP2B022 | Slight | 15/08/2013 1700 | 287240 | 59956 | 0 | 0 | 1 | $\begin{aligned} & 310 \mathrm{~V} 2 \mathrm{~A} 306 \mathrm{~V} 1 \mathrm{~A} \\ & 504 \mathrm{~V} 2 \mathrm{~B} \end{aligned}$ | 000 | Light | Fine without high winds | Dry | 41 |
| 13FP2D017 | Slight | 10/09/2013 1619 | 287262 | 59968 | 0 | 0 | 1 | $\begin{aligned} & 405 \mathrm{~V} 1 \mathrm{~A} 505 \mathrm{~V} 1 \mathrm{~A} \\ & 501 \mathrm{~V} 1 \mathrm{~B} 403 \mathrm{~V} 1 \mathrm{~B} \end{aligned}$ | 000 | Light | Fine without high winds | Dry | 99 |
| 13FP2B035 | Slight | 22/10/2013 0738 | 287323 | 59403 | 0 | 0 | 5 | 103 V 1 B 408 V 3 A | 000 | Dark | Raining without high winds | Wet/Damp | 9991 |
| 14FP2B005 | Slight | 01/03/2014 1220 | 287242 | 59963 | 0 | 0 | 1 | 403 V 1 B | 000 | Light | Fine without high winds | Dry | 99 |

[^0]
## Details of Personal Injury Accidents for Period -

## Selection:

Selected using Pre-defined Query : All Injury Accidents

|  |  | Vehicles |  |
| :---: | :---: | :---: | :---: |
| Police Ref. | Day Location Description | Veh No / Type / Manv / Dir / Class | Sex / Age / Sev |
|  | Date |  |  |
| Road No. <br> 2nd Road No. | Time |  |  |
| Grid Ref. | D/L |  |  |
|  | R.S.C |  |  |
|  | Weather |  |  |
|  | Speed |  |  |
|  | Account of Accident |  |  |
| Causation Fa |  |  |  |



VEH1 HELD AT RED TRAFFIC LIGHTS AT JUNCTION. PED1 WALKS INTO ROAD AS LIGHT TURNS GREEN, VEH1 MOVES OFF SLOWLY AND AS IT NEARS PED1, VEH1 ACCLERATES FOR UNKWOWN REASON, COLLIDING WITH PED1.

| 12FP2D030 | Thursday | PAIGNTO | Veh 1 | $\mathrm{M} / \mathrm{C}>500 \mathrm{cc}$ | Going ahead |  | to W | Dri | M | 34 | Serious |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 08/11/2012 |  | Veh 2 | Car | Going ahead | E | to W |  |  |  |  |
| R1: A 380 | 1600 hrs |  |  |  |  |  |  |  |  |  |  |
| E 287,243 | Dry |  |  |  |  |  |  |  |  |  |  |
| N 59,964 | Fine without | thigh wind |  |  |  |  |  |  |  |  |  |
|  | 30 mph |  |  |  |  |  |  |  |  |  |  |
| Causation Fa |  |  |  |  | Participant: |  | Conf | ence |  |  |  |
| 1st: Loss | ntrol |  |  |  | Vehicle 1 |  | Poss |  |  |  |  |

V1 IS A M/C MOVING AHEAD, THE VEH HAS EXPERIENCED A MECHANICAL PROBLEM AND HTE THROTTLE HAS STUCK OPEN, CAUSING IT TO TRAVEL FORWARD AND COLLIDE WITH V2.


VEH1 STOPPED WAITING FOR A VEHICLE TO PASS AS PARKED VEHICLE DID NOT ALLOW TWO VEHICLES TO PASS IN THE ROAD, VEH1 STARTED TO PULL AROUND THE PARKED VEHICLE WHEN VEH2 COLLIDED WITH THE REAR OF VEH1

## Details of Personal Injury Accidents for Period -

## Selection:

Selected using Pre-defined Query : All Injury Accidents
 VEH1 TRAV FROM KINGS ASH ROAD TWDS BRIXHAM IN OUTSIDE LANE APPROACHING TRAFFIC LIGHTS ON TWEENAWAY CROSS, PED CAS1 HAS STEPPED OUT FROM THE CENTRAL ISLAND INTO THE PATH OF ONCOMING VEH1
 V1 DRIVIN ALONG WITH THE INTENTION OF TURNING RIGHT INTO GOODRINGTON ROAD - AND DID NOT SEE V2 - COLLIOSN OCCURED

| 14FB2A023 | Wednesday BRIXHAM - BRIXHAM ROAD 29/10/2014 | Veh 1 <br> Veh 2 | Car <br> Pedal cycle | Going ahead <br> Going ahead | SE to NW <br> SE to NW Dri | M | 50 | Serious |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| R1: U | 2002hrs |  |  |  |  |  |  |  |
| R2: U | Darkness: street lights present a |  |  |  |  |  |  |  |
| E 288,858 | Wet/Damp |  |  |  |  |  |  |  |
| N 56,974 | Fine without high winds 30 mph |  |  |  |  |  |  |  |


| Causation Factor: | Participant: |  |  |
| :--- | :--- | :--- | :--- |
| 1st: | Failed to look properly | Vehicle 1 | Very Likely |
| 2nd: | Distraction in vehicle | Vehicle 1 | Very Likely |
| 3rd: | Dazzling headlights | Vehicle 1 | Very Likely |
| 4th: | Other | Vehicle 1 |  |

CAS1 WAS CYCLING HOME ALONG DARMOUTH ROAD, STATED THAT VEHICLES CONTINUED TO PASS HIM WHEN ALL OF A SUDDEN A VEHICLE COLLIDED WITH HIM FROM BEHIND, CAUSING HIS PUSHBIKE TO CRASH TO FLOOR AND CAS1 TO GO IN THE AIR AND COME DOWN HARD ONTO THE ROAD. CAS
1 WAS TRAVELING APPROX 15-25 AND THE VEH1 SLIGHTLY MORE TO OVERTAKE.

## Details of Personal Injury Accidents for Period -

## Selection:

Selected using Pre-defined Query : All Injury Accidents


V1 HAS BEEN TRAVELLING ALONG BRIXHAM ROAD, TOWARDS BRIXHAM V1 HAS MOVED INTO LANE TO TURN RIGHT INTO BOROUGH ROAD, PAIGNTON V2 HAS BEEN APPROACHING FROM THE OPPOSITE DIRECTION ON THE A3022 CONT STRAIGHT ON V1 HAS NOT ADHERED TO THE GIVE WAY ALBE IT HER TRAFFIC LIGHT WAS GREEN, AND TURNED RIGHT INTO THE PATH OF V2 V2 HAS STRUCK V1 CAUSING IT TO ROTATE INTO THE ROAD - V2 CONT ON FOOTPATH V2 TRAFFIC LIGHTS WERE ALSO GREEN



| Causation Factor: |  | Participant: | Confidence: |
| :---: | :---: | :---: | :---: |
| 1st: | Emergency vehicle on call | Vehicle 1 | Possible |
| 2nd: | Failed to look properly | Vehicle 1 | Possible |


| Details of Personal Injury Accidents for Period - | 01/01/2012 | to 31/05/2017 | (65) months |
| :---: | :---: | :---: | :---: |
| Selection: |  | Notes: |  |
| Selected using Pre-defined Query : All Injury |  |  |  |


|  | Location Description | Vehicles |  |  |  |  |  | Casualties |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Police Ref. |  | Veh No / Type / Manv / Dir / Class |  |  |  |  |  | Sex / Age / Sev |  |  |
| Road No. 2nd Road No. Grid Ref. | Date |  |  |  |  |  |  |  |  |  |
|  | Time |  |  |  |  |  |  |  |  |  |
|  | D/L |  |  |  |  |  |  |  |  |  |
|  | R.S.C |  |  |  |  |  |  |  |  |  |
|  | Weather |  |  |  |  |  |  |  |  |  |
|  | Speed |  |  |  |  |  |  |  |  |  |
|  | Account of Accident |  |  |  |  |  |  |  |  |  |
| Causation Factor: |  |  |  |  |  |  |  |  |  |  |
| 12FB2A011 | BRIXHAM - DARTMOUTH ROAD / <br> BROADSANDS / LIGHTS NEAR THE | Veh 1 <br> Veh 2 | Car <br> Pedal cycle | Going ahead Going ahead | $\mathrm{N}$ <br> E | $\begin{aligned} & \text { to } \mathrm{S} \\ & \text { to } \mathrm{W} \end{aligned}$ | Dri | M 42 Slight |  |  |
| R1: A 3022 | 1030hrs CORNER |  |  |  |  |  |  |  |  |  |
| R2: U |  |  |  |  |  |  |  |  |  |  |
| E 288,861 | Dry |  |  |  |  |  |  |  |  |  |
| N 56,981 | Fine without high winds |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Causation Factor: |  | Participant: |  |  | Confidence: |  |  |  |  |  |
| 1st: Faile | ook properly |  |  | Vehicle 1 | Very Likely |  |  |  |  |  |

V2 RIDING CYCLE COLLIDED WITH V1 IN YELLOW WAITING AREA - NAMES AND TELENUMBER EXCHANGED HOWEVER VRM WAS NOT TAKEN



VEH1 ACCELERATED FROM STATIONARY POSITION AT THE JUNCTION AND VEH2 COLLIDED WITH REAR OF VEH1.


| Details of Personal Injury Accidents for Period - $\quad \mathbf{0 1 / 0 1 / 2 0 1 2}$ | to $\mathbf{3 1 / 0 5 / 2 0 1 7}$ | (65) months |
| :--- | :---: | :---: | :---: | :---: |
| Selection: | Notes: |  |
| Selected using Pre-defined Query : All Injury Accidents |  |  |



VEH1 WAS TRAVELLING TOWARDS TOTNES. VEH2 PULLED OUT OF A LAY BY WITHOUT LOOKING, CAUSING VEH1 TO COLLIDE INTO IT
 VEH1 STOPPED AT JUNCTION AND CHECKED LEFT AND RIGHT TO PROCEED - VEH2 HAS BEEN TRAVELLING ALONG DARTMOUTH ROAD - VEH1 HAS NOT SEEN CYCLIST VEH2 WHO HAS COLLIDED WITH THE BONNET OF VEH1.


VEH2 WAS WAITING TO TURN ONTO TOTNES ROAD. AS VEH1 WENT PAST THE JUNCTION, VEH2 PULLED OUT INTO THE PATH OF VEH1 COLLIDING WITH THE FRONT NEARSIDE. VEH2 SHOWN AS NO INSURANCE

## Details of Personal Injury Accidents for Period -

## Selection:

Selected using Pre-defined Query : All Injury Accidents


JUST PASSED JCT WITH GOODRINGTON RD, VEH1 IN NEARSIDE LANE, VEH2 IN OFFSIDE LANE - BOTH APPROACHING MERGE IN TURN AS RD NARROWS AFTER JCT. VEH1 MOVES FORWARD INTO A SPACE INFRONT \& VEHS COME TOGETHER CAUSING DAMAGE.


## Details of Personal Injury Accidents for Period -

## Selection:

Selected using Pre-defined Query : All Injury Accidents

| Police Ref. |  |  | Vehicles | Casualties |
| :---: | :---: | :---: | :---: | :---: |
|  | Day | Location Description | Veh No / Type / Manv / Dir / Class | Sex / Age / Sev |
|  | Date |  |  |  |
| Road No.2nd Road No. Time |  |  |  |  |
| Grid Ref. | D/L |  |  |  |
|  | R.S.C |  |  |  |
|  | Weather |  |  |  |
|  | Speed |  |  |  |
|  | Account of Accident |  |  |  |
| Causation F |  |  |  |  |

VEH1 WAS TRAVELLING EAST ALONG TOTNES ROAD. VEH2 PEDAL CYCLE WAS CROSSING TOTNES ROAD ON THE PEDESTRIAN CROSSING. VEH1 DROVE THROUGH THE RED LIGHTS AND VEH2 RODE INTO THE SIDE OF VEH1, CAUSING SLIGHT DAMAGE TO BIKE AND INJURY.

| 13FP2B022 | Thursday PAIGNTON - A385 TOTNES ROAD, 15/08/2013 J/W A3022 TOTNES ROAD | Veh 1 <br> Veh 2 | $\begin{aligned} & \text { M/C }>125 \mathrm{cc} \\ & \text { Pedal cycle } \end{aligned}$ | Going ahead Going ahead | $\begin{aligned} & \mathrm{E} \\ & \mathrm{~N} \end{aligned}$ | $\begin{array}{ll} \text { to } \mathrm{W} & \text { Dri } \\ \text { to } \mathrm{S} & \end{array}$ | F | Slight |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| R1: A 385 | 1700hrs |  |  |  |  |  |  |  |
| R2: A 3022 | Daylight:street lights present |  |  |  |  |  |  |  |
| E 287,240 | Dry |  |  |  |  |  |  |  |
| N 59,956 | Fine without high winds 30 mph |  |  |  |  |  |  |  |
| Causation Factor: |  |  |  | Participant: |  | Confidence: |  |  |
| 1st: Cyclist ent | ering road from pavement |  |  | Vehicle 2 |  | Very Likely |  |  |
| 2nd: Exceeding | speed limit |  |  | Vehicle 1 |  | Very Likely |  |  |
| 3rd: Uncorrect | d, defective eyesight |  |  | Vehicle 2 |  |  |  |  |

VEH1 WAS TRAVELLING FROM A3022 TOTNES ROAD ACROSS TWEENAWAY CROSS INTO A385 TOTNES ROAD. VEH2 A PEDAL CYCLE WAS CROSSING THE ROAD AT THE JUNCTION. THE CYCLIST CHECKED FOR TRAFFIC AND BELIEVING IT TO BE SAFE, PROCEEDED TO CROSS, BUT DIDNT CHECK THE PE
D CONTROL SIGNAL. AS VEH1 WAS PART WAY ACROSS THE JUNCTION, THE TRAFFIC SIGNAL WENT TO AMBER SO MAY HAVE SPED UP. AT THIS POINT THE CYCLIST WAS MOST OF THE WAY ACROSS THE ROAD, AND VEH1 STRUCK ITS BACK WHEEL. THE CYCLIST LOST CONTROL AND FELL OVER.


VEH1 AND 2 WERE BOTH TRAVELLING FROM PAIGNTON TOWARDS TWEENAWAY CROSSROADS. VEH1 WAS TRAVELLING IN LANE 2. VEH2 WAS IN LANE 1. DRIVER OF VEH1 ALLEDGES TO HAVING A 'COUGHING FIT' AND DUE TO THIS HE HAS ATTEMPTED TO PULL INTO LANE 1 AND STOP. DRIVER OF
VEH1 HAS MISJUDGED THE MANOUVRE AND HAS COLLIDED WITH VEH2 WHO WAS MOVING SLOWLY IN TRAFFIC.

| 13FP2B035 | Tuesday | PAIGNTON, A3022 BRIXHAM ROAD | Veh 1 | Car | Wait go ahead held | S | to N | FSP | F | 8 | Slight |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 22/10/2013 | AT JUNCTION WITH UNCLASSIFIED | Veh 2 | Car | Wait go ahead held | S | to N | Dri | M | 43 | Slight |
| R1: A 3022 | 0738 hrs | ROSELANDS DRIVE | Veh 3 | Car | Wait go ahead held | S | to N | RSP | F | 23 | Slight |
| R2: U | Darkness: s | treet lights present a | Veh 3 | Car | Wait go ahead held | S | to N | RSP | M | 21 | Slight |
| E 287,323 | Wet/Damp |  | Veh 4 | Pedal cycle | Wait go ahead held | S | to N | Dri | M | 40 | Slight |
| N 59,403 | Raining wit | hout high winds |  |  |  |  |  |  |  |  |  |

## Details of Personal Injury Accidents for Period -

## Selection:

Selected using Pre-defined Query : All Injury Accidents



VEH2 DRIVING THROUGH GREEN LIGHTS IN RIGHT HAND LANE TO TURN RIGHT. VEH1 CHANGED LANES INTO VEH2'S LANE, MAKING CONTACT WITH VEH2'S NEARSIDE.

| 14FP2D013 | Thursday PAIGNTON - BRIXHAM ROAD | Veh 1 | Car | Going ahead | N | to S |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 22/05/2014 OUTSIDE SHORT PRESTON | Veh 2 | Car | Going ahead | N | to S | FSP | F | Slight |
| R1: A 3022 | 1801 hrs | Veh 3 | Car | Going ahead | N | to S |  |  |  |
|  | Daylight:street lights present | Veh 4 | Car | Going ahead | N | to S |  |  |  |
| E 287,441 | Dry | Veh 5 | Car | Going ahead | N | to S |  |  |  |
| N 59,004 | Fine without high winds 30 mph | Veh 6 | Car | Going ahead | N | to S |  |  |  |
| Causation Fac |  |  |  | Participant: |  | Conf | ence: |  |  |
| 1st: Follo | too close |  |  | Vehicle 001 |  | Very | kely |  |  |
| 2nd: Failed | judge other persons path or speed |  |  | Vehicle 001 |  | Very | kely |  |  |

V001 SLOWED TO ALLOW AN UNRELATED VEHICLE TO CROSS ITS PATH. THE FOLLOWING VEHICLES FAILED TO JUDGE THE PATF AND SPEED OF V001 AND COLLIDED IN A REAR SHUNT


VEH2 TRAVELLING ALONG BRIXHAM ROAD APPROACHING J/W GOODRIGTON ROAD IN THE OUTSIDE LANE - VEH1 WHICH WAS IN THE INSIDE LANE HAS SWERVED INTO THE OUTSIDE LANE WHILST OVERTAKING AN UNKNOW VEH - VEH1 HAS COLLIDED WITH VEH2 CAUSING EXTENSIVE DAMAGE - DETA

## Details of Personal Injury Accidents for Period -

## Selection:

Selected using Pre-defined Query : All Injury Accidents


Causation Factor:
ILS EXCHANGED BUT DRIVER OF VEH2 SINCE SUSTAINED INJURY.
 VEH1 TRIED TO DRIVE IN THE WRONG WAY OF THE KFC DRIVE THRU. DRIV1 NOTICED HIS MISTAKE AND ATTEMPTED TO BACK OUT BY REVERSING. VEH1 CONTACTED WITH A METAL RAILING. WITNESS TRIED TO HELP BUT VEH1 MOVED OFF AND BUMPED OVER THE CURB AND HIT A METAL POST AND TREE


VEH1 HAS FAILED TO LOOK IN HIS BLINDSPOT TO SEE APPROACHING VEH2 WHO WAS LOOKING TO OVERTAKE VEH1 AS IT WAS STATIONERY. VEH1 PULLED OUT AND HIT VEH2.


VEH1 STATIONARY BEHIND VEH2 MOTORCYCLE AT TRAFFIC LIGHTS. LIGHTS CHANGED AND VEH2 STALLED. VEH1 COLLIDED WITH VEH2. WITNESSES.

## Details of Personal Injury Accidents for Period -

## Selection:

Selected using Pre-defined Query : All Injury Accidents
 VEH2 STOPPED AT TRAFFIC LIGHTS. DRIVER OF VEH1 WAS NOT ABLE TO SEE THAT VEH2 HAD STOPPED AND A REAR SHUNT OCCURRED.
 VEH1 WAS ON OUTSIDE LANE, OVERTOOK 3 VEHICLES IN THE INSIDE LANE, APPROACHING THE TWO LANES MERGING INTO ONE VEH1 ACCELERATED, MOVED TO THE NEARSIDE AND THE REAR OF THE VEHICLE SWERVED OUT. DRV1 WAS UNABLE TO CONTROL THE CAR AND IT HIT A LOW WALL AN D THEN A GARDEN FENCE, COMING TO REST IN A GARDEN.

| 15FP2D004 | Wednesday PAIGNTON - BRIXHAM ROAD / | Veh 1 | M/C < 125 cc | Going ahead | S to N | Dri | M | 38 | Slight |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 25/02/2015 ROSELANDS DRIVE | Veh 2 | Car | Turning left | W to N |  |  |  |  |
| R1: U | 1820 hrs | Veh 3 | Goods < 3.5t | Turning right | S to W |  |  |  |  |
| R2: U | Darkness: street lights present a |  |  |  |  |  |  |  |  |

E 287,507 Dry
N 58,923 Fine without high winds 30 mph

| Causation Factor: | Participant: | Confidence: |  |
| :--- | :--- | :--- | :--- |
| 1st: | Failed to look properly | Vehicle 2 | Very Likely |
| 2nd: | Poor turn or manoevre | Vehicle 3 | Possible |

V1 TRAVELLING ON BRIXHAM ROAD HEADING TOWARDS BRIXHAM, V3 UNDERTOOK V1 AND INDICATED LEFT INTO ROSELANDS DRIVE, AS V3 PULLED INTO ROSELANDS DRIVE V2 PULLED ONTO BRIXHAM ROAD - LEFT FROM ROSELANDS DRIVE. V3 BLOCKED V2'S VIEW OF V1, V1 COLLIDED WITH OF FSIDE FRONT OF V2 TRAPPING LEG BETWEEN CAR AND BIKE

## Details of Personal Injury Accidents for Period -

## Selection:

Selected using Pre-defined Query : All Injury Accidents

 AFTER PASSING THROUGH THE TRAFFIC LIGHTS AT TOTNES ROAD JUNCTION, 2 LANES MERGE INTO 1. VEH2 COLLIDED INTO THE REAR OF VEH1. VEH3 COLLIDED INTO THE REAR OF VEH2.


| Causation Factor: | Participant: | Confidence: |  |
| :--- | :--- | :--- | :--- |
| 1st: | Failed to look properly | Vehicle 2 | Very Likely |
| 2nd: | Sudden braking | Vehicle 2 | Possible |

VEH2 COLLIDED WITH REAR OF VEH1, WHICH WAS GIVING WAY AT JUNCTION. DRV2 STOPPED AND GAVE DETAILS.


VEH 1 AND VEH 2 WERE IN SLOW MOVING TRAFFIC ALONG BRIXHAM ROAD HEADING TOWARDS TWEENAWAY CROSS. VEH 2 HAS APPLIED THE BRAKES AND COME TO A STOP AND VEH 1 HAS GONE INTO THE BACK OF VEH 2 CAUSING MINOR DAMAGE.

| 15FP2B022 | Friday | PAIGNTON - A3022 BRIXHAM ROAD | Veh 1 | Car | Going ahead | W to E |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 25/09/2015 | J/W YALBERTON ROAD | Veh 2 | Car | Going ahead | W to E |  |  |  |  |
| R1: A 3022 | 0955 hrs |  | Veh 3 | Car | Going ahead | W to E |  |  |  |  |
| R2: U | Daylight:st | reet lights present | Veh 4 | M/C > 500 cc | Going ahead | W to E | Dri | M | 34 | Slight |
| E 287,282 | Dry |  |  |  |  |  |  |  |  |  |
| N 59,231 | Fine withour | t high winds |  |  |  |  |  |  |  |  |
|  | 40 mph |  |  |  |  |  |  |  |  |  |

## Details of Personal Injury Accidents for Period -

## Selection:

Selected using Pre-defined Query : All Injury Accidents

|  |  | Casualties |
| :--- | :--- | :--- |
| Police Ref. | Day $\quad$ Location Description | Veh No / Type / Manv / Dir / Class |
| Road No. | Date |  |
| 2nd Road No. | Time |  |
| Grid Ref. | D/L |  |
|  | R.S.C |  |
|  | Weather |  |
|  | Speed |  |
|  | Account of |  |
|  | Accident |  |

Causation Factor:


V1 A T JUNCTION OF BASCOMBE RD WITH THE A3022, IT WAS PRESENTING ITSELF AT JUNCTION WITH THE NOSE IN THE NEARES] C/W OF A3022. V3 STOPPED ON THE FAR C/W AND FLASHED V1 OUT, V2 DRIVING A3022 TOWARDS BRIXHAM ON NEAREST C/W TO V1, AS V2 DROVE AROUND N
OSE OF V1, V1 PULLED OUT INTO THE SIDE OF V2, V2 WAS THEN SHUNTED ACROSS INTO V3


VEH1 TRAVELLING BEHIND VEH2. AS THE LANES MERGED, VEH2 MOVED OVER TO THE LEFT. VEH1 CONTINUED TRYING TO OVERTAKE VEH2. THERE WAS NOT ENOUGH SPACE FOR VEH1 TO GET PAST. DRV OF VEH2 SLAMMED ON BRAKES BUT COULD NOT AVOID COLLISION. VEH1 INITIALLY DID NO
T STOP BUT VEH2 FOLLOWED AND DETS WERE EXCHANGED.

## Details of Personal Injury Accidents for Period -

## Selection:

Selected using Pre-defined Query : All Injury Accidents
 VEH4 WAS ON TOTNES ROAD AND WAS WAITING TO TURN RIGHT INTO FAIRPARKS CATTERY. VEH3 SLOWED BEHIND. VEH2 ALSC SLOWED DOWN BEHIND VEH3. VEH1 FAILED TO APPLY THE BRAKES AND CRASHED INTO THE BACK OF VEH2, WHICH IN TURN CRASHED INTO VEH3 AND VEH3 INTO VEH4


VEH2 TRAVELLING TOWARDS RING ROAD. VEH1 WAITING IN GREAT PARKS ROAD ON THE LEFT HAND SIDE WHEN IT PULLED ACROSS VEH2 PATH. VEH2 STEERED TO THE RIGHT, EVENTUALLY HITTING KERB ON OPPOSITE SIDE OF ROAD. VEH1 CAUGHT UP BY VEH2. NO DETS EXCHANGED.

## Details of Personal Injury Accidents for Period -

## Selection:

Selected using Pre-defined Query : All Injury Accidents

|  | Location Description | Vehicles |  |  | Casualties |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Police Ref. |  | Veh No / Type / Manv / Dir / Class |  |  |  |  |  | Sex / Age / Sev |  |  |
| Road No. <br> 2nd Road No. | Date |  |  |  |  |  |  |  |  |  |
|  | Time |  |  |  |  |  |  |  |  |  |
| Grid Ref. | D/L |  |  |  |  |  |  |  |  |  |
|  | R.S.C |  |  |  |  |  |  |  |  |  |
|  | Weather |  |  |  |  |  |  |  |  |  |
|  | Speed |  |  |  |  |  |  |  |  |  |
|  | Account of Accident |  |  |  |  |  |  |  |  |  |
| Causation Factor: |  |  |  |  |  |  |  |  |  |  |
| 1667832 | Tuesday BRIXHAM ROAD A3022 A3022 | Veh 1 | Car | Starting | E | to W | Dri | F | 83 Slight |  |
|  | 26/04/2016 |  |  |  |  |  |  |  |  |  |
| R1: A 3022 | 2114hrs |  |  |  |  |  |  |  |  |  |
| R2: A 3022 | Darkness: street lights present a |  |  |  |  |  |  |  |  |  |
| E 287,905 | Dry |  |  |  |  |  |  |  |  |  |
| N 58,356 | Fine without high winds |  |  |  |  |  |  |  |  |  |
|  | 40 mph |  |  |  |  |  |  |  |  |  |
| Causation Factor: |  |  |  | Participant: | Confidence: |  |  |  |  |  |
| Failed to look properly |  |  |  | Vehicle 1 |  | Very | kely |  |  |  |
| Nervous/Uncertain/Panic |  |  |  | Vehicle 1 |  | Very | kely |  |  |  |
| Not displaying lights at night or in poor visibility |  |  |  | Vehicle 1 |  | Poss |  |  |  |  |
| $\begin{array}{ll}\text { 3rd: } & \text { Not d } \\ \text { 4th: } & \text { Distra }\end{array}$ | outside vehicle |  |  | Vehicle 1 |  | Poss |  |  |  |  |

VEH1 TRAVELLING ALONG BRIXHAM ROAD HAS HIT THE KERB AND CROSSED GRASSED AREA BEFORE LAUNCHING OFF AN EMBANKMENT BECOMING AIRBORNE AND CROSSING THE CARRIAGEWAY LANDING ON BARRIERS AT THE CROSSING IN THE MIDDLE OF THE ROAD.

| 1665915 | Thursday | BRIXHAM ROAD A3022 | Veh 1 | Car | Going ahead | E to W |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 28/04/201 |  | Veh 2 | Car | Wait go ahead held | E to W | Dri | F | 28 | Slight |
| R1: A 3022 | 1608hrs |  | Veh 3 | Car | Wait go ahead held | E to W | Dri | M | 46 | Slight |
|  | Daylight:s | eet lights present | Veh 4 | Car | Wait go ahead held | E to W |  |  |  |  |

E 288,381

Dry
N 57,554 Fine without high winds 40 mph

01/01/2012 to 31/05/2017 (65) months

## Notes:

## Details of Personal Injury Accidents for Period -

## Selection:

Selected using Pre-defined Query : All Injury Accidents


MALE WAS APPROACHING TRAFFIC LIGHTS AND AS THEY CHANGED STARTED TO SPEED UP CHANGING FROM 2ND TO 3RD GEAR - MALE HAS LOST CONCENTRATION UNKNOWN REASON WHY - HAS MOUNTED THE FOOTPATH AND FRONT OFFSIDE HAS COLLIDED WITH A STREET LAMP. AIRBAG DEPLOYED.


VEH1 TURNED FROM BRIXHAM ROAD TO TOTNES ROAD. AS THEY HAVE BEEN TURNING A PEDESTRIAN HAS RUN OUT IN FRONT OF THEM AND VEH1 HAS COLLIDED WITH THEM.


VEH1 STATIONERY AT TRAFFIC LIGHTS - VEH1 WENT TO PULL AWAY AS LIGHTS WERE GREEN HOWEVER UNKNOWN VEH IN FRONT SUDDENLY STOPPED - AS VEH1 PRESSED THE BRAKE AND STOPPED VEH2 HAS COLLIDED WITH THE REAR OF VEH1.

## Details of Personal Injury Accidents for Period -

## Selection:

Selected using Pre-defined Query : All Injury Accidents


## V2 WAS ON DARTMOUTH ROAD - V1 CAME FROM TOTNES ROAD AND FAILED TO STOP AT HIS GIVE WAY, FAILED TO LOOK RIGHT

 - V2 CARRIED OUT EMERGENCY STOP - CAUSING PASSENGER INJURIES


IT IS UNCLEAR HOW COLLIDION OCCORED DUE TO LACK OF INFORMATION ON BOTH STORM AND NCRF DUE TO ACCIDENT NOT BEING CALLED IN WHEN OCCORED. VEH2 DID SUSTAIN REAR END DAMAGE.

## Details of Personal Injury Accidents for Period -

## Selection:

Selected using Pre-defined Query : All Injury Accidents


VEH1 WAS TRAVELLING ALONG TOTNES ROAD. DRIVER OF VEH1 HAS FAILED TO LOOK PROPERLY AND GONE TO TURN RIGHT ACROSS ONCOMING TRAFFIC INTO ANIMALS IN DISTRESS. SHE HAS NOT SEEN VEH2 COMING IN THE OPPOSITE DIRECTION AND HAS COLLIDED WITH VEH2. AS VEH2 (MOTORBI KE) FLIPPED OVER IT STRUCK A PARKED VEH3.


## Causation Factor:

## Participant:

Confidence:
1st: Failed to judge other persons path or speed
2nd: Failed to look properly

Vehicle 1
Vehicle 1

Very Likely
Very Likely

## VEH1 PULLED OUT IN FRONT OF VEH2 PEDAL CYCLE, STRUCK IT AND DROVE OFF.



[^1]
# TRAFFMAP 

| Accidents between dates | $01 / 01 / 2012$ and $31 / 05 / 2017$ | (65) months |
| :--- | :---: | :---: |
| Selection: |  | Notes: |

Selected using Pre-defined Query : All Injury Accidents

| Police Ref. | Acc Class | Date Time | Grid References |  | Casualties |  |  | Causation Factors/ Prob | $\begin{array}{r} \text { Ped } \\ \mathrm{L} \text { M D } \end{array}$ | Light | Weather | Road <br> Surface | Vehicle <br> Types |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14FP2D013 | Slight | 22/05/2014 1801 | 287441 | 59004 | 0 | 0 | 1 | 308 V 001 A | 000 | Light | Fine without high winds | Dry | 999999 |
|  |  |  |  |  |  |  |  | 406 V 001 A |  |  |  |  |  |
| 14FP2D011 | Slight | 05/06/2014 1445 | 287911 | 58378 | 0 | 0 | 1 | 405 V 1 B 602 V 1 B | 000 | Light | Fine without high winds | Dry | 89 |
| 14FP2B033 | Slight | 30/08/2014 1757 | 287286 | 59547 | 0 | 0 | 1 | 505 V 1 A 603 V 1 A | 000 | Light | Fine without high winds | Dry | 9 |
|  |  |  |  |  |  |  |  | 403 V 1 A 410 V 1 A |  |  |  |  |  |
| 14FP2D018 | Slight | 24/09/2014 1800 | 287259 | 59966 | 0 | 0 | 1 | 405 V 1 A 406 V 2 B | 000 | Light | Fine without high winds | Dry | 94 |
|  |  |  |  |  |  |  |  | 706 V 1 B |  |  |  |  |  |
| 14FP2B031 | Slight | 16/10/2014 0934 | 287213 | 59964 | 0 | 0 | 1 | 508 V 1 B 405 V 1 B | 000 | Light | Fine without high winds | Dry | 93 |
|  |  |  |  |  |  |  |  | 410V1B |  |  |  |  |  |
| 15FP2D008 | Slight | 13/01/2015 1150 | 287333 | 59404 | 0 | 0 | 2 | 405 V 1 A 706 V 1 B | 000 | Light | Fine without high winds | Wet/Damp | 99 |
| 15FP2B002 | Slight | 27/01/2015 0800 | 287417 | 59027 | 0 | 0 | 1 | 409 V 1 A 410 V 1 A | 000 | Light | Fine without high winds | Dry | 9 |
|  |  |  |  |  |  |  |  | 102V1B 307V1B |  |  |  |  |  |
| 15FP2D004 | Slight | 25/02/2015 1820 | 287507 | 58923 | 0 | 0 | 1 | 405 V 2 A 403 V 3 B | 000 | Dark | Fine without high winds | Dry | 3919 |
| 15FP2B008 | Slight | 27/04/2015 0900 | 287221 | 59997 | 0 | 0 | 2 | 408 V 1 A 406 V 2 B | 000 | Light | Fine without high winds | Dry | 999 |
| 15FB2A011 | Slight | 03/06/2015 1833 | 288846 | 57015 | 0 | 0 | 1 | 405 V 2 A 408 V 2 B | 000 | Light | Fine without high winds | Dry | 99 |
| 15FP2B019 | Slight | 30/08/2015 1311 | 287837 | 58463 | 0 | 0 | 2 | 103 V 1 B 308 V 1 A | 000 | Light | Raining without high winds | Wet/Damp | 99 |
| 15FP2B022 | Slight | 25/09/2015 0955 | 287282 | 59231 | 0 | 0 | 1 | 408 V 1 A 405 V 1 A | 000 | Light | Fine without high winds | Dry | 9995 |
| 16FB2A001 | Slight | 04/01/2016 0830 | 288854 | 57028 | 0 | 0 | 1 | 405 V 1 A 406 V 1 A | 000 | Light | Other | Wet/Damp | 999 |
|  |  |  |  |  |  |  |  | 406V2A 402V1B |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 706 V 2 B |  |  |  |  |  |
| 16FP2D003 | Slight | 16/01/2016 1745 | 287666 | 58711 | 0 | 0 | 1 | 405 V 1 B 602 V 1 B | 000 | Dark | Fine without high winds | Dry | 99 |
| 16FP2D007 | Slight | 21/03/2016 1610 | 287339 | 59577 | 0 | 0 | 4 | 403 V 1 B | 000 | Light | Fine without high winds | Dry | 99 |
| 16FP2D008 | Slight | 29/03/2016 1030 | 287263 | 59963 | 0 | 0 | 1 | 405 V 1 A 505 V 1 B | 000 | Light | Fine with high winds | Dry | 99199 |
| 1657689 | Slight | 30/03/2016 1840 | 287261 | 59964 | 0 | 0 | 1 | 602 V 1 A 405 V 1 A | 000 | Light | Fine without high winds | Dry | 989 |
| 1667832 | Slight | 26/04/2016 2114 | 287905 | 58356 | 0 | 0 | 1 | 405 V 1 A 603 V 1 A | 000 | Dark | Fine without high winds | Dry | 9 |
|  |  |  |  |  |  |  |  | 506 V 1 A 510 V 1 B |  |  |  |  |  |
| 1665915 | Slight | 28/04/2016 1608 | 288381 | 57554 | 0 | 0 | 2 | 602 V 1 B 502 V 1 B | 000 | Light | Fine without high winds | Dry | 9999 |
|  |  |  |  |  |  |  |  | 308 V 1 B 410 V 1 B |  |  |  |  |  |
| 1697297 | Slight | 10/06/2016 1130 | 287504 | 58910 | 0 | 0 | 1 | 410 V 2 A | 000 | Light | Raining without high winds | Wet/Damp | 219 |
| 1681846 | Slight | 17/06/2016 2327 | 287261 | 59964 | 0 | 0 | 1 | 410 V 1 A 509 V 1 B | 000 | Dark | Fine without high winds | Dry | 9 |
|  |  |  |  |  |  |  |  | 505 V 1 A |  |  |  |  |  |
| 16103653 | Slight | 01/07/2016 1752 | 287237 | 59963 | 0 | 0 | 1 | 808C1A 802C1B | 139 | Light | Fine without high winds | Wet/Damp | 9 |
| 16115842 | Slight | 02/09/2016 1650 | 287910 | 58352 | 0 | 0 | 2 | 406 V 2 A | 000 | Light | Raining without high winds | Wet/Damp | 99 |


| Accidents between dates | $01 / 01 / 2012$ and $31 / 05 / 2017$ | (65) months |
| :--- | :---: | :---: | :---: |
| Selection: |  | Notes: |

Selected using Pre-defined Query : All Injury Accidents

|  |  |  |  | Casualties |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Police Ref. | Acc Class | Date | Time | Grid References | FtI | Ser | Slt |  |
| 16111890 | Slight | $12 / 09 / 2016$ | 2006 | 287261 | 59964 | 0 | 0 | 2 |
|  |  |  |  |  |  |  |  |  |
| 16115077 | Slight | $03 / 10 / 20160800$ | 287473 | 58953 | 0 | 0 | 1 |  |
| 16140622 | Slight | $05 / 12 / 20161724$ | 287334 | 59529 | 0 | 0 | 2 |  |
| 17157267 | Slight | $11 / 01 / 2017$ | 1520 | 287261 | 59964 | 0 | 0 | 2 |
| 17156163 | Slight | $04 / 02 / 20170905$ | 289164 | 58497 | 0 | 0 | 1 |  |
| 17166002 | Slight | $09 / 03 / 2017$ | 1323 | 287261 | 59964 | 0 | 0 | 1 |
|  |  |  |  |  | 1 | 6 | 62 |  |


| Causation Factors/ <br> Prob | Ped <br> L M D | Light |
| :--- | :---: | :--- |
| 306V1A 302V1A | 000 | Dark |
| 405V1A 408V2B |  |  |
| 601V1A 602V1A | 000 | Light |
| 307V1A 501V1B | 000 | Dark |
| 602V1A 405V1A | 000 | Light |
| 406V1A 405V1A | 000 | Light |
| 405V1A 510V1A | 000 | Light |

Weather
Fine without high winds
Fine without high winds
Fine without high winds
Fine without high winds
Fine without high winds
Fine without high winds

| Road <br> Surface | Vehicle <br> Types |
| :--- | :--- |
| Dry | 911 |
| Dry | 91 |
| Dry | 99 |
| Dry | 959 |
| Dry | 91 |
| Dry | 199 |

[^2]
## Appendix E

## Proposed Site Access Junction and Proposed Bus Stop Infrastructure




## Appendix F

Offsite Highway Works










## Appendix G

## Proposed Internal Street Hierarchy



## Appendix H

## Stage 1 Road Safety Audit and Designer's <br> Response

Report Number: KTC/722
Date: 2 ${ }^{\text {nd }}$ October 2017
Prepared by: Julian Bartlett

## $\mathcal{O} \mathbb{B r t r l e t t}^{\text {art }}$ <br> Consulting Ltd <br> UK Company Number 8270647

## INGLEWOOD PAIGNTON; PROPOSED HIGHWAY IMPROVEMENTS

Road Safety Audit
Stage 1

Prepared For:
Key Transport Consultants Limited
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Road Safety Audit Stage 1

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Job Number: 722

Client: Key Transport Consultants Limited

Project: Inglewood, Paigton; Proposed Highway Improvements.

Document Title: Stage 1 Road Safety Audit

Date:
$2^{\text {nd }}$ October 2017

| Issue | Purpose/Status | Prepared by | Checked | Approved | Date |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1st | FINAL | Julian Bartlett | Lyn Jones | Julian Bartlett | October 2017 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

J Bartlett Consulting Ltd has prepared this report in accordance with the instructions of the above named Client for their sole and specific use. Any other persons who may use the information contained herein do so at their own risk.

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2 Issues Raised By This Stage 1 Road Safety Audit ..... 6
3 Issues Outside The Scope Of This Road Safety Audit ..... 11
4 Audit Team Statement ..... 13
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1 INTRODUCTION
1.1 This report results from a Stage 1 Road Safety Audit undertaken by J Bartlett Consulting Limited following a request from Key Transport Consultants. The Audit was carried out during October 2017.
1.2 This Safety Audit considers the highway works proposed in association with the development known as Inglewood located on land south of White Rock, Paignton, TQ4 7BQ, The proposed works include (extract from RSA1 Brief):

- Highway improvements at the A3022 Brixham Road/ Goodrington Road/Long Road junction. Proposals include increasing the length of two lane entry on Goodrington Road and increasing the length of the turning lanes from the A3022 Brixham Road (S) approach, which involves widening the carriageway to the west (drawing 0734-040A).
- A southward extension of the 30 mph speed restriction on the A3022 from the point at which the carriageway changes from one to two lanes in each direction, south of the junction with Kingsway Avenue to the north through to the location at which the existing 30 mph speed restriction commences approximately 130 m southeast of the junction of A3022 Brixham Road with Hunters Tor Drive (drawing 0734-045).
- Improvements to horizontal and vertical visibility at the bend on A3022 Brixham Road in the vicinity of White Rock Primary School (drawings 0734018A and 0734-020A).
- Widening on the A3022 Brixham Road within the vicinity of the site to 7.3 m (drawing 0734-045).
- Proposed signalised Toucan crossing across A3022 Brixham Road (drawing 0734-023B).
- Proposed site access on the A3022 Brixham Road in the form of a four-arm roundabout, at which, Brixham Road forms two arms (drawing 0734-032).
- A new bus loop within the site which will contain new northbound and southbound bus stops (drawing 0734-032).
- Proposed uncontrolled pedestrian crossing across the A3022 Brixham Road utilising the existing traffic island to the north of the ghost island right turn junction with Hunters Tor Drive (drawing 0734-29A).
- Highway improvements at the Windy Corner junction, in addition to those proposed by Torbay Council (TC). TC propose to utilise Bascombe Road to

[^3]Road Safety Audit Stage 1
Consulting Ltd


#### Abstract

allow the realignment of the southbound lane of A379 Dartmouth Road. This is to allow the existing carriageway to be made into two northbound lanes. The additional works proposed by KTC include the reallocation of permitted movements from the Dartmouth Road ( N ) approach, the widening of Brixham Road to two lane entry and the inclusion of two southbound lanes to the south of the junction. The proposed works include adjustment/relocations to the three existing islands within the junction (drawing 0734-044 and Torbay Council proposed plan 8/9/7_01B) and the introduction of space for vehicles waiting to turn right from Dartmouth Road (north) to Brixham Road.


1.3 The audit team comprised the following individuals:

Julian Bartlett
BEng MCIHT FSoRSA
Lyn Jones
HNC, MCIHT, MSoRSA

Road Safety Audit Team Leader

Road Safety Audit Team Member
1.4 Both Julian Bartlett and Lyn Jones hold a Certificate of Competency in Road Safety Audit gained through the education route.
1.5 The following documents and drawings were made available to the Audit Team for this safety audit:

## Drawings

Drawing Number Rev Title

Figure 2 - Site Location Plan

8/9/7_01 B Torbay Council Drg: Windy Corner Junction Improvement Preliminary Design Option 1

0734-018 A On-Line Road Widening On A3022 Brixham Road to 7.3m 70m Forward Visibility

0734-020

0734-023
B Potential Northern Crossing Toucan Crossing

0734-029

0734-032 - Revised Access Layout To Incorporate Two-Form Entry
A Potential Southern Crossing Option 3 - Uncontrolled Crossing Primary School

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0734-040 A Proposed Long Road Junction Improvements

0734-044 - Windy Corner Highway Improvements Option 30734

0734-045 - Summary Of Onsite And Offsite Highway Works

## Documents

1.6 Audit Brief dated 20/09/17.

## Departures

1.7 The RSA brief states 'Widening on the bend in the vicinity of White Rock Primary School to achieve 70m forward visibility. This is one-step below desirable minimum outlined in TD9/93 but would represent a significant improvement over the available existing forward visibility of 50m'.
1.8 The Audit Team undertook a site visit on 2nd October 2017 during the afternoon, outside of peak traffic flow times. It was fine but overcast and the road surface was drying during the site visit. Traffic movements were as expected for the time of day that the Audit Team visited being virtually constant in both directions. One pedestrian and no cycle movements were observed through the extent of the proposed works. It should be noted however that a number of dog walkers were observed using the grassed area near to the Windy Corner junction, none of whom were in close proximity to the road during the site visit.
1.9 The scheme has been examined and this report compiled only about the safety implications for road users of the scheme as presented. It has not been examined or verified for compliance with any other Standards or criteria. However, to clearly explain a safety problem or the recommendation to resolve a problem, the Audit Team may on occasion have referred to a design standard for information only. Any audit comments should not be construed as implying that a technical audit has been undertaken in any respect.
1.10 The terms of reference for the audit are as described in the Highways Agency Design Manual for Roads and Bridges (DMRB), Volume 5, Section 2, HD 19/15 'Road Safety Audit'. The audit has also been undertaken in light of the philosophy
outlined in the CIHT 'Road Safety Guidelines' 2008 Edition. An appropriate brief was received by Audit Team.
1.11 Many schemes of this type have been designed using the philosophy of Manual for Streets and Manual for Streets 2, and this has been accounted for as part of this Road Safety Audit, as appropriate.
1.12 Where reference is made to either traffic signs or road markings within this report, this relates to diagram numbers contained in the Traffic Signs Regulations and General Directions (TSRGD) 2016.
1.13 Any recommendations included within this report should not be regarded as being prescriptive design solutions to the problems raised. They are intended only to indicate a proportionate and viable means of eliminating or mitigating the identified problem, in accordance with HD19/15, and in no way, imply that a formal design process has been undertaken. There may be alternative methods of addressing a problem which would be equally acceptable in achieving the desired elimination or mitigation and these should be considered when responding to this report.
1.14 If issues were identified that are strictly outside the scope of this Road Safety Audit, or could not be classified as likely to increase the risk of crashes occurring, these have been included as Section 3 for completeness. It is also recommended that these are brought to the attention of the highway authority for their consideration if deemed appropriate. A number of issues were also raised by the Audit Team with regard to the information provided on the Torbay Council Drawing 8/9/7_01 Rev B which was provided for information only. These have been raised within covering letter reference 171005/722/L01 for completeness.
1.15 As far as the Audit team are aware no previous stages of road safety audit have been undertaken on the proposals presented for this stage of audit.

## 2 ISSUES RAISED BY THIS STAGE 1 ROAD SAFETY AUDIT

2.1 Problems in this Audit will be identified linearly and by drawing number as an approved alternative to the layout indicated in HD19.

## Drawing Figure 2

2.2 A overall site location plan and the information provided has no bearing in terms of road safety

## Drawing 8/9/7_01 Rev B

2.3 Provided for information only. See also Covering Letter reference 171005/722/L01

Drawing 0734-018 Rev A
2.4 After due and careful consideration, the audit team have been unable to identify any areas of concern in terms of road safety associated with the information portrayed on this drawing for this Stage of Road Safety Audit

## Drawing 0734-020 Rev A

2.5 After due and careful consideration, the audit team have been unable to identify any areas of concern in terms of road safety associated with the information portrayed on this drawing for this Stage of Road Safety Audit.

Drawing 0734-023 Rev B
2.6 After due and careful consideration, the audit team have been unable to identify any areas of concern in terms of road safety associated with the information portrayed on this drawing for this Stage of Road Safety Audit. See also Section 3 below.

## Drawing 0734-029 Rev A

2.7 After due and careful consideration, the audit team have been unable to identify any areas of concern in terms of road safety associated with the information portrayed on this drawing for this Stage of Road Safety Audit. See also Section 3 below

### 2.8 Problem

Location: Proposed roundabout
Summary: Offline roundabout leading to drivers not recognising junction location particularly at night.

The existing highway alignment through the area is relatively straight and visual clues available to drivers confirm this. The proposed roundabout is offline the main alignment and could during certain situations become difficult for drivers to recognise leading to the potential for late braking and overshoot type crashes.


Recommendation
It is recommended that as part of the detailed design vertical features and advanced signing is provided for the main line approach to the junction to aid driver recognition of the roundabout

### 2.9 Problem

## Location: Proposed school parking provision

Summary: Limited parking in close proximity to the roundabout.
The drawings indicate 19 dedicated parent parking spaces plus a dedicated drop off / pick up parking loop. In the experience of the audit team this is insufficient

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to cater for a school of this type particularly at the end of the school day when parents are likely to arrive early and park. This is likely to lead to inappropriate parking either within the carriageway or verge space leading for the potential of queues developing back into the circulatory carriageway and the main site access to become blocked. This in turn could lead to shunt type collisions at the end of the developing queues and or side impact type crashes at the roundabout.

## Recommendation

It is recommended that a full assessment of parking requirements is undertaken in consultation with Torbay Council and parking provision provided to cater for the predicted demand

### 2.10 Problem

Location: Coach parking bay
Summary: No facility has been provided to allow the coach serving the school to turn around in order to access Brixham Road.

The proposals show a bay that is likely to cater for two coaches, however there is no indication as to how the coach will turn to reverse its journey without entering the road to the southwest. No information has been provided with regard to the land use within this area. In the worst-case scenario, the coach may be required to reverse towards the roundabout and undertake a three-point turn using the access road to the north in order to turn. This is likely to increase the potential for collisions with both pedestrians seeking to cross the carriageway
(many of which could be children) and also with other vehicles accessing the area.


## Recommendation

It is recommended that a facility is provided that allows coaches to turn in an appropriate manner and that the coach parking is relocated such that coaches pick up passengers facing towards the roundabout.

### 2.11 See also section 3 below.

## Drawing 0734-040 Rev A

2.12 After due and careful consideration, the audit team have been unable to identify any areas of concern in terms of road safety associated with the information portrayed on this drawing for this Stage of Road Safety Audit. See also Section 3 below.

## Drawing 0734-044 Rev -

2.13 The information provided mirrors the core information provided on Torbay Council drawing 8/9/7_01 Rev B, supplemented with appropriate vehicle swept paths for the critical movements at the junction. After due and careful consideration, the audit team have been unable to identify any areas of concern in terms of road safety associated with the information portrayed on this drawing for this Stage of

# Road Safety Audit. See also Covering Letter reference 171005/722/L01 for Audit Team comments on drawing 8/9/7_01 Rev B. 

Drawing 0734-045 Rev -
2.14 The drawing shows the overall location of each proposed improvement in relation to the existing highway.

3 ISSUES OUTSIDE THE SCOPE OF THIS ROAD SAFETY AUDIT

## Drawing 0734-023 Rev B

3.1 The highway through the area is abutted by hedges and trees which, if retained, will over time grow out to impact on available visibility to and from the toucan crossing. It would be advantageous as part of the detailed design to remove planting within the visibility envelop of the crossing and replace it with a low maintenance alternative. Otherwise the areas should be placed within the annual maintenance programme to ensure that visibility is maintained for all users

## Drawing 0734-029 Rev A

3.2 The highway through the area is abutted by hedges and trees which, if retained, will over time grow out to impact on available visibility to and from the uncontrolled crossing. It would be advantageous as part of the detailed design to remove planting within the visibility envelop of the crossing and replace it with a low maintenance alternative. Otherwise the areas should be placed within the annual maintenance programme to ensure that visibility is maintained for all users.

## Drawing 0734-032 Rev -

3.3 The mechanism by which coaches, parents and teachers access the dedicated parking facilities appears complex and are from different access roads. This could readily lead to driver confusion and inappropriate / illegal movements occurring. It would be advantageous to provide local directional signing to the appropriate parking provision as part of the detailed design
3.4 Effective supervision and management of the school facilities will be required at the start and end of the school day. It may be beneficial to use pedestrian guard railing as part of the detailed design to channel children to appropriate crossing locations rather than allow random crossing movements across the area through parked and manoeuvring vehicles
3.5 It is unclear to the audit team if the proposed roundabout is sufficient to cater for the likely demand generated by a development of this type, particularly when the interactions associated with the school in close proximity to the roundabout are taken into account. The audit team however have assumed that appropriate modelling has been undertaken and that the local highway authority are content with the proposed provision and junction choice.

## Drawing 0734-040 Rev A

3.6 The existing garage to the west of the junction acts as a car and caravan sales forecourt. While there is a historic access to the south it appears that this is little used, however a gap has been retained in the central reserve presumably to allow
movements to and from the southern garage access. As part of the recent highway works through the area potential alternative routes have been developed which would allow for the central reserve gap to be closed permanently removing the risk of conflict with vehicles accessing the garage crossing multiple lanes of high volume traffic. This issue should be brought to the attention of Torbay Council for their action.

Road Safety Audit Stage 1
4 AUDIT TEAM STATEMENT
4.1 We certify that this Audit has been carried out adopting the principles contained in the Highways Agency standard HD 19/15 'Road Safety Audits' and in line with the philosophy outlined in the CIHT 'Road Safety Guidelines' 2008 Edition.

## AUDIT TEAM LEADER

Julian Bartlett BEng MCIHT FSoRSA

Signed:


Contact Details as per record sheet
Date: $6^{\text {th }}$ October 2017

AUDIT TEAM MEMBER

Lyn Jones
Signed


Date: 6 ${ }^{\text {th }}$ October 2017


Specialists in Road Safety, Traffic and Transportation Engineering; Quality, Environment Health \& Safety Management Systems

## Stage 1 Road Safety Audit - Designers Response

| Title | Inglewood, Paignton |  |  |
| :--- | :--- | :--- | :--- |
| Response Prepared by | Felicity Flanagan/Roger Key | RSA Produced by | J Bartlett Consulting Ltd |
| Date | $6^{\text {th }}$ October 2017 | Version | 1.0 |

1. Introduction
1.1. The table below sets out Key Transport Consultants response to each of the problems raised in the Stage 1 Road Safety Audit.

| RSA <br> Problem <br> Reference | Problem <br> Accepted (yes/no) | Recommendation <br> Accepted (yes/no) | Proposed Response to Problem |
| :---: | :---: | :---: | :---: |
| 2.8 | Yes | Yes | Advanced signing and vertical features to aid driver recognition will be included at detailed design stage. |
| 2.9 | Yes | Yes | The RSA1 notes that the proximity of the parking to the roundabout could allow queues of parents to tail back into the circulatory carriageway of the roundabout and lead to an increase in shunt type accidents. This concern is accepted. However, since the RAS1 was commissioned the proposed school has been relocated within the site away from the site access roundabout to the southern end of the site. This will remove any concern about parents' vehicles queueing back onto the roundabout and increasing the risk of accidents. <br> Torbay Council will be consulted again regarding school parking numbers at detailed design stage. <br> (Note: The design team were advised previously by David Pickhaver (Senior Strategy and Project Officer at Torbay Council) in an email dated $9^{\text {th }}$ May 2017 that "the Council would not encourage a large dropping off area, because this would encourage driving and is not a good use of land. However, whilst not a requirement, it would be pragmatic to provide a dropping off point in order to minimise traffic backing up onto main roads and creating neighbourhood conflicts.....Unless my colleagues in Education can advise differently, I would advise that no more than 4 dropping off spaces should be provided". The design team considered this to be an under provision that could generate inconsiderate |

1

| RSA <br> Problem <br> Reference | Problem <br> Accepted (yes/no) | Recommendation <br> Accepted (yes/no) | Proposed Response to Problem |
| :---: | :---: | :---: | :---: |
|  |  |  | parking in surrounding rounds. Therefore, 19 drop-off car parking spaces were provided, as this was considered to better provide for the school's requirements.) |
| 2.10 | Yes | Yes/No | At the time the RSA1 was undertaken the plan provided did not illustrate how coach movements would operate. It had been intended that a coach would enter the site via the northern of the two site arms of the roundabout and park in the coach bay. The coach would then continue south following the Major Access Road loop through the site and re-enter the roundabout via the southern of the two arms of the roundabout. It is accepted that this was not evident from the plan provided. <br> Since the RSA1 was commissioned the school has been relocated to the southern end of the site. It is now proposed that the new coach bay be provided to the east of the school, facing towards the roundabout. The internal road layout will be designed to enable school coaches to approach and depart moving forwards, and to park with the coach door alongside the footway on the school side. There will be no need to provide a turning facility for coaches in the vicinity of the school. |
| 3.1 | Yes | Yes | Removal of the existing planting within the Toucan crossing visibility splays and replacement with a low maintenance alternative will be considered at detailed design stage. If this is not achievable, the areas will be placed within the annual maintenance programme to ensure the visibility splays are maintained. |
| 3.2 | Yes | Yes | Removal of the existing planting within the uncontrolled pedestrian crossing visibility splays and replacement with a low maintenance alternative will be considered at detailed design stage. If this is not achievable, the areas will be placed within the annual maintenance programme to ensure the visibility splays are maintained. |
| 3.3 | Yes | No | Since the RSA1 was commissioned the school location within the site and parking provision have been updated. Consequently, the scope for confusion at the site entrance roundabout has been removed. <br> Teachers and parents will be regular visitors and will not need signage to guide them to their destinations. |
| 3.4 | Yes | Yes | Pedestrian guard railing will be considered in the vicinity of the school at detailed design stage. |


| RSA <br> Problem <br> Reference | Problem <br> Accepted <br> (yes/no) | Recommendation <br> Accepted <br> (yes/no) | Proposed Response to Problem |
| :---: | :---: | :---: | :---: |$\quad$| Yes |
| :---: |
| 3.5 |

## Appendix I

Stagecoach South West Bus Provision Letter
$21^{\text {st }}$ October 2017

## Roger Key

Executive Director
Key Transport Consultants
26 Berkeley Square
Clifton
BRISTOL
BS8 1HP

Dear Roger

Matford Park Depot Matford Park Road Matford Business. Park Exeter EX2 8FD

T 01392531670
F 01392531676


## Without prejudice and Subject to Contract Land off Brixham Road, South of Whiterock ("Inglewood"), Paignton Devon: Proposed Public Transport Strategy

I write with regards to the approach and discussions we have had with yourselves, over an extended period, concerning a pending application in outline for up to 400 dwellings, with a further 2-for entry primary school and family pub, at Land off Brixham Road, south of Whiterock, Paignton, known as Inglewood.

Stagecoach South West recognises that the wider immediate area to the north has been the subject of recent development consents, many of which are now well on into construction.

The site lies at some distance from our existing regular commercial bus services, which in the main serve either stops at the South Devon College, some distance to the north, or within Goodrington at Gibson Drive and Hunters Tor Drive at all times lying over 500m east of the site, which suffer additionally from being on the far side of Brixham Road. While we note and welcome that pedestrian and cycle crossing facilities will be provided as part of the proposed access arrangements, it would clearly be preferable if bus services could be provided directly to the site, if bus services are to be sufficiently attractive to generate the maximum potential mode share, having regard to the location to the site and its context.

I confirm that we have been fully consulted on access arrangements for buses and on bus stopping arrangements, and that the proposals to be submitted have been agreed as representing the optimal solution when all influences and constraints are considered.

We have spent some time to consider the way in which we can alter our network in order to submit proposals for a solution that represents the best possible bus service option having regard to the likely destinations that would be sought from the site, while providing the best possible frequency on a single, logical and reasonably direct service. We have fully evaluated a range of options involving alterations to the network. Having regard to that solution which is most likely to prove to attract the highest amount of patronage in the round, and contain the additional operating
resources required, we have concluded that extension or diversion of service 23 to the site represents the solution that at the same time achieves the greatest impact on mode share, and is most likely to become commercially sustainable at the end of a support period as a result.

Service 23 provides an important facility to South Devon College at peak times, and enjoys an enhanced peak frequency as a result. Adding a significant additional outbound peak flow will serve longer term to help sustain, and we trust enhance, the overall level of service provided between Paignton and SDC on the corridor served. We must stress that in serving the area, we need to ensure existing peak flows into the SDC are not compromised. Thus, the precise routing strategy serving the development, and in all probability offering a better facility to that under construction to the north at Whiterock, will need to be established in due course.

It is readily apparent that adding a bus to the operating cycle of service 23 would allow diversion or extension of the route to the site. Such a level of resource would be able to provide as a minimum, a 30 -minute frequency from the site throughout the day. It is quite likely that an enhanced level of peak service could be provided of up to every 20 minutes, subject to sufficient demands being sustained at the SDC site or as otherwise might arise from committed development to the north, at the former Nortel site adjacent to SDC, for example.

Service 23 provides a link to Paignton Town Centre along a route that reasonably closely approximates to one that a motorist would seek. It also directly serves the bus station offering a range of frequent connections including the very frequent Route 12 to Brixham, Torquay and beyond to Newton Abbott; and the half-hourly Gold service to Totnes and Plymouth. Opposite is Paignton railway station at which longer distance connections, including to Exeter and beyond, can be accessed. In terms of relevance and marketability, such a service would be radically better than the current offer from the site's immediate area, and could credibly achieve a peak bus mode share for bus of at or around 4-7\%, which would compare with most parts of the Torbay Urban Area quite favourably.

However, notwithstanding this, the additional traffic this proposal would be likely to generate from the site, which is relatively modest in scale, would need the stimulation of bus ridership from the wider area to be sustainable in the longer term. We see that alongside the major commitments at Whiterock and Nortel, there is a wider hinterland that today is poorly served by bus, from which the diverted or extended service could be expected to stimulate demand in the foreseeable future. We have agreed a revenue support proposal with you that we believe gives the strongest possible chance that the provision can develop traffic sufficient to become commercially sustainable, or, at the very least, give time for a more comprehensive network adjustment to deliver an equivalent level of service to this and nearby areas in the longer term.

We therefore propose to altering or extend service 23 to serve the bus stop to be provided on-site, based on adding a single peak vehicle resource between 0700-1900h Monday-Saturday on the route, providing as a minimum a 30 minute frequency either terminating at the site; or diverting to serve it en-route to a terminus elsewhere. We would expect that in reality a 20 -minute frequency would be operated at peak times.

We have submitted costs for this to you and we are pleased that you and your client are agreeable that the proposed package and funding is appropriate and meets the requirements of CIL Regulation 122.

We would respectfully submit that the strategy outlined would be the most credibly effective at both providing a credible mode choice for many local journeys, and mitigating the traffic impacts arising from the Site than the others we have considered; and thus more relevant to planning. The costs to your client have been calculated to assume the highest level of revenue generation that we can prudently foresee at this time, thus meeting the tests of reasonableness in CIL Regulation 122.

Stagecoach proposes that the strategy outlined above is most appropriately and cost-effectively procured and delivered against a service level agreement set out in the Planning Obligation Deed, with the agreed funding sum being set out within it as a capped funding budget. This is especially important in that Torbay Council no longer has a budget for procuring public transport services.

I trust that the foregoing assists you in demonstrating the clear deliverability of the site, including the scope for public transport to provide the most attractive possible option for local travel. I remain in the meantime
yours sincerely,


Head of Strategic Development and the Built Environment (South)


[^0]:    Registered to: Torbay Council

[^1]:    VEH2 WAS DRIVING TOWARDS TOWN CENTRE WHEN THEY CAME TO A STATIONARY POSITION. VEH1 WAS DRIVING BEHIND VEH2 AND WAS CHECKING THEIR REAR VIEW MIRROR, WHEN THEY LOOKED BACK TO THE ROAD THEY REALISED THEY WERE TOO CLOSE TO VEH2 AND IMMEDIATELY APPLIED THE BR EAKS. VEH1 DIDNT MANAGE TO STOP IN TIME AND HIT VEH2.

[^2]:    Total number of accidents listed:

[^3]:    Specialists in Road Safety, Traffic and Transportation Engineering; Quality, Environment Health \& Safety Management Systems

