

Vehicle Travel Speeds and The Incidence of Fatal Pedestrian Collisions

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Volume II

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Abstract

The aim of this study by the NHMRC Road Accident Research Unit was to estimate the likely effect on pedestrian fatalities of a reduction in vehicle travelling speed. Results were based on detailed investigations of 176 fatal pedestrian collisions in the Adelaide area between 1983 and 1991. Estimates were developed for a range of speed reduction scenarios. The study found that a reduction of 5 km/h in vehicle travelling speeds in the Adelaide area could be expected to result in a reduction of 30% of the incidence of fatal pedestrian collisions. Under this scenario 10% of collisions would have been avoided altogether. Volume I of this report contains detailed findings for each speed reduction scenario along with a description of the method used and supporting references. Volume II contains the details of all 176 cases.

Keywords

Pedestrian, Speed, Collision, Impact, Speed reduction, Fatality, Vehicle.

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Table of Contents

Volume I

Volume II

Preface	iv
Section 1 - Analysed Cases	
Cases in chronological order	
1 pedestrian involved	1
2 pedestrians involved	267
3 pedestrians involved	275
Section 2 - Cases not suitable for analysis	277
Index	351

PREFACE

This volume is the second of two volumes that make up the report, **Vehicle Travel Speeds and the Incidence of Fatal Pedestrian Accidents**, prepared by the NHMRC Road Accident Research Unit for the Federal Office of Road Safety. Volume I contains details of the study in which 176 case studies of pedestrian fatalities, which occurred in the Adelaide metropolitan area between 1983 and 1991, were analysed to estimate the likely effects of a reduction in travelling speed, of the accident involved vehicles, on the outcome of those accidents.

This volume contains the case details of all 176 accidents. Section 1 contains details of accidents in the sample which were suitable for the analysis, as described in Volume I of this report. Section 2 contains the details of accidents which were not suitable for the travel speed analysis.

Following section 2 is an index, grouping the accident Case Numbers into categories of interest.

Case Details

<i>Case Number</i>	83 - H002	<i>Calculation type</i>	2.1
<i>Date of Accident</i>	Monday, June	<i>Time</i>	10 am
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	71 km/hr	<i>Travel Speed Source</i>	Skid marks
<i>Impact Speed</i>	54 km/hr	<i>Impact Speed Source</i>	Skid marks

Pedestrian Details

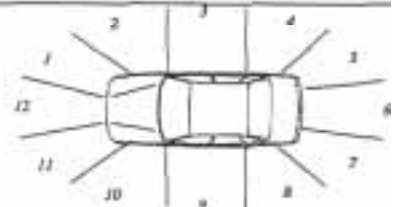
<i>Fatal</i>	Yes
<i>Age</i>	81
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	43
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	25 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked before impact

Impact Vehicle Details

<i>Vehicle Model</i>	1974 Holden Torana sedan	<i>Impact Point</i>	12
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

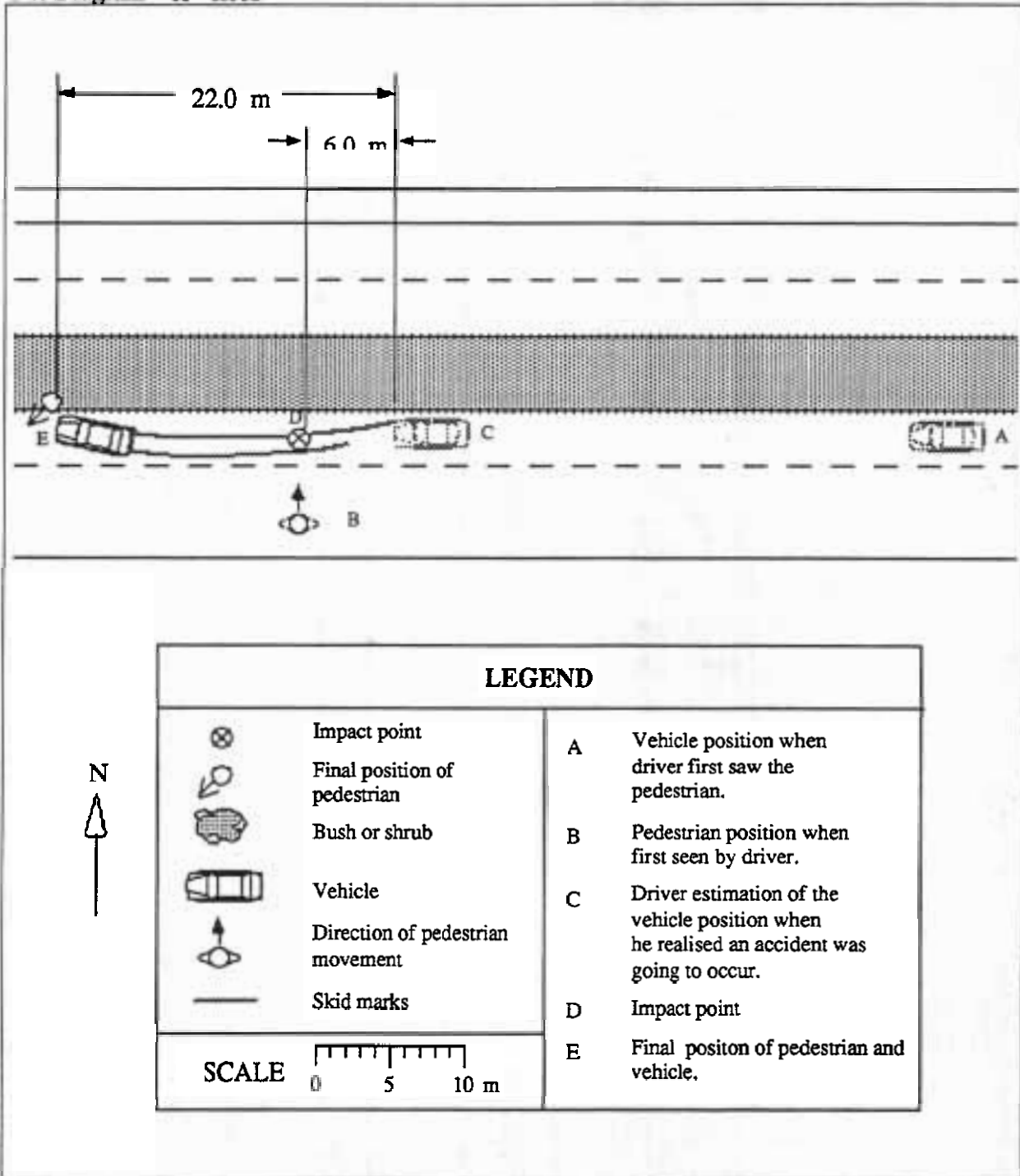


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Raised median strip		

Reduced Travel Speed Analysis

	5 km/hr	10 km/hr	10%	20%
Travel Speed (km/hr)	66	61	64	57
Impact Speed (km/hr)	43	29	38	7



Accident Description

The car was travelling at about 71 km/hr in a westerly direction. The driver stated that he first saw the pedestrian about 30 to 40 metres away at point B in the middle of the left lane. At this time, his vehicle was at point A. The pedestrian was crossing in a northerly direction. The driver then took his eyes off the road to check his rear vision mirror. When he glanced back (at point C) the pedestrian was right in front of his car. The driver then braked and collided with the pedestrian at point D. The front right centre of the car struck the right hand side of the pedestrian. The pedestrian was then struck on his head and shoulder by the upper surface of the bonnet of the car. The pedestrian was carried along on the bonnet of the vehicle and finally fell off to the right side.

Case Details

<i>Case Number</i>	83 - H004	<i>Calculation type</i>	1
<i>Date of Accident</i>	Tuesday, July	<i>Time</i>	5 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	50 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	50 km/hr	<i>Impact Speed Source</i>	Driver

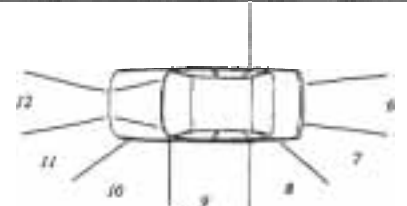
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	11
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

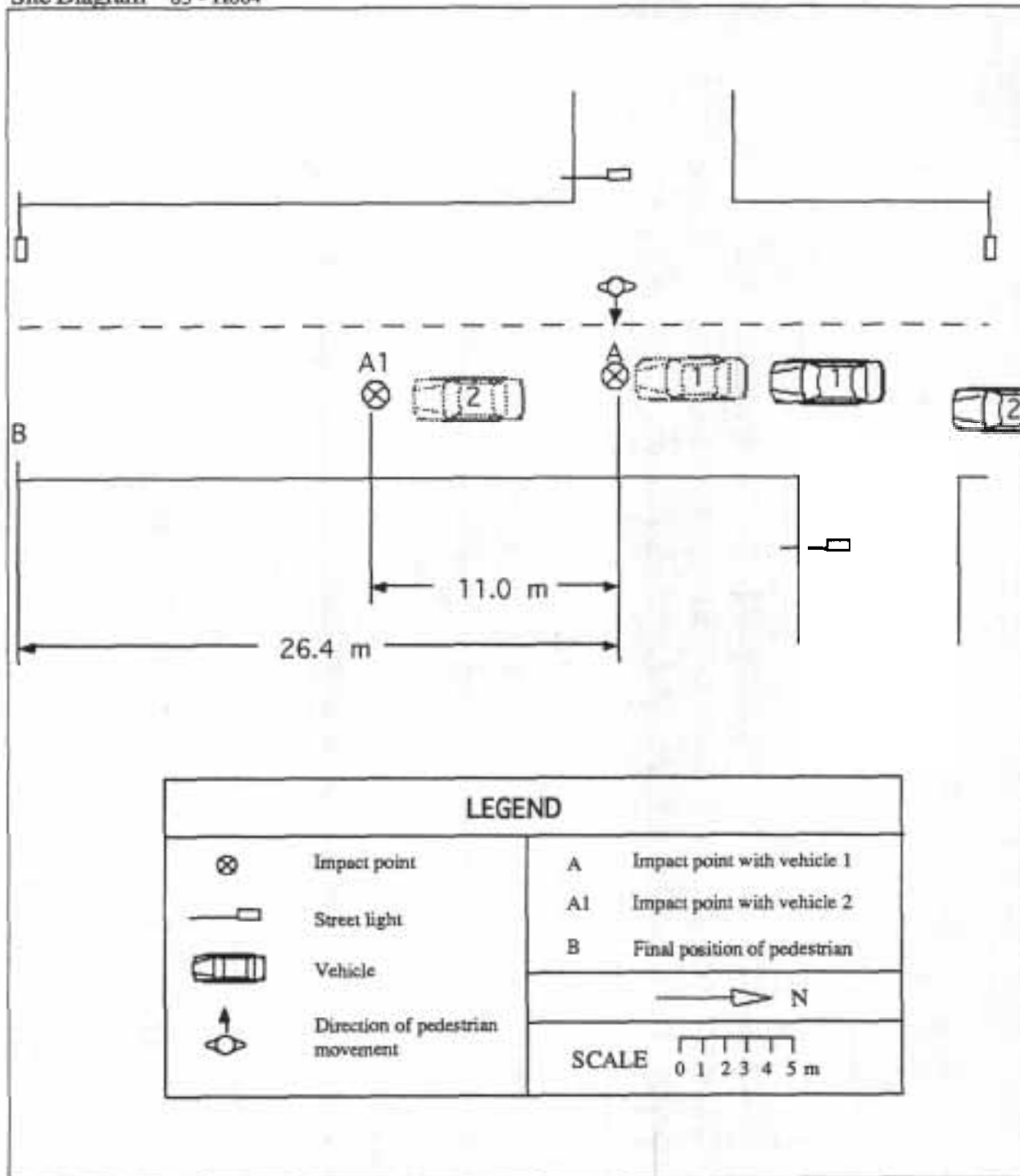
<i>Age</i>	20
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	4 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked after impact

Vehicle Model 1976 Volkswagen Golf sedan



Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	45	40	45	40
Impact Speed (km/hr)	45	40	45	40



Accident Description

An 11 year old female pedestrian was struck while crossing the road in a easterly direction. Two vehicles travelling in a southerly direction were involved. Point A indicates the point of impact between the first vehicle (a Volkswagen Golf sedan travelling at 50 km/hr) and the pedestrian. The pedestrian was struck on the left side by the centre front of the Volkswagen and then was thrown over the vehicle, coming to rest at point A1. The second vehicle (a Ford Fairlane travelling about 60 km/hr) then ran over the pedestrian at point A1. The pedestrian finally came to rest at point B. The driver of the Volkswagen (Vehicle 1) stated that he did not see the pedestrian at any stage before the impact. From a witness statement, the driver of the Ford Fairlane (Vehicle 2) braked and collided with the pedestrian at about 15 to 20 km/hr.

Case Details

<i>Case Number</i>	83 - H005	<i>Calculation type</i>	2.1
<i>Date of Accident</i>	Sunday, July	<i>Time</i>	7 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	71 km/hr	<i>Travel Speed Source</i>	Skid marks
<i>Impact Speed</i>	63 km/hr	<i>Impact Speed Source</i>	Skid marks

Pedestrian Details

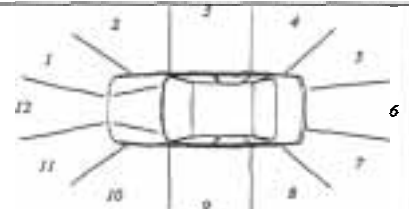
<i>Fatal</i>	Yes
<i>Age</i>	27
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	26
<i>Sex</i>	Male
<i>BAC Driver</i>	0.12 %
<i>Driving Experience</i>	10 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked after impact

Impact Vehicle Details

<i>Vehicle Model</i>	1975 Chrysler sedan	<i>Impact Point</i>	12
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

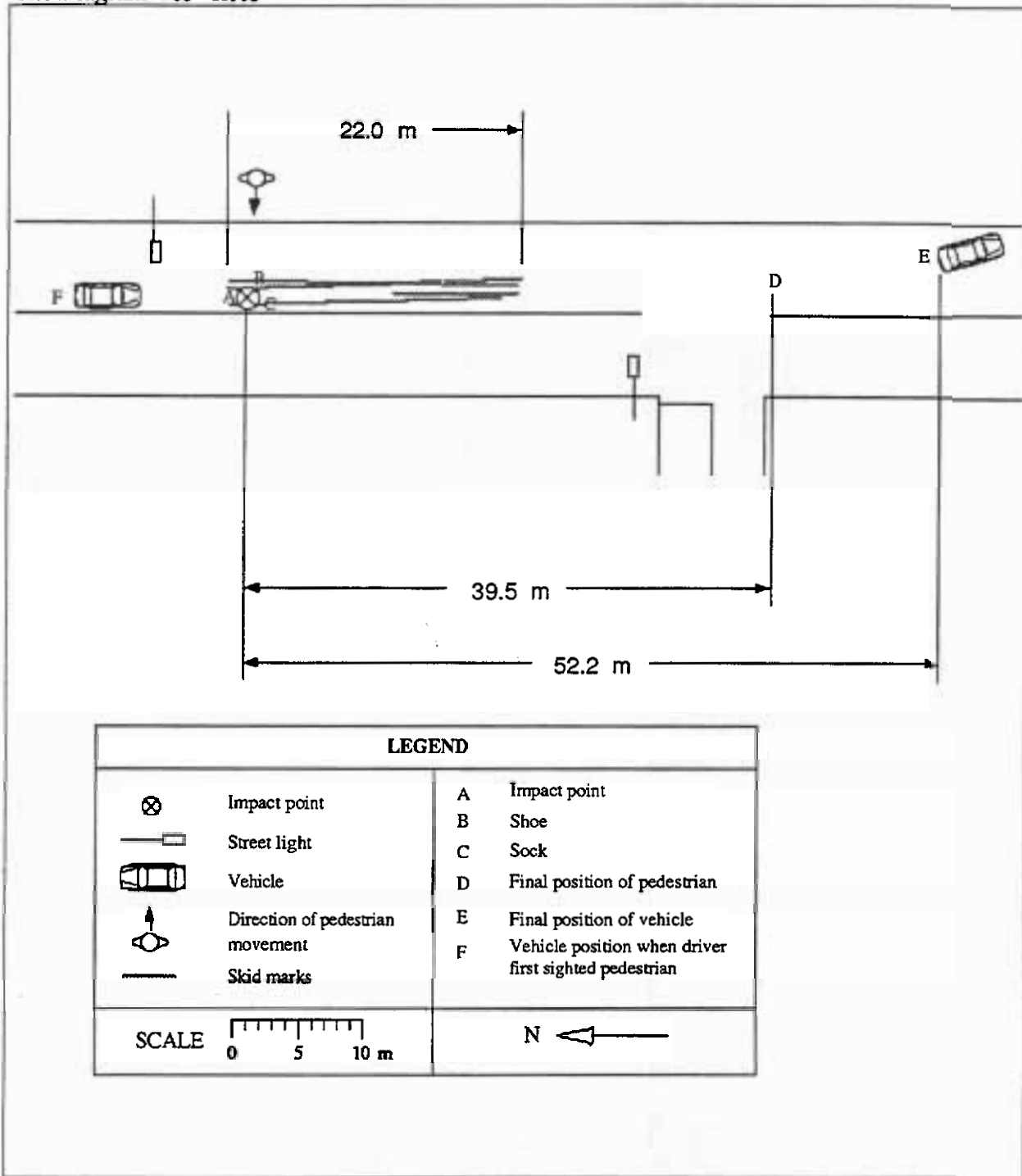


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Other main traffic route
<i>Traffic Conditions</i>	Light		
<i>Weather Conditions</i>	Fine, dry road	<i>Road Alignment</i>	Straight
<i>Number of Lanes</i>	1	<i>Natural Lighting</i>	Night
<i>Road Division</i>	Centre line	<i>Street Lighting</i>	Street lights

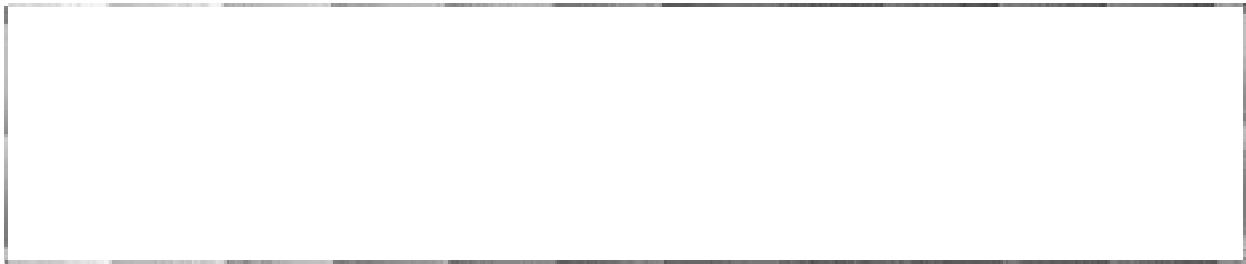
	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	66	61	64	57
Impact Speed (km/hr)	53	39	47	24

Site Diagram 83 - H005



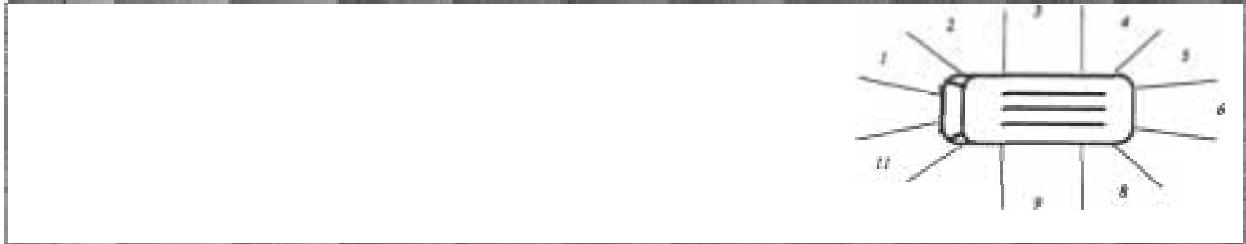
Accident Description

The car was travelling in a southerly direction at about 71 km/hr, when the driver saw a pedestrian running in a westerly direction (he estimated that the pedestrian was only 10 to 20 feet from the front of his car). He immediately applied the brakes and tried to swerved to the left, but collided with the pedestrian at approximately point A (located by a shoe and a sock at points B & C respectively). The centre right of the car collided with the right hand side of the pedestrian, who rolled up onto the top of the bonnet before falling from the right side of the car and coming to rest at point D. The driver moved the car after braking and stopped at point E.



Fatal Yes
Age 59
Sex Male
BAC Pedestrian 0 %
Action Walking
Movement Crossing the road
Side Impacted Left side to vehicle

Age 21
Sex Male
BAC Driver Unknown
Driving Experience 4 years
Licence Type Full
Driver Action Attempted to swerve

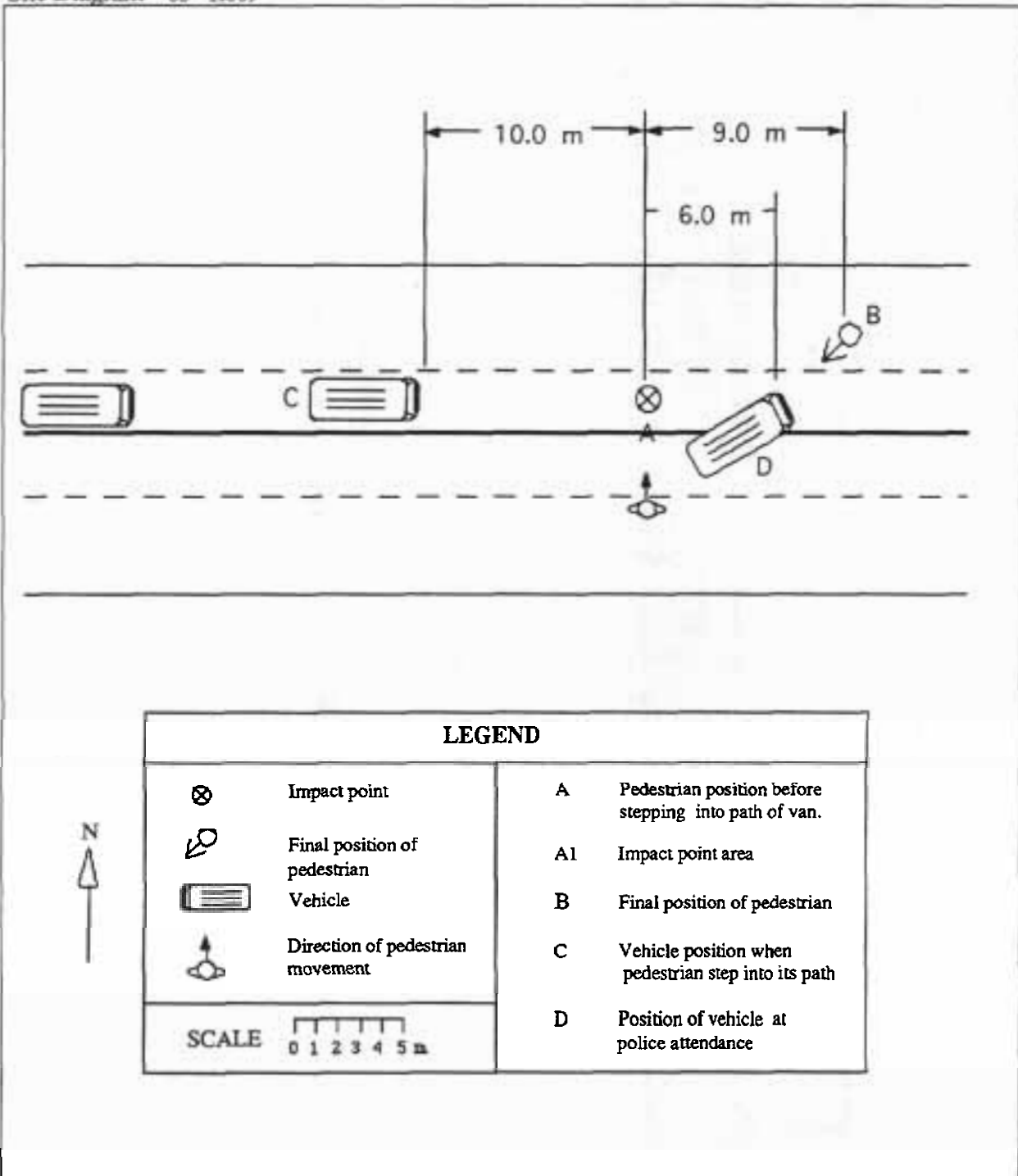


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Centre line		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	17	0	8	0



Accident Description

The driver of a Suzuki van was travelling east, in the right lane of a dual lane carriageway, at about 60 km/hr. The driver saw a pedestrian standing in the centre of the road at point A, some distance from him (actual distance unknown). The pedestrian remained stationary as the vehicle approached, occasionally looking to right and left. There was no other traffic in the immediate vicinity. When the vehicle was about 10 metres from the pedestrian, the pedestrian suddenly took two large steps and walked directly into the path of the van at point A1. The driver swerved but was unable to avoid hitting him. The pedestrian was thrown ahead of the van and came to rest at point B.

Case Details

<i>Case Number</i>	83 - H012	<i>Calculation type</i>	3.1
<i>Date of Accident</i>	Friday, August	<i>Time</i>	8 pm
<i>Speed Limit</i>	110 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	100 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	83 km/hr	<i>Impact Speed Source</i>	Projection distance

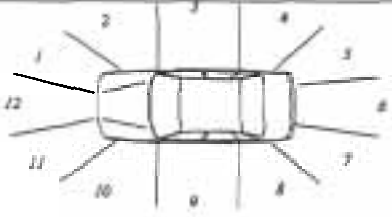
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	15
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	32
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	16 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked after impact

Impact Vehicle Details

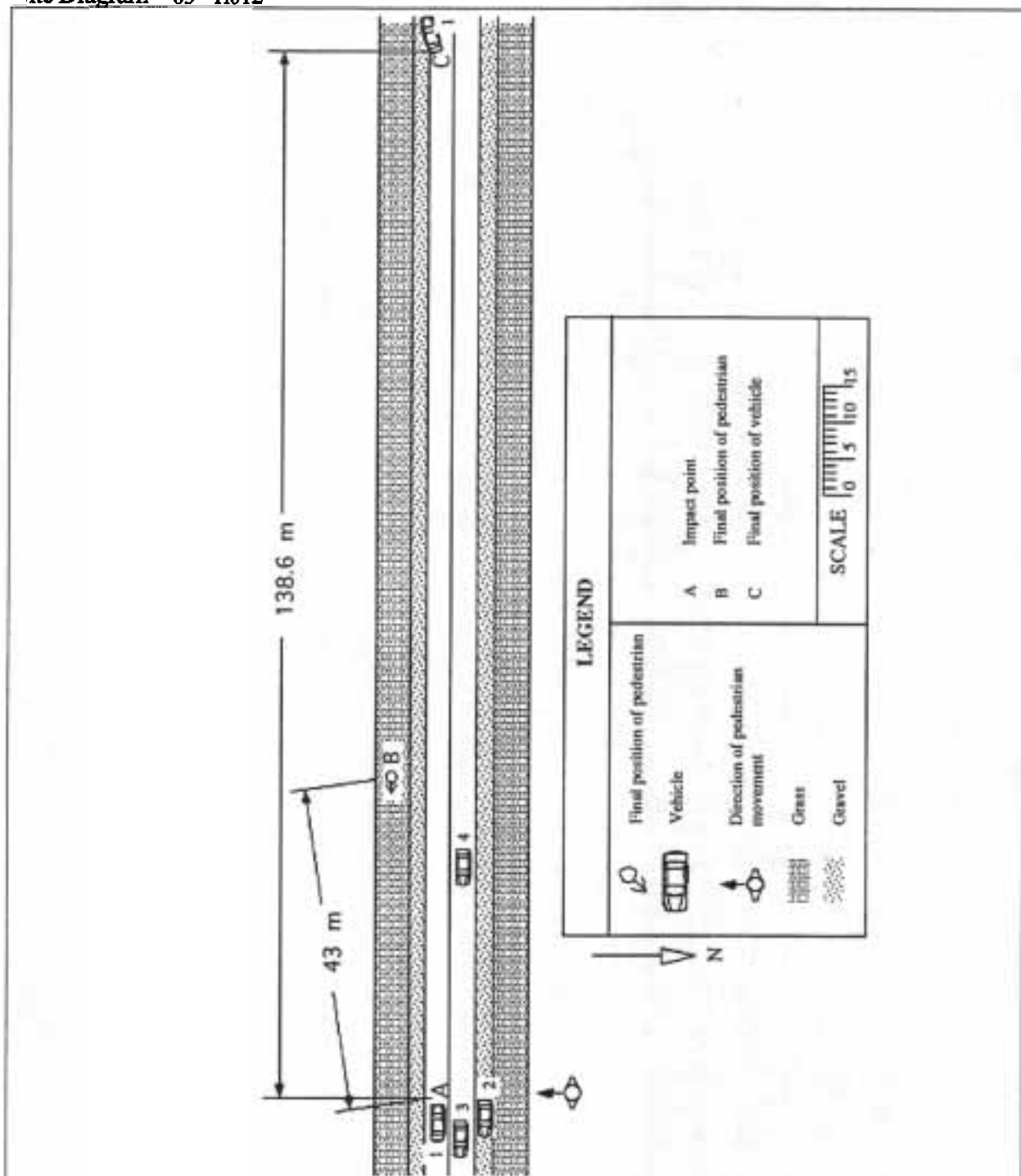
<i>Vehicle Model</i>	1981 Holden Gemini sedan	<i>Impact Point</i>	11	
<i>Type</i>	Car			
<i>Number Involved</i>	1			
<i>Modifications</i>	None			

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	None
<i>Road Division</i>	Centre line		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	95	90	90	80
Impact Speed (km/hr)	73	62	62	31



Accident Description

Vehicle 1 was travelling in a westerly direction at about 100 km/hr. The pedestrian alighted from vehicle 2 parked on the northern verge of the road and ran south across the road behind the east-bound vehicle 3. The driver of vehicle 1 saw 'an object' (the pedestrian) move from north to south in front of his vehicle. Vehicle 1 then collided with the pedestrian at point A. The front left hand side of the bonnet struck the left side of the pedestrian causing her to roll up and impact the windscreen and fall off the left side coming to rest at point B. The vehicle continued and stopped at point C.

BLANK

**(CASE OUTSIDE THE ADELAIDE STATISTICAL DIVISION - CASE REMOVED
FROM SAMPLE)**

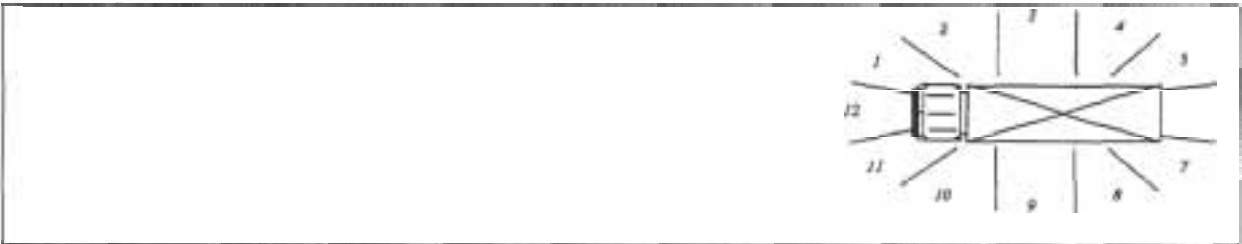
BLANK

**(CASE OUTSIDE THE ADELAIDE STATISTICAL DIVISION - CASE REMOVED
FROM SAMPLE)**



<i>Fatal</i>	Yes
<i>Age</i>	22
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Standing
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

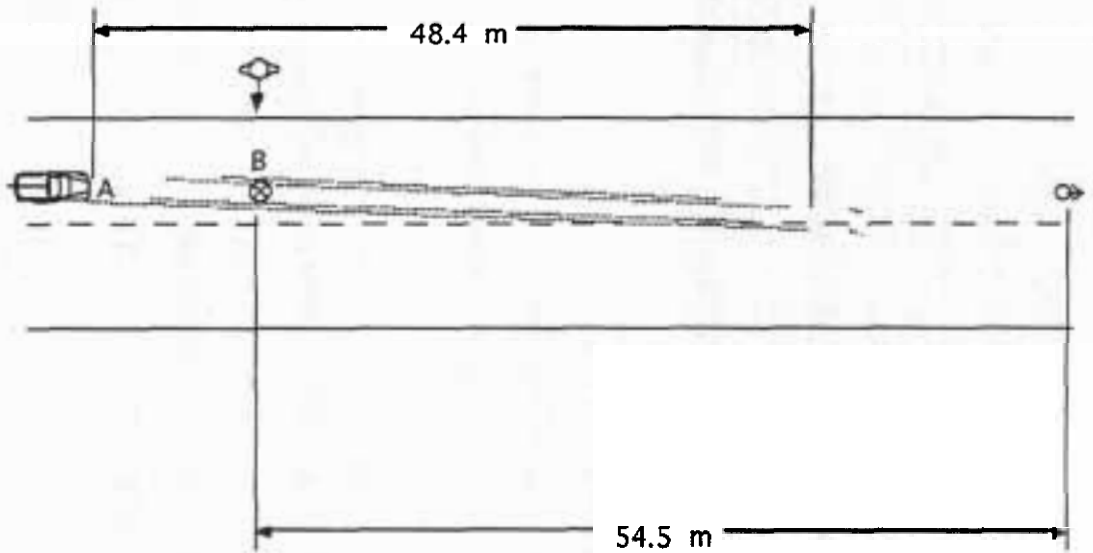
<i>Age</i>	28
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	6 years
<i>Licence Type</i>	Full Tow Truck
<i>Driver Action</i>	Braked before impact



Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Centre line		

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	81	76	77	68
Impact Speed (km/hr)	59	50	53	35



LEGEND	
	Impact point
	Final position of pedestrian
	Vehicle
	Direction of pedestrian movement
	Skid marks
A	Vehicle position when driver applied brakes
B	Impact point
C	Final position of pedestrian
SCALE	
N	

Accident Description

The truck was travelling at about 86 km/hr in a southerly direction. The driver saw the pedestrian step from and return to the eastern kerb, then turn and run in a westerly direction in front of the vehicle. The driver applied the brakes at point A and struck the pedestrian at point B. The front of the right fender struck the pedestrian on the right hand side and he was thrown forward onto the road and dragged along under the truck, possibly being run over by the left rear wheel. The pedestrian came to rest at point C and the truck stopped at point D.

Case Details

<i>Case Number</i>	84 - H014	<i>Calculation type</i>	2.1
<i>Date of Accident</i>	Thursday, June	<i>Time</i>	1 am
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	46 km/hr	<i>Travel Speed Source</i>	Skid marks
<i>Impact Speed</i>	46 km/hr	<i>Impact Speed Source</i>	Skid marks

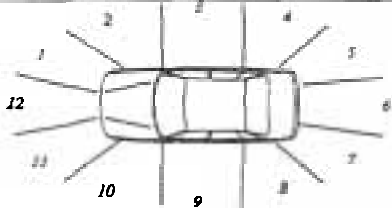
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	18
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.248 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	38
<i>Sex</i>	Male
<i>BAC Driver</i>	0.17 %
<i>Driving Experience</i>	18 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked before impact

Impact Vehicle Details

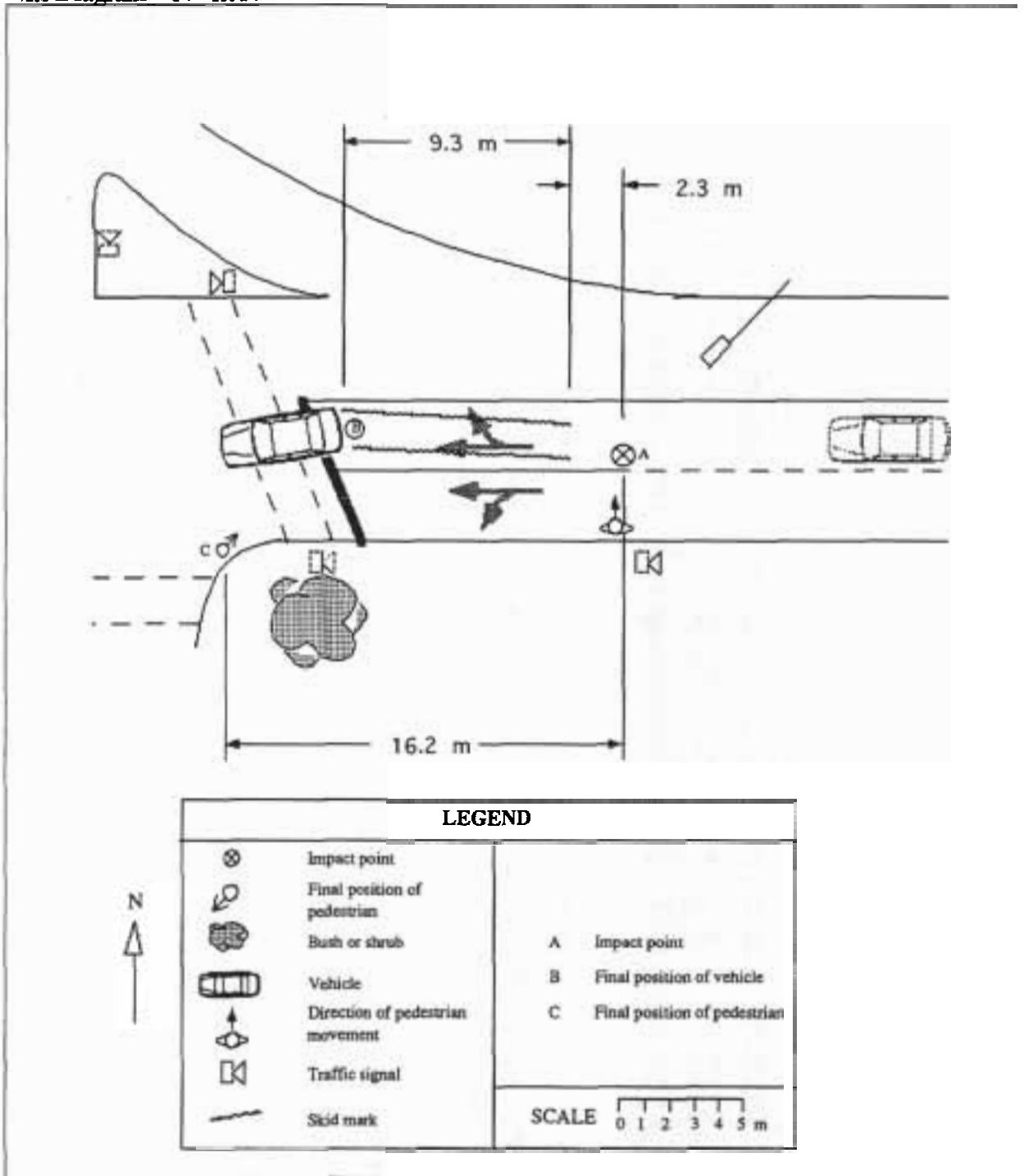
<i>Vehicle Model</i>	1983 Holden Statesman sedan	
<i>Type</i>	Car	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	Traffic signal at intersection	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Not applicable
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Centre line		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	41	36	41	37
Impact Speed (km/hr)	30	0	31	0



Accident Description

The car was travelling at about 46 km/hr in a westerly direction in the right hand lane. When the driver first saw the pedestrian he was in line the left front corner of the vehicle, entering the right hand traffic lane. The driver braked hard but the car collided with the pedestrian at point A. The front of the left fender struck the pedestrian's right hand side. The pedestrian then struck the windscreen before rolling off and coming to rest at point C. The car came stopped at point B.

Case Details

<i>Case Number</i>	84 - H015	<i>Calculation type</i>	1
<i>Date of Accident</i>	Saturday, June	<i>Time</i>	12 am
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	60 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	60 km/hr	<i>Impact Speed Source</i>	Driver

Pedestrian Details

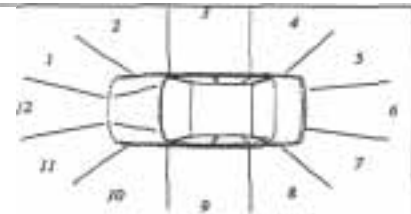
<i>Fatal</i>	Yes
<i>Age</i>	42
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.308 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	Unknown
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	18 years
<i>Licence Type</i>	Full Taxi
<i>Driver Action</i>	No evasive action

Impact Vehicle Details

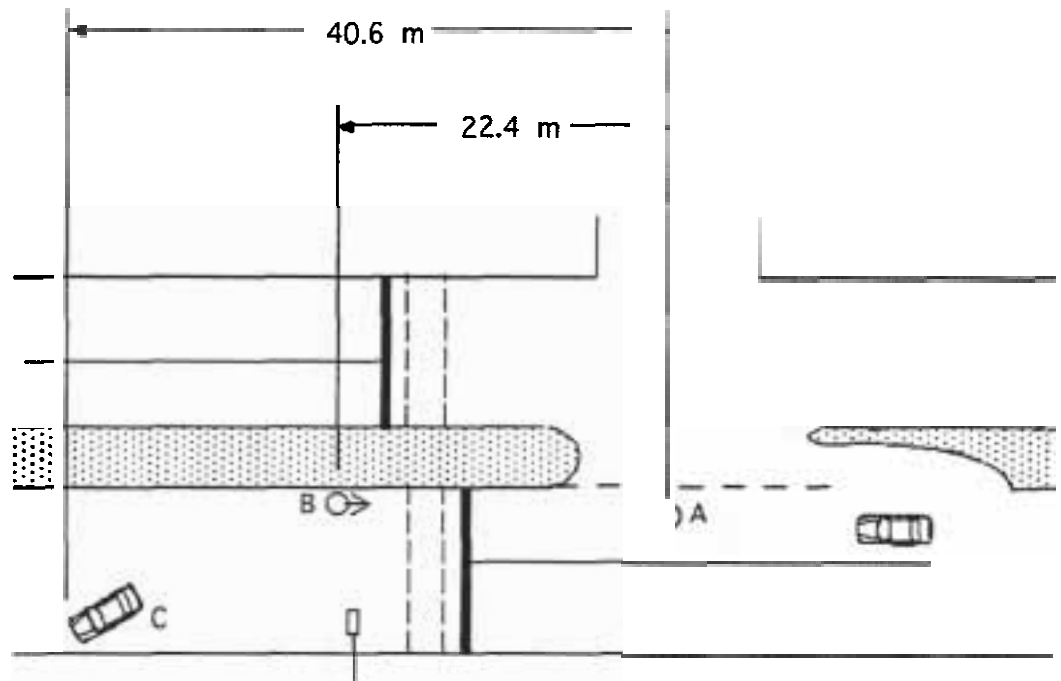
<i>Vehicle Model</i>	1981 Ford Falcon sedan	<i>Impact Point</i>	1
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		



Road Site Details

<i>Traffic Control</i>	Pedestrian operated traffic signals	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Raining	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Raised median strip		

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	55	50	54	48



LEGEND			
	Impact point	A	Impact point
	Final position of pedestrian	B	Final position of pedestrian
	Street light	C	Final position of vehicle
	Vehicle	SCALE	
	Direction of pedestrian movement	N	

Accident Description

The car was travelling at 60 km/hr in a northerly direction in the right lane. The driver felt a thump and realised he had hit a pedestrian. It was assumed that the pedestrian was walking in an easterly direction crossing the road. The impact occurred at an intersection south of a school crossing (point A). The front of the right fender struck the pedestrian, who then struck the top of the bonnet before falling from the right hand side and came to rest at point B. The car continued on and stopped at point C.

Case Details

<i>Case Number</i>	84 - H019	<i>Calculation type</i>	1
<i>Date of Accident</i>	Friday, June	<i>Time</i>	10 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	50 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	50 km/hr	<i>Impact Speed Source</i>	Driver

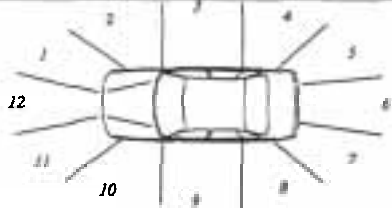
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	75
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	23
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	2 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	No evasive action

Impact Vehicle Details

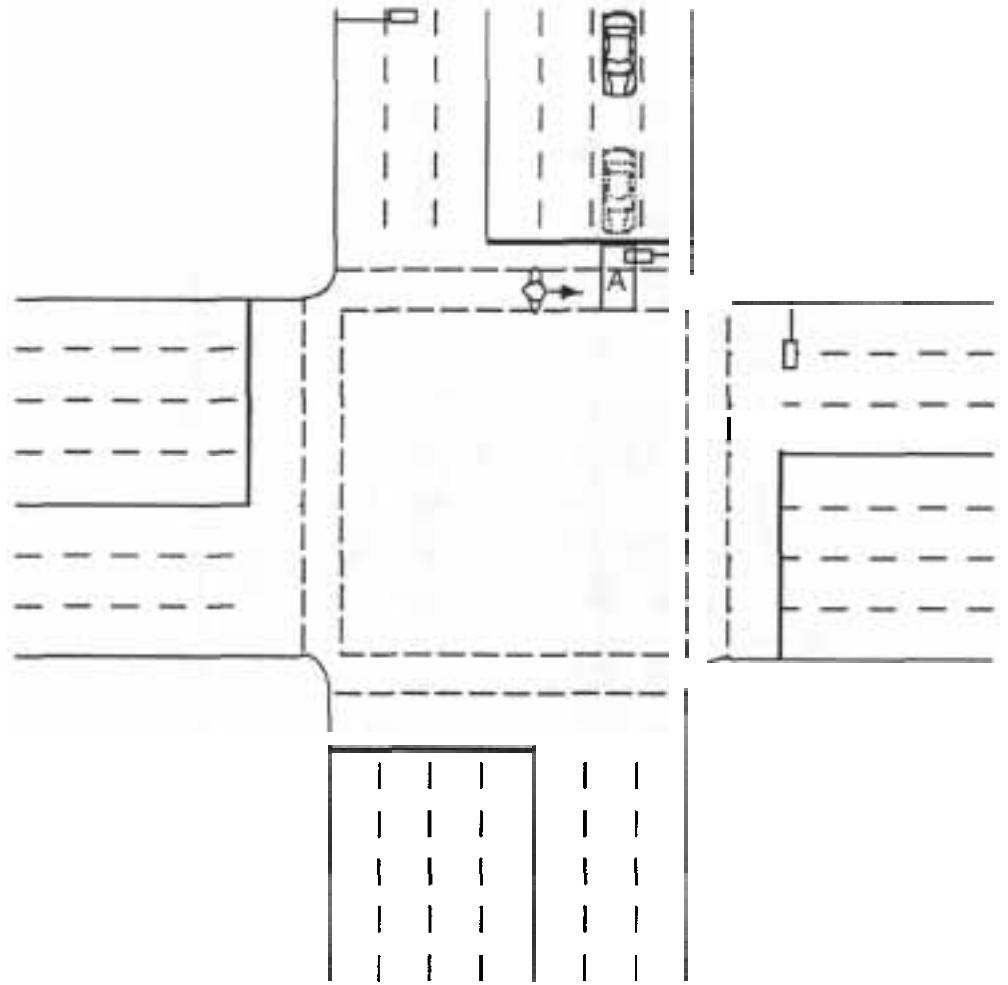
<i>Vehicle Model</i>	1978 Chrysler sedan	<i>Impact Point</i>	11	
<i>Type</i>	Car			
<i>Number Involved</i>	1			
<i>Modifications</i>	None			




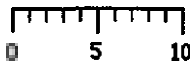
Road Site Details

<i>Traffic Control</i>	Traffic signal at intersection	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	4	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Centre line		

Reduced Travel Speed Analysis

	5 km/hr	10 km/hr	10%	20%
Travel Speed (km/hr)	45	40	45	40
Impact Speed (km/hr)	45	40	45	40



LEGEND	
 Vehicle	A Area of impact
 Direction of pedestrian movement	
 Street light	SCALE  0 5 10 m

Case Details

<i>Case Number</i>	84 - H023	<i>Calculation type</i>	1
<i>Date of Accident</i>	Friday, July	<i>Time</i>	1 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	60 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	60 km/hr	<i>Impact Speed Source</i>	Driver

Pedestrian Details

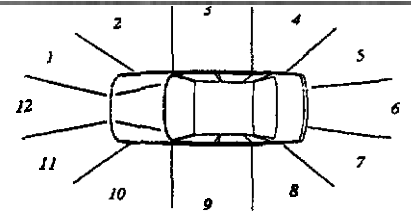
<i>Fatal</i>	Yes
<i>Age</i>	79
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	24
<i>Sex</i>	Female
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	7 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	No evasive action

Impact Vehicle Details

<i>Vehicle Model</i>	1975 Holden Gemini sedan	<i>Impact Point</i>	12
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

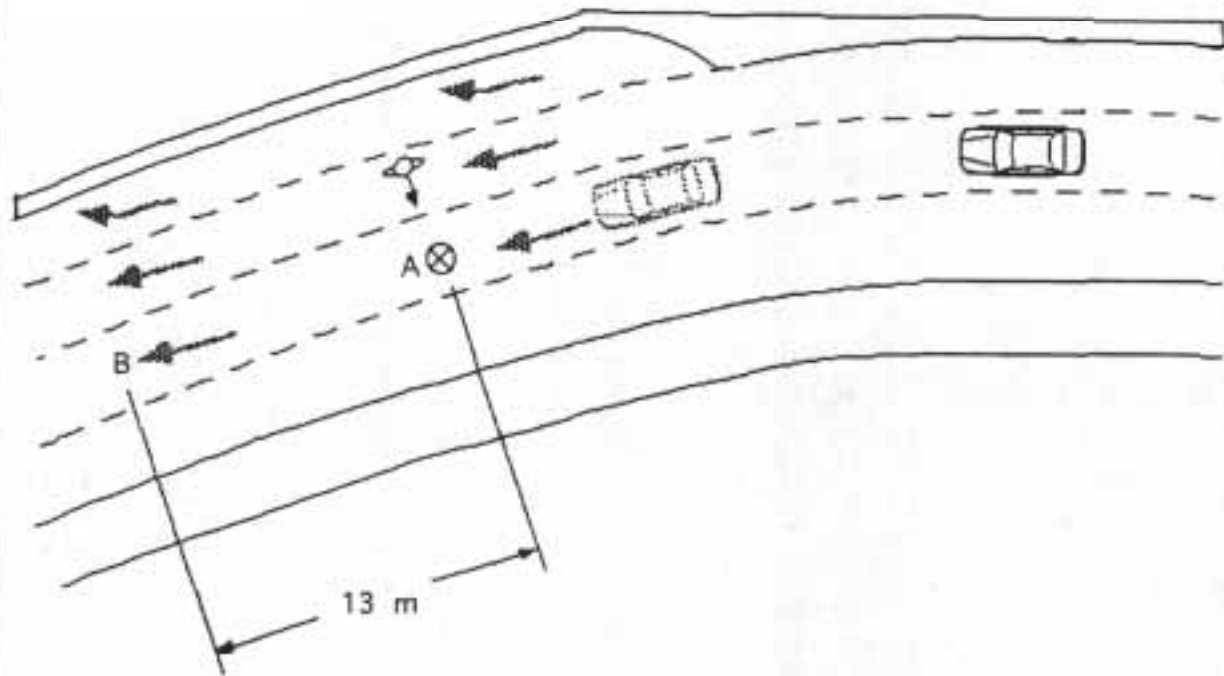


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Heavy	<i>Road Alignment</i>	Curved
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	3	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Raised median strip		

Reduced Travel Speed Analysis

	5 km/hr	10 km/hr	10%	20%
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	55	50	54	48



LEGEND	
	Impact point
	Vehicle
	Direction of pedestrian movement
A	Impact point
B	Approximate point where pedestrian came to rest after collision
SCALE 0 1 2 3 4 5 m	

Accident Description

The car was travelling in a south westerly direction at a speed of around 60 km/hr in the second lane from the southern side of the road. The pedestrian was crossing in a south easterly direction. The driver stated that she did not see the pedestrian prior to the collision. Traffic conditions at the time were heavy and approximately 40 metres south west of the accident scene is an intersection with traffic signals for the movement of both vehicular and pedestrian traffic. The pedestrian was hit on her left hand side by the centre right of the front of the vehicle. The pedestrian was thrown onto the bonnet and was carried about 10 metres. The car stopped and the pedestrian fell off to the roadway.

Case Details

<i>Case Number</i>	84 - H027	<i>Calculation type</i>	1
<i>Date of Accident</i>	Saturday, July	<i>Time</i>	4 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	60 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	60 km/hr	<i>Impact Speed Source</i>	Driver

Pedestrian Details

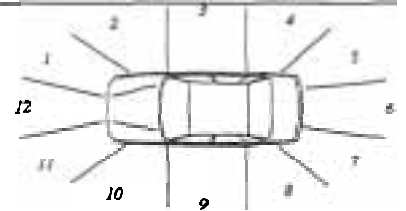
<i>Fatal</i>	Yes
<i>Age</i>	7
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	17
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	Unknown
<i>Licence Type</i>	Unknown
<i>Driver Action</i>	Braked before impact

Impact Vehicle Details

<i>Vehicle Model</i>	1971 Ford Cortina sedan	<i>Impact Point</i>	11
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

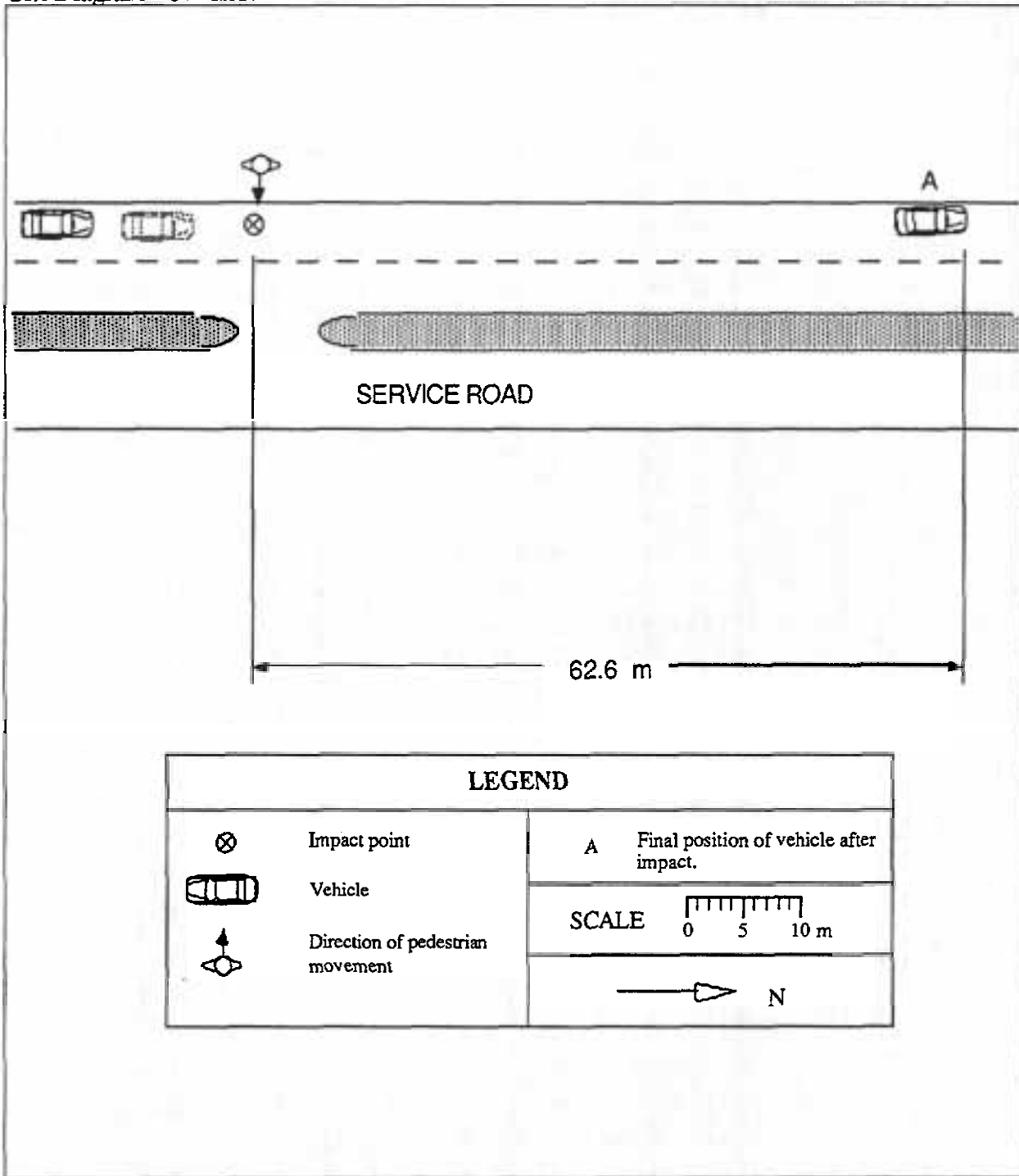





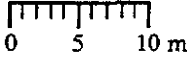

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Other main traffic route
<i>Traffic Conditions</i>	Light		
<i>Weather Conditions</i>	Fine, dry road	<i>Road Alignment</i>	Straight
<i>Number of Lanes</i>	1	<i>Natural Lighting</i>	Day
<i>Road Division</i>	Centre line	<i>Street Lighting</i>	Not applicable

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	55	50	54	48



LEGEND	
	Impact point
	Vehicle
	Direction of pedestrian movement
A	Final position of vehicle after impact.
SCALE	
	 N

Accident Description

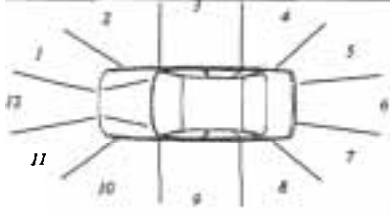
The car was travelling in a northerly direction at a speed of approximately 60 km/hr. The driver stated that before he observed a vehicle in front of him make a left turn and shortly after that he observed two boys run across the road in a easterly direction. The two boys did not cause the driver to take any avoiding action. Shortly after that incident, the vehicle collided with a third pedestrian. The driver did not see that pedestrian prior to the impact. A witness stated that the pedestrian had run from behind a utility pole. The pedestrian was hit on the left front side of the vehicle and was then thrown to the road and run over by the striking car. The final position of the pedestrian was not recorded.

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<i>Fatal</i>	Yes
<i>Age</i>	4
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

<i>Age</i>	69
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	43 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked after impact

Impact Vehicle Details

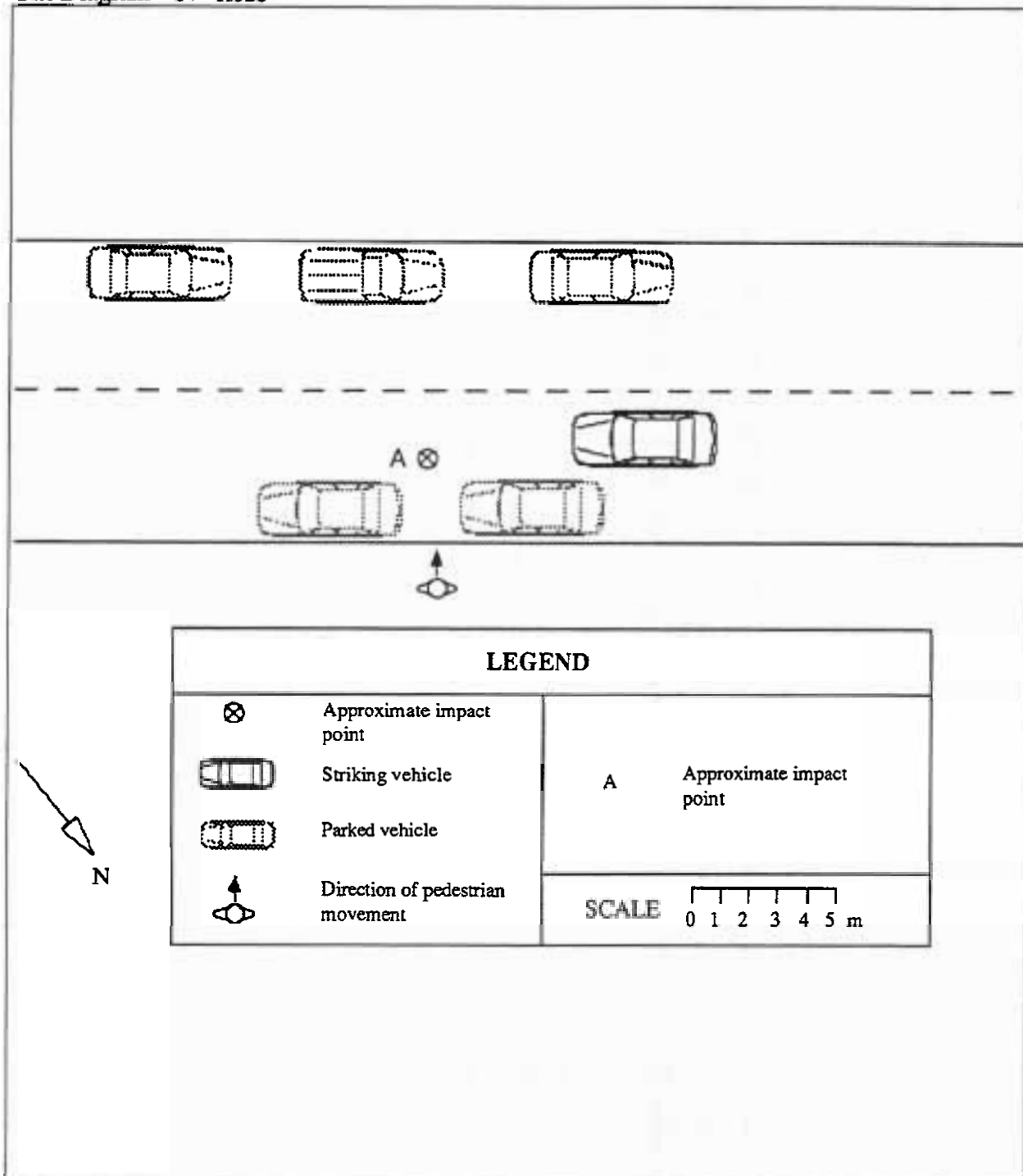
<i>Vehicle Model</i>	1978 Chrysler sedan	
<i>Type</i>	Car	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Centre line		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	35	30	36	32
Impact Speed (km/hr)	35	30	36	32



Accident Description

The car was travelling in an easterly direction at about 40 km/hr. The driver stated that he was travelling about two feet out from the right hand side of the vehicles parked to his left. The driver first saw the pedestrian just prior impact as the pedestrian ran out directly into the path of the vehicle from in front of a car, parked by the northern kerb. The driver braked and the pedestrian was hit by the front left corner of the vehicle, thrown forwards into the air, and then rolled along the roadway.

Case Details

<i>Case Number</i>	84 - H029	<i>Calculation type</i>	2.1
<i>Date of Accident</i>	Friday, August	<i>Time</i>	6 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	59 km/hr	<i>Travel Speed Source</i>	Skid marks
<i>Impact Speed</i>	30 km/hr	<i>Impact Speed Source</i>	Skid marks

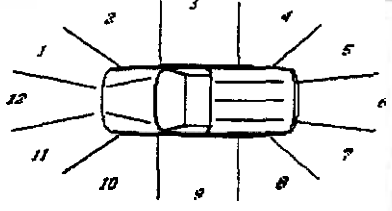
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	76
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.164 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	22
<i>Sex</i>	Male
<i>BAC Driver</i>	0.11 %
<i>Driving Experience</i>	6 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked before impact

Impact Vehicle Details

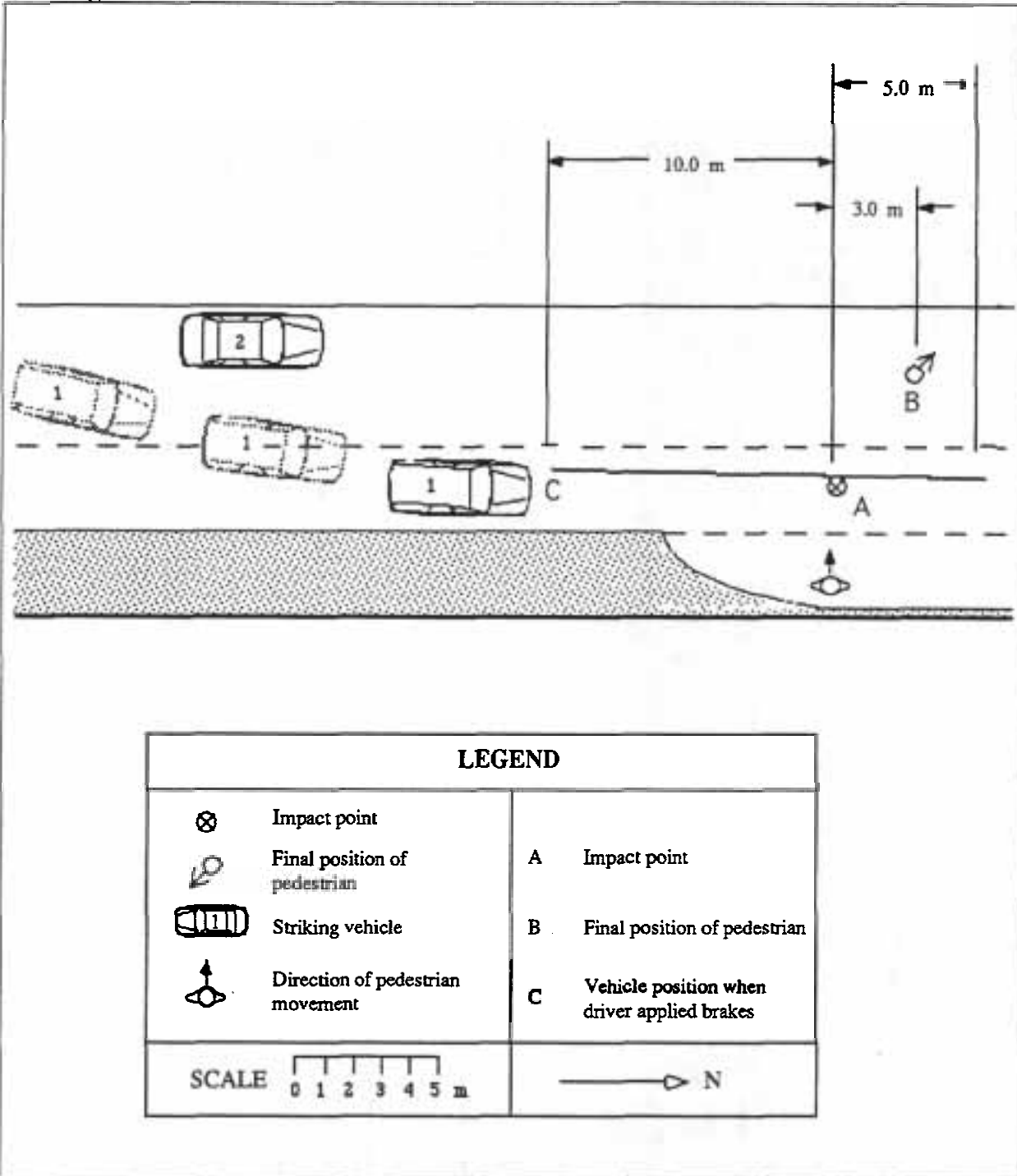
<i>Vehicle Model</i>	1968 Holden panel van	
<i>Type</i>	Car derivative	
<i>Number Involved</i>	1	
<i>Modifications</i>	Bull bar	
	<i>Impact Point</i>	11

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Dusk
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Raised median strip		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	54	49	53	47
Impact Speed (km/hr)	0	0	0	0



Accident Description

The striking panel van was travelling at about 59 km/hr in a northerly direction in the left hand lane. The driver then changed to the right hand lane to pass vehicle 2 parked by the footpath. The driver stated that he saw the pedestrian walking in a westerly direction across the road. The pedestrian did not stop at the median strip and continued to walk across the road. The driver applied the brakes hard and tried to swerved to the right at point C but collided with the pedestrian at point A. The panel van clipped the pedestrian's right hand side with the front of the left hand corner of the bull bar. The pedestrian then fell down along the left side of the van, and came to rest at point B. The panel van stopped and pulled over to the western kerb.

<i>Case Number</i>	84 - H045	<i>Calculation type</i>	2.1
<i>Date of Accident</i>	Saturday, November	<i>Time</i>	9 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	47 km/hr	<i>Travel Speed Source</i>	Skid marks
<i>Impact Speed</i>	27 km/hr	<i>Impact Speed Source</i>	Skid marks

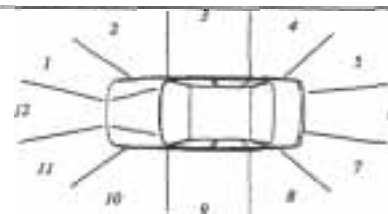
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	69
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.231 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	55
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	35 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked before impact

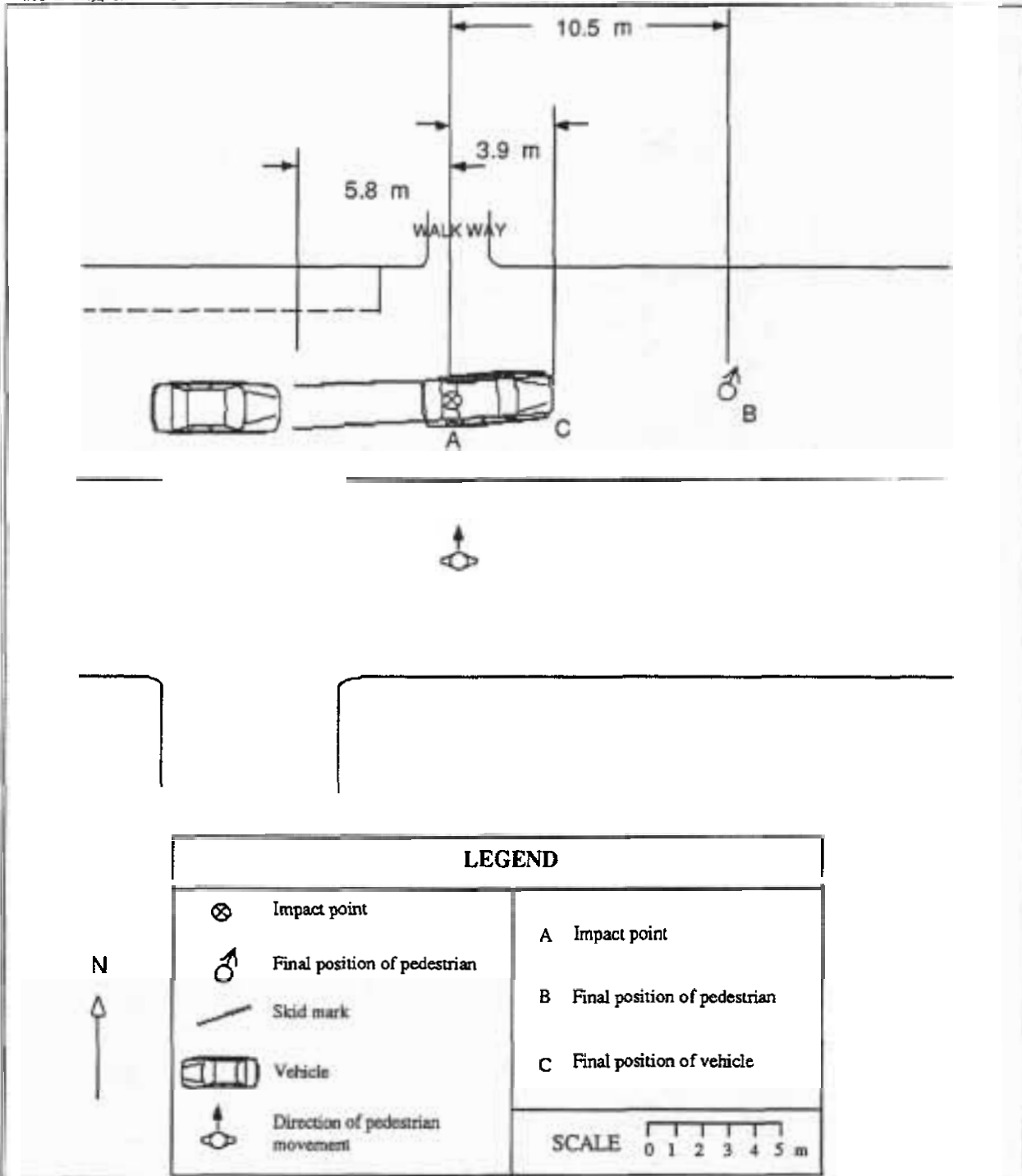
<i>Vehicle Model</i>	1974 Ford XB sedan	<i>Impact Point</i>	12
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		



Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Local street
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Centre line		

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	42	37	43	38
Impact Speed (km/hr)	0	0	0	0



Accident Description

The car was travelling at 47 km/hr in an easterly direction. The driver noticed some pedestrians on the northern footpath, but did not check the southern. The driver saw a pedestrian walk in a northerly direction straight in front of his car. The driver stated that the pedestrian was no more than 10 feet away (other evidence indicates that this was an under estimate). The driver braked, locking the wheels and collided with the pedestrian at point A. The centre right of the bonnet impacted the left hand side of the pedestrian, who was then thrown onto the top of the bonnet. The car came to rest at point C and the pedestrian was thrown forward, coming to rest on the roadway at point B.

Case Details

<i>Case Number</i>	84 - H046	<i>Calculation type</i>	1
<i>Date of Accident</i>	Friday, November	<i>Time</i>	10 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	60 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	60 km/hr	<i>Impact Speed Source</i>	Driver

Pedestrian Details

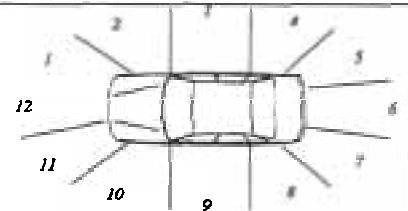
<i>Fatal</i>	Yes
<i>Age</i>	18
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0.278 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	19
<i>Sex</i>	Male
<i>BAC Driver</i>	0.175 %
<i>Driving Experience</i>	2 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	No evasive action

Impact Vehicle Details

<i>Vehicle Model</i>	1974 Ford Cortina sedan	<i>Impact Point</i>	12
<i>Type</i>	Car		
<i>Number Involved</i>	2		
<i>Modifications</i>	None		

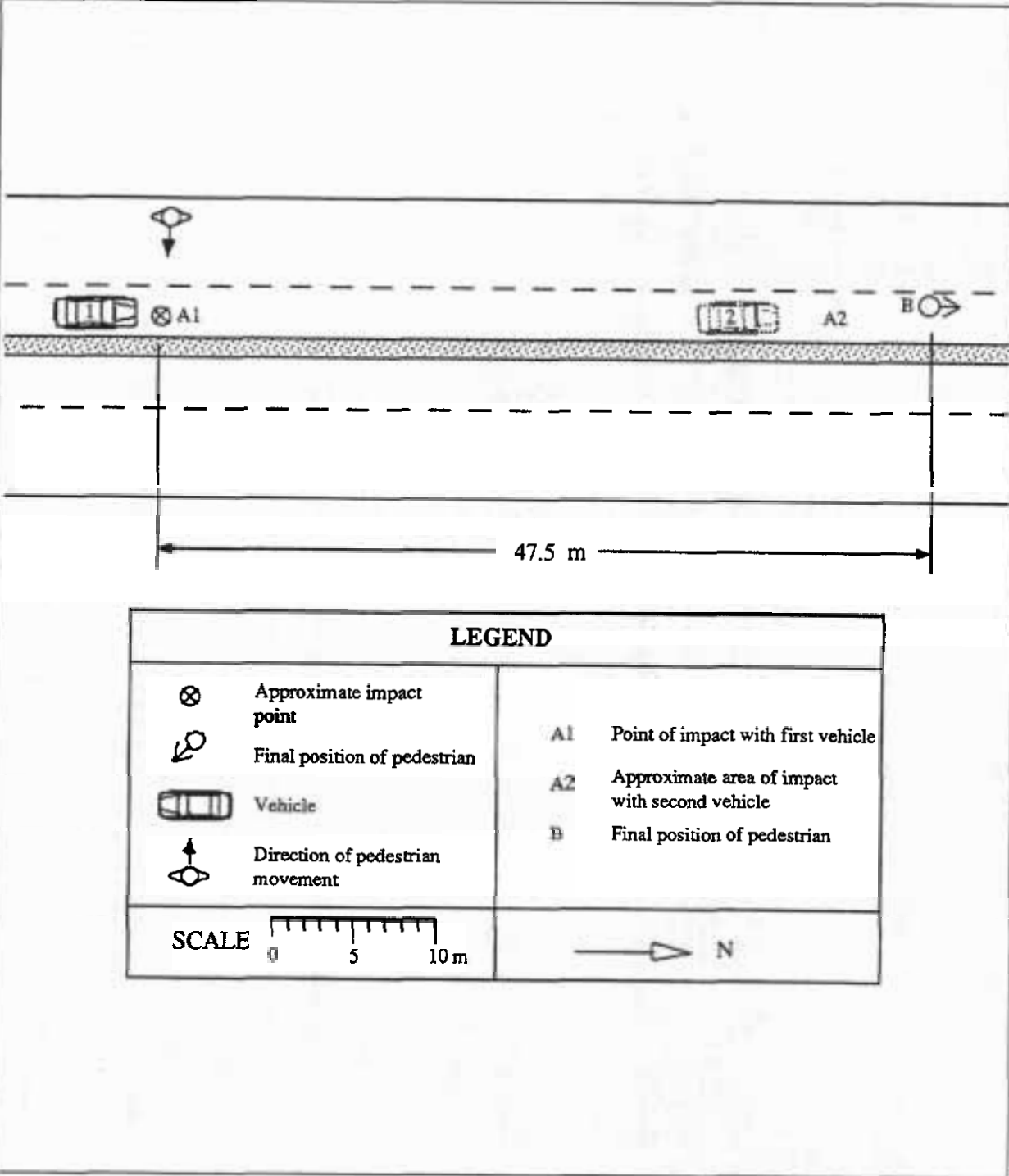


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Unknown	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Raised median strip		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	55	50	54	48



Accident Description

The pedestrian was running from west to east when she was struck by vehicle 1 at point A1. The pedestrian was thrown over the vehicle and then run over by a second vehicle at point A2. The speed of impact of the first vehicle was estimated by the driver as being 60 km/hr.

Case Details

<i>Case Number</i>	84 - H047	<i>Calculation type</i>	4.2
<i>Date of Accident</i>	Thursday, November	<i>Time</i>	5 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	35 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	35 km/hr	<i>Impact Speed Source</i>	Sighted distance

Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	69
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	39
<i>Sex</i>	Female
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	18 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked, unknown if before or after impact

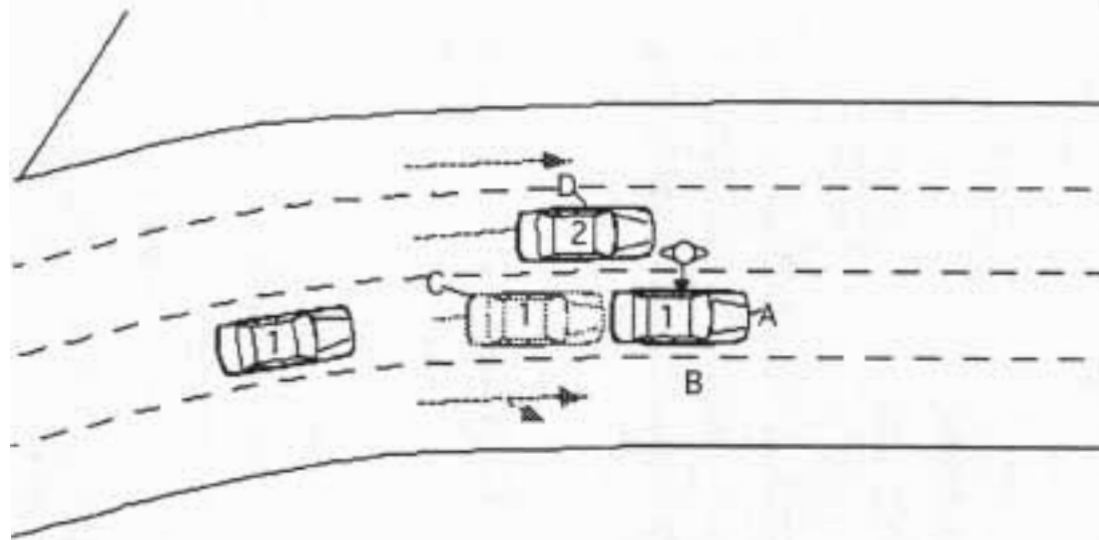
Impact Vehicle Details







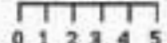
<i>Vehicle Model</i>	1981 Triumph TR7 sports coupe	
<i>Type</i>	Car	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Heavy	<i>Road Alignment</i>	Curved
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	4	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Raised median strip		

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	30	25	32	28
Impact Speed (km/hr)	30	25	32	28



LEGEND	
	Vehicle
	Direction of pedestrian movement
	A Final position of vehicle after impact.
	B Estimated final position of pedestrian after impact.
	C Position of vehicle 1 as pedestrian appear from in front of vehicle 2.
	D Position of vehicle 2 as pedestrian cross into path of vehicle 1.
<p>SCALE  0 1 2 3 4 5 m.</p>	
<p>NOTE: Position of each vehicle was approximated.</p>	

Accident Description

Vehicle 1, travelling in a north easterly direction towards a signalised intersection, collided with a pedestrian crossing the road in a south easterly direction. The driver stated that she was travelling at about 35 km/hr in the third lane from the western side of the road when the pedestrian appeared about 1 metre from the front of another vehicle (vehicle 2). The other vehicle was travelling on the second lane from the western side of the road and was about 1 metre in front of the driver's vehicle. Travel speed of vehicle 2 is unknown. The driver also stated that she braked but did not know if it was before or after impact. The pedestrian was hit by the front of the vehicle, thrown onto the car and rolled onto the road to the right side of the car.

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**(CASE OUTSIDE THE ADELAIDE STATISTICAL DIVISION - CASE REMOVED
FROM SAMPLE)**

BLANK

**(CASE OUTSIDE THE ADELAIDE STATISTICAL DIVISION - CASE REMOVED
FROM SAMPLE)**

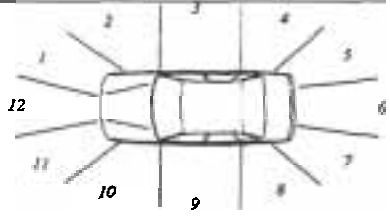
Case Details

<i>Case Number</i>	84 - H051	<i>Calculation type</i>	1
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<i>Fatal</i>	Yes	<i>Age</i>	28
<i>Age</i>	60	<i>Sex</i>	Male
<i>Sex</i>	Male	<i>BAC Driver</i>	0 %
<i>BAC Pedestrian</i>	0.275 %	<i>Driving Experience</i>	12 years
<i>Action</i>	Walking	<i>Licence Type</i>	Full
<i>Movement</i>	Crossing the road	<i>Driver Action</i>	Braked after impact
<i>Side Impacted</i>	Right side to vehicle		

Impact Vehicle Details

<i>Vehicle Model</i>	1967 Ford Fairlane sedan	<i>Impact Point</i>	1
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

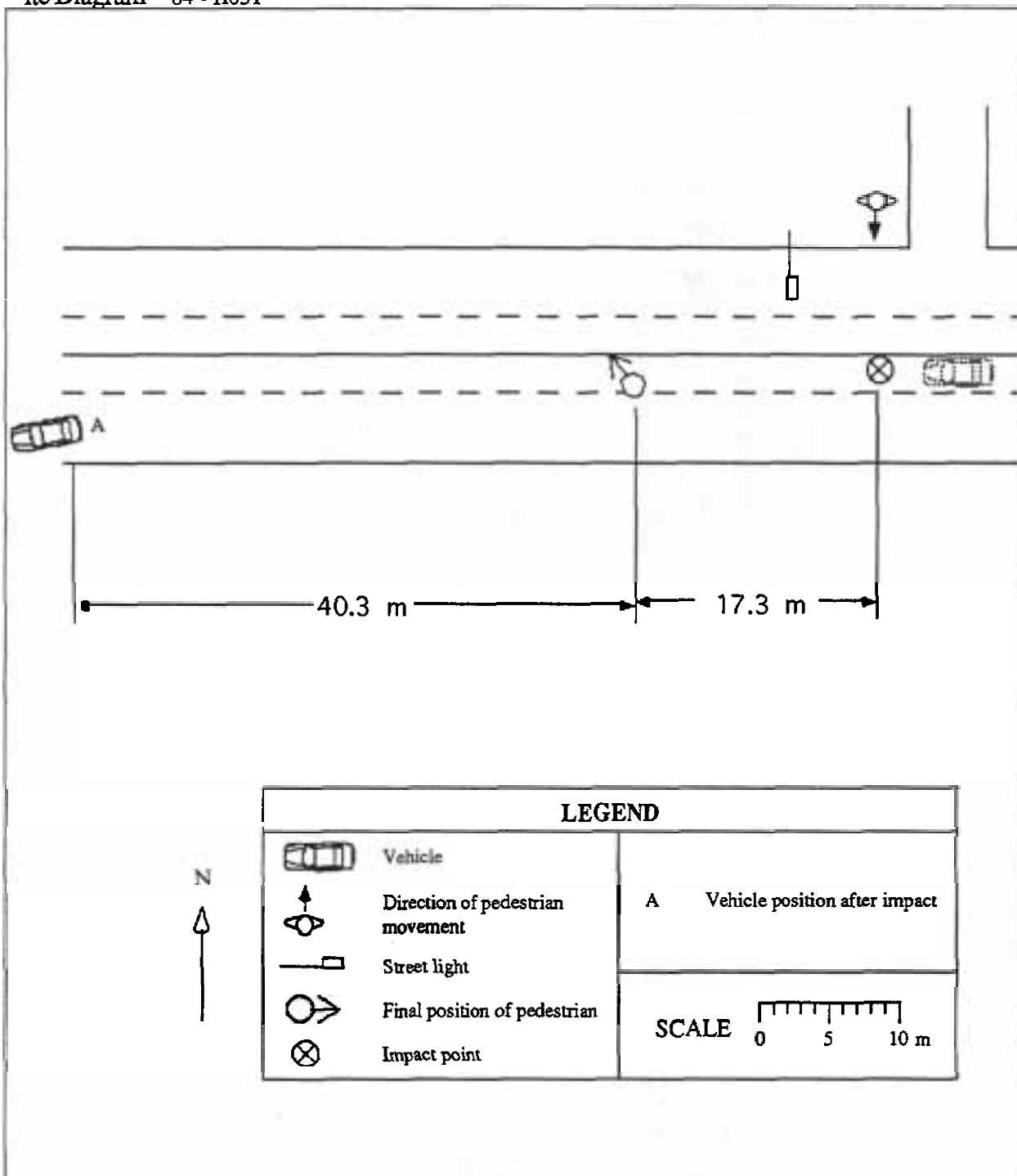


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Centre line		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	45	40	45	40
Impact Speed (km/hr)	45	40	45	40



Accident Description

The car was travelling west in the right hand lane of the two west bound traffic lanes at a speed of about 50 km/hr. Pedestrian was crossing from the northern side of the road in a southerly direction. The pedestrian was dressed in dark clothing. The driver stated that his was the only vehicle on that section of the road at that time and that he only saw the pedestrian about 2 metres directly in front of his vehicle. No evasive action was taken by the driver.

Case Details

<i>Case Number</i>	84 - H053	<i>Calculation type</i>	2.1
<i>Date of Accident</i>	Friday, December	<i>Time</i>	9 am
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	55 km/hr	<i>Travel Speed Source</i>	Skid marks
<i>Impact Speed</i>	43 km/hr	<i>Impact Speed Source</i>	Skid marks

Pedestrian Details

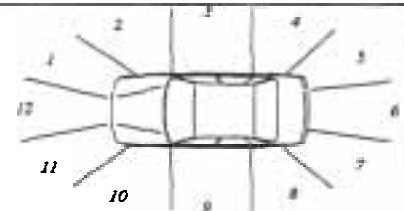
<i>Fatal</i>	Yes
<i>Age</i>	72
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	Unknown
<i>Sex</i>	
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	Unknown
<i>Licence Type</i>	Unknown
<i>Driver Action</i>	Braked before impact

Impact Vehicle Details

<i>Vehicle Model</i>	1983 Holden Commodore sedan	<i>Impact Point</i>	1
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

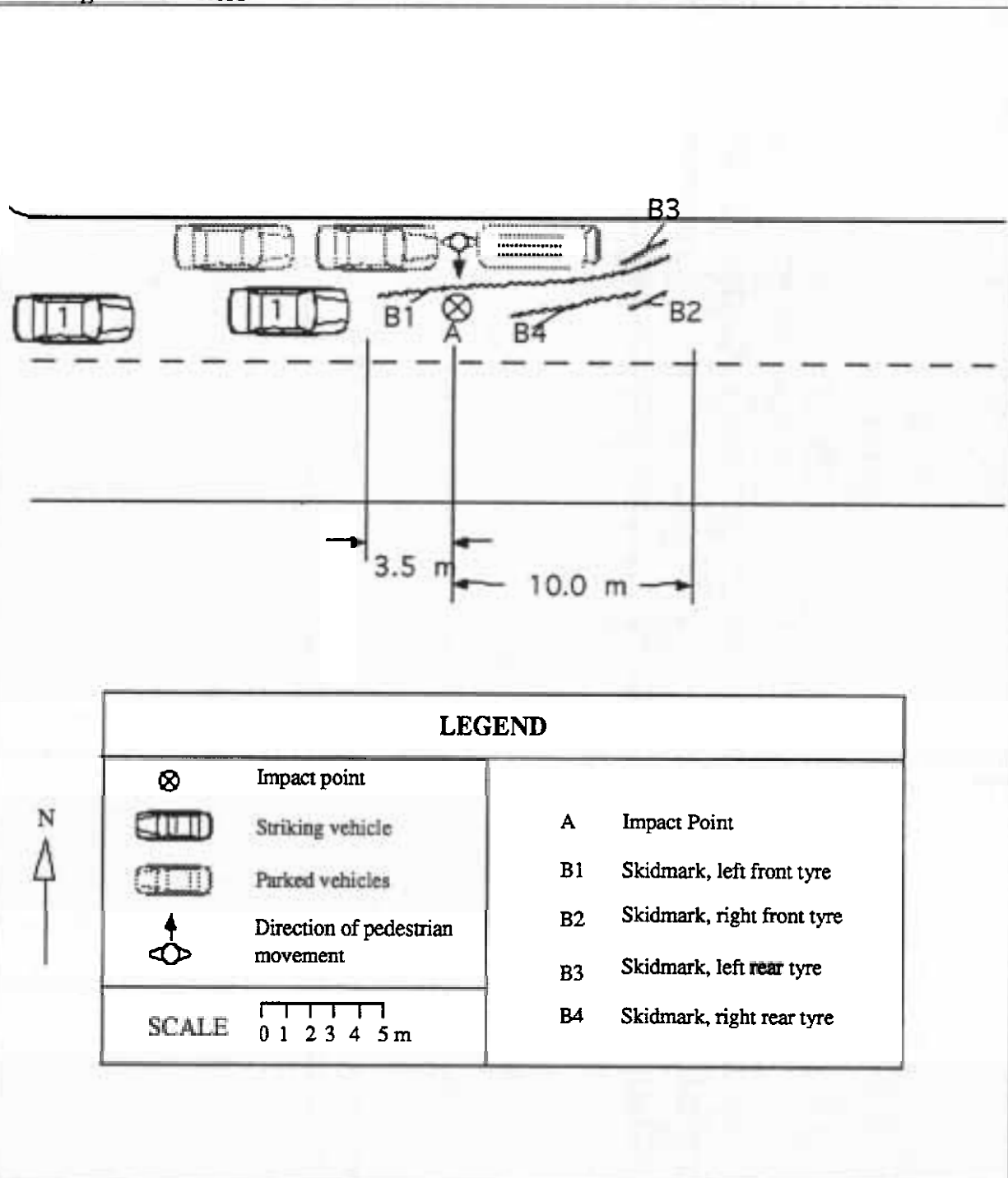


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Centre line		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	50	45	50	44
Impact Speed (km/hr)	30	5	29	0



Accident Description

Vehicle 1 was travelling in a easterly direction at about 55 km/hr. A pedestrian walking quite fast, crossed the road from behind a parked van on the northern side of the road. The driver swerved to his left and applied his brakes. The vehicle collided with the pedestrian at point A on the right hand side of the bumper and the bonnet. The pedestrian rolled onto bonnet and fell off to the right side of the vehicle. The vehicle continued for 5 m and the pedestrian ended up in the centre of the road. Four skid marks were located. The left front tyre skid mark was 13.25 m long; the right front tyre, 3.7 m; the rear right tyre, 0.68 m; and the left rear skid mark was 3.25 m long

Case Details

<i>Case Number</i>	84 - H054	<i>Calculation type</i>	3.1
<i>Date of Accident</i>	Tuesday, December	<i>Time</i>	12 am
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	80 km/hr	<i>Travel Speed Source</i>	Witness
<i>Impact Speed</i>	74 km/hr	<i>Impact Speed Source</i>	Projection distance

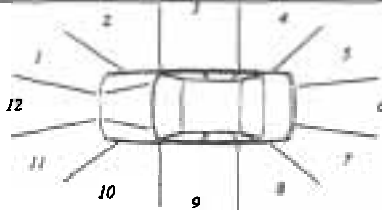
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	18
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0.062 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	21
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	Unknown
<i>Licence Type</i>	None
<i>Driver Action</i>	No evasive action

Impact Vehicle Details

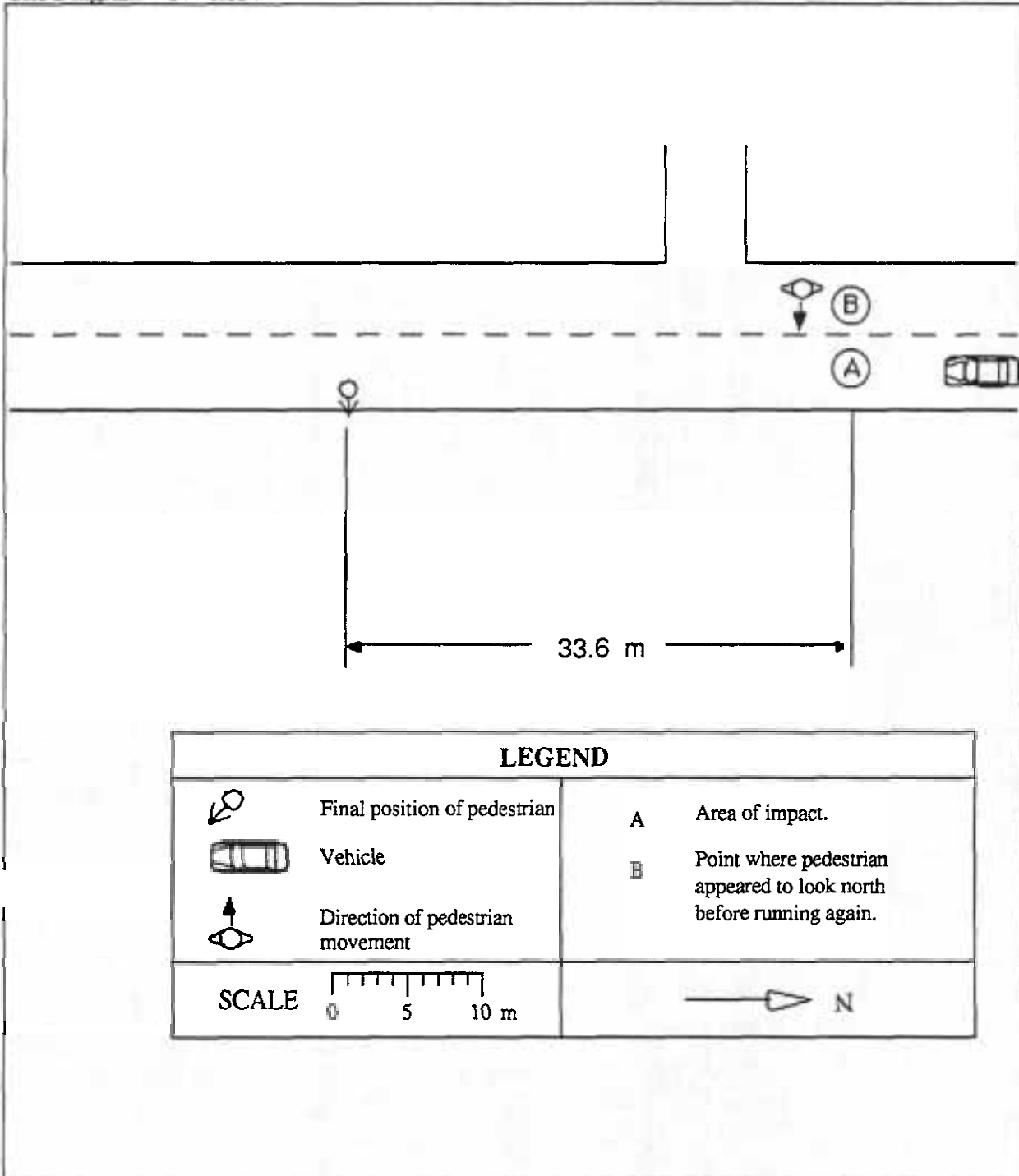
<i>Vehicle Model</i>	1973 Datsun 180B	<i>Impact Point</i>	11	
<i>Type</i>	Car			
<i>Number Involved</i>	1			
<i>Modifications</i>	None			

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Local street
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	Unknown
<i>Road Division</i>	Centre line		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	75	70	72	64
Impact Speed (km/hr)	64	52	57	35



Accident Description

This is a hit and run case. The case vehicle travelling in a southern direction collided with the pedestrian crossing the road in an easterly direction. From the witness statement the vehicle was travelling at a speed in the vicinity of 80 km/hr. The witness saw the pedestrian running east towards the centre of the road and when the pedestrian was about 1.5 metres from the centre, she hesitated and appeared to look towards north prior to running again in an easterly direction into the path of the south bound vehicle. The vehicle did not appear to brake or alter course prior to collision. The pedestrian hit the front left corner of the vehicle and fell immediately after the impact to the roadway.

<i>Case Number</i>	85 - H001	<i>Calculation type</i>	3.1
<i>Date of Accident</i>	Saturday, January	<i>Time</i>	1 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	60 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	55 km/hr	<i>Impact Speed Source</i>	Projection distance

<i>Fatal</i>	Yes
<i>Age</i>	8
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

<i>Age</i>	22
<i>Sex</i>	Female
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	5 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked before impact

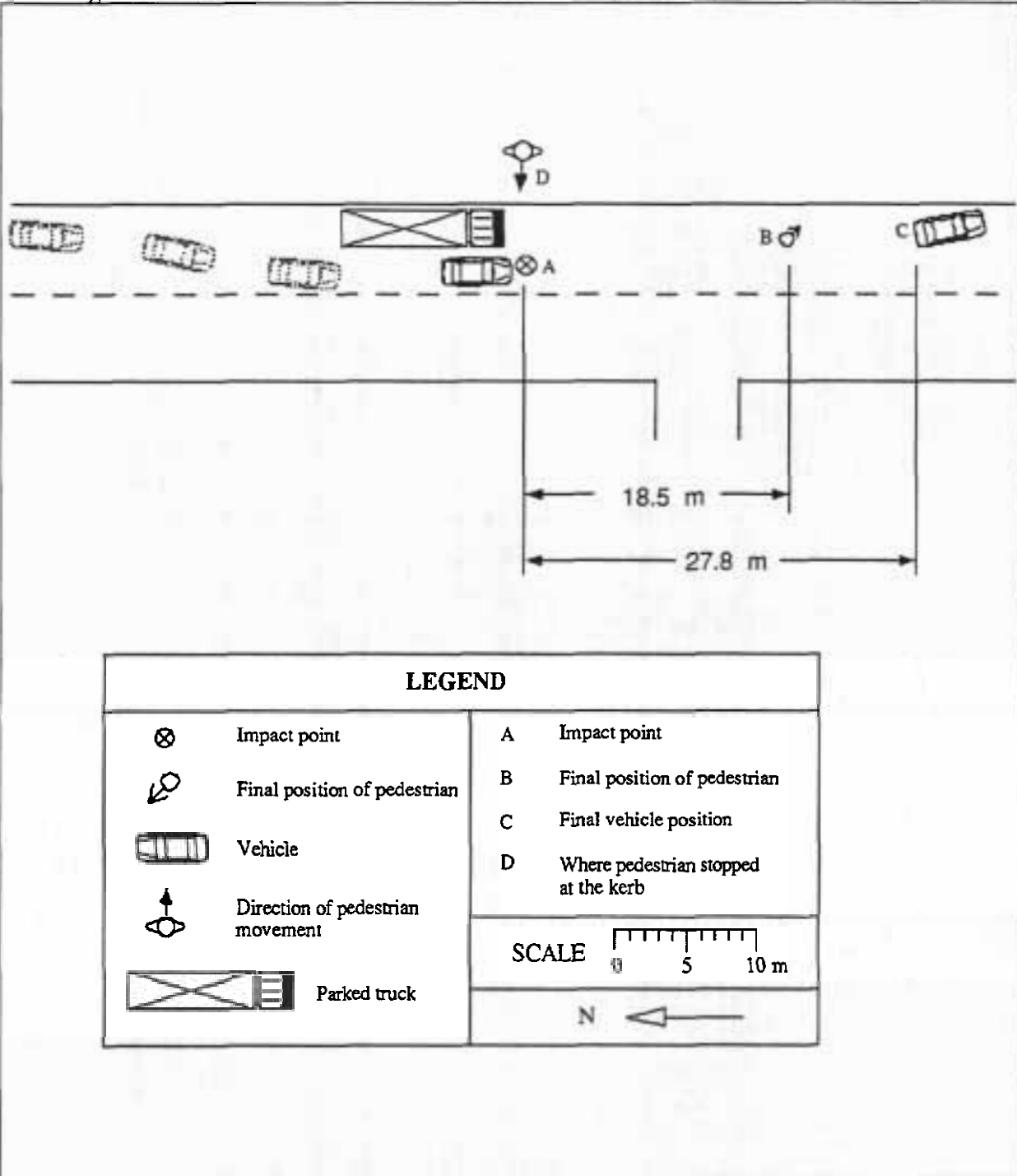


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate		
<i>Weather Conditions</i>	Fine, dry road	<i>Road Alignment</i>	Straight
<i>Number of Lanes</i>	1	<i>Natural Lighting</i>	Day
<i>Road Division</i>	Centre line	<i>Street Lighting</i>	Not applicable

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	43	27	40	17



LEGEND	
	Impact point
	Final position of pedestrian
	Vehicle
	Direction of pedestrian movement
	Parked truck
A	Impact point
B	Final position of pedestrian
C	Final vehicle position
D	Where pedestrian stopped at the kerb
SCALE	
N	

Accident Description

The car was travelling at 60 km/hr in a southerly direction. The vehicle was travelling close to the eastern kerb and moved to the centre of the road to pass a parked truck. The pedestrian was running in a westerly direction, stopped at the kerb (point D) and looked back at someone chasing him. He then ran west in front of the truck and into the path of vehicle 1. The driver who first saw the pedestrian when he was right in front of her, braked immediately. The centre left of the front of the car struck the pedestrian. The pedestrian came to rest at point B and the car stopped at point C.

Case Details

<i>Case Number</i>	85 - H002	<i>Calculation type</i>	3.1
<i>Date of Accident</i>	Saturday, January	<i>Time</i>	6 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	60 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	25 km/hr	<i>Impact Speed Source</i>	Projection distance

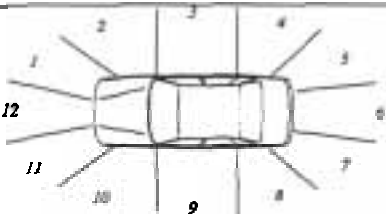
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	65
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.201 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	20
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	4 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Slowed before impact

Impact Vehicle Details

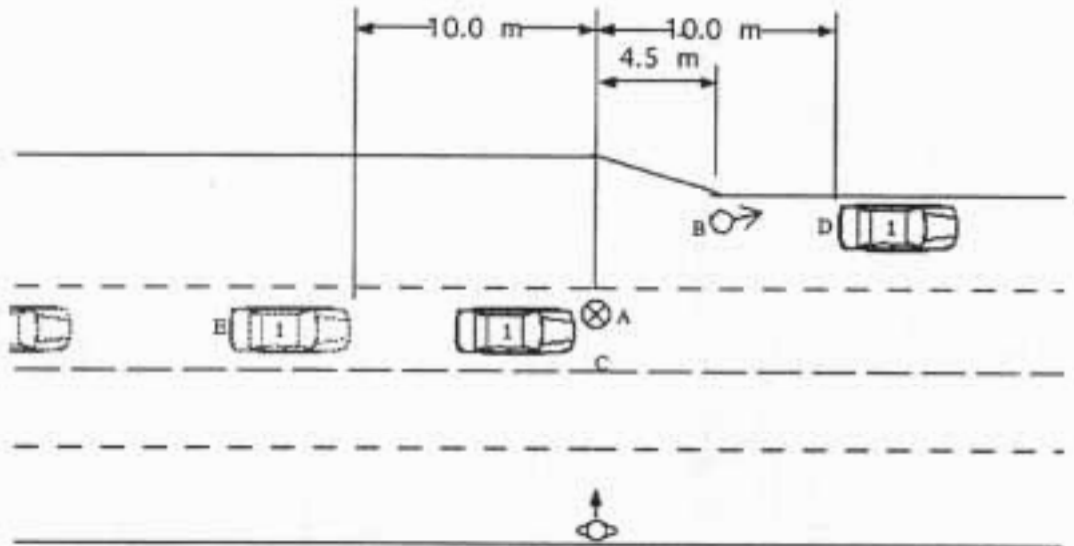
<i>Vehicle Model</i>	1975 Chrysler Galant sedan	
<i>Type</i>		
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Centre line		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	0	0	0	0

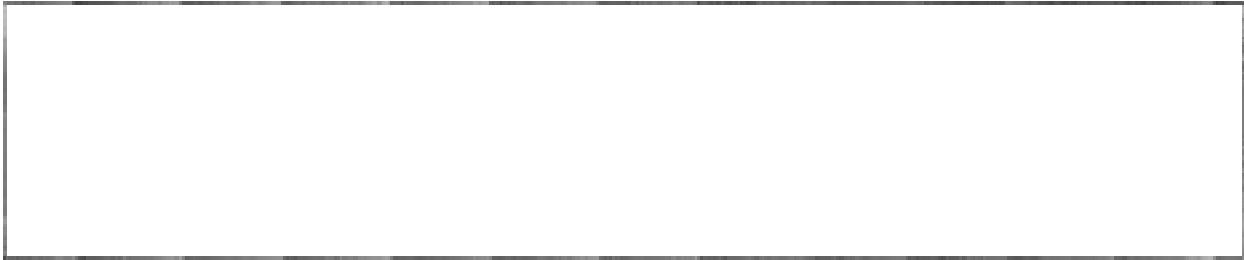


LEGEND			
	Impact point	A	Impact point
	Final position of pedestrian	B	Final position of pedestrian
	Vehicle	C	Pedestrian position when the driver realised an accident was going to occur
	Direction of pedestrian movement	D	Final position of vehicle
SCALE		E	Vehicle position when the driver realised an accident was going to occur

N ←

Accident Description

The car was travelling at 60 km/hr in a southerly direction in the right hand lane. The driver saw the pedestrian walking east across the road and slowed to about 30 km/hr. The pedestrian stopped at point C in the centre of the road. When the car was at point E about 10 metres from the pedestrian, he suddenly walked into the path of the vehicle. The driver applied the brakes and hit the pedestrian with the left side of the front of the vehicle. The pedestrian then went over the bonnet to the left, and came to rest at point B. The car continued and stopped in the vicinity of point D.



<i>Fatal</i>	Yes
<i>Age</i>	74
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

<i>Age</i>	66
<i>Sex</i>	Female
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	50 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked before impact

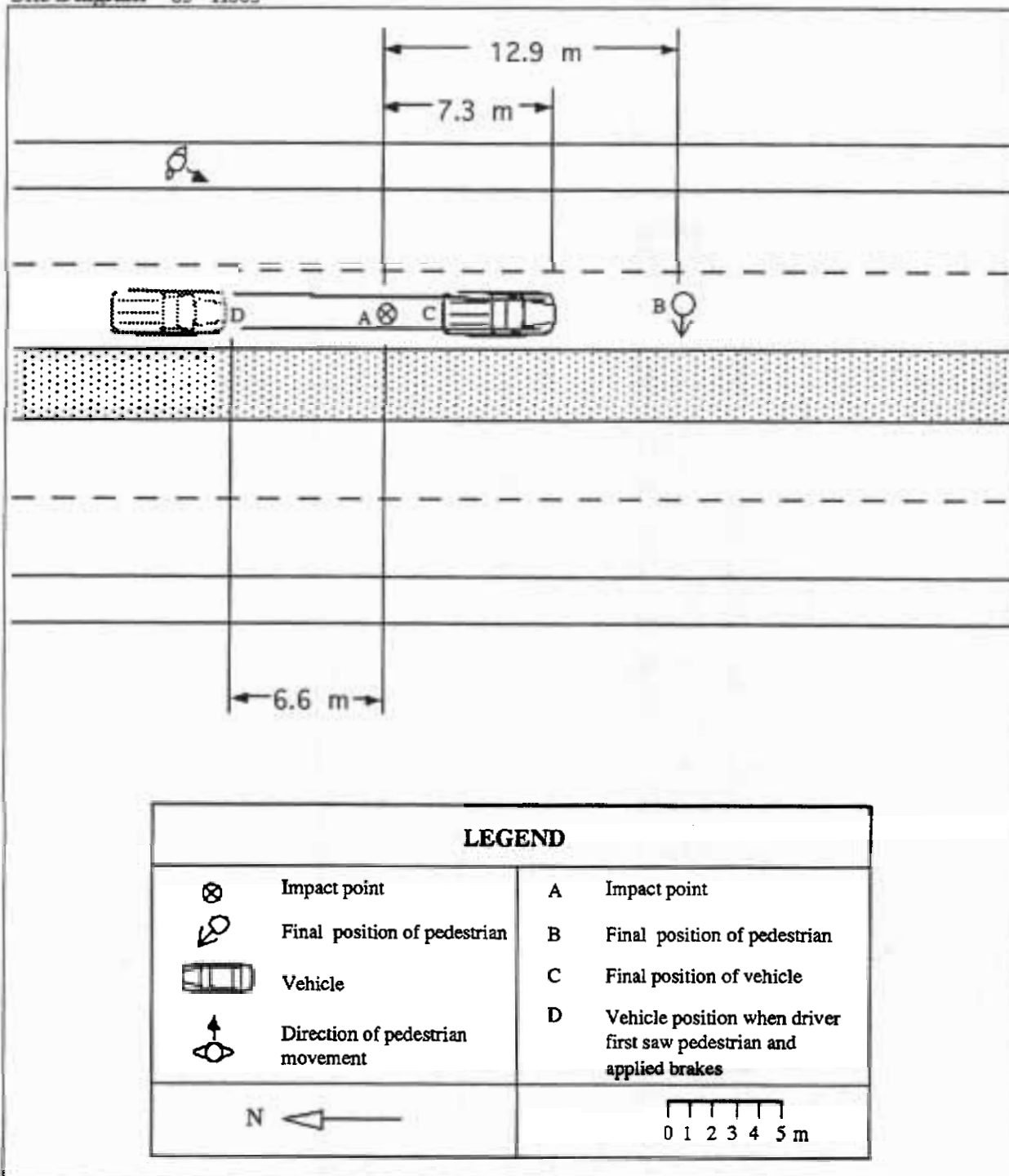


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Raised median strip		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	51	46	51	45
Impact Speed (km/hr)	20	0	17	0



Accident Description

The utility was travelling in a southerly direction and had accelerated to 56 km/hr after a truck travelling in front of it had turned right at an intersection. The driver saw the pedestrian in the middle of the right hand lane walking across the road in a south westerly direction. The driver immediately applied the brakes (point D), but collided with the pedestrian at point A. The centre right side of the front of the utility hit the right hand side of the pedestrian, who was thrown forward along the road coming to rest at point B. The utility stopped at point C.

Case Details

<i>Case Number</i>	85 - H005	<i>Calculation type</i>	2.3
<i>Date of Accident</i>	Thursday, January	<i>Time</i>	6 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	91 km/hr	<i>Travel Speed Source</i>	Momentum Calculation
<i>Impact Speed</i>	87 km/hr	<i>Impact Speed Source</i>	Momentum calculation

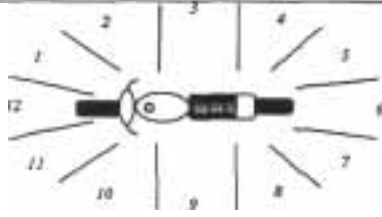
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	9
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	21
<i>Sex</i>	Male
<i>BAC Driver</i>	0.101 %
<i>Driving Experience</i>	4 years
<i>Licence Type</i>	Full Motorcycle
<i>Driver Action</i>	Braked before impact

Impact Vehicle Details

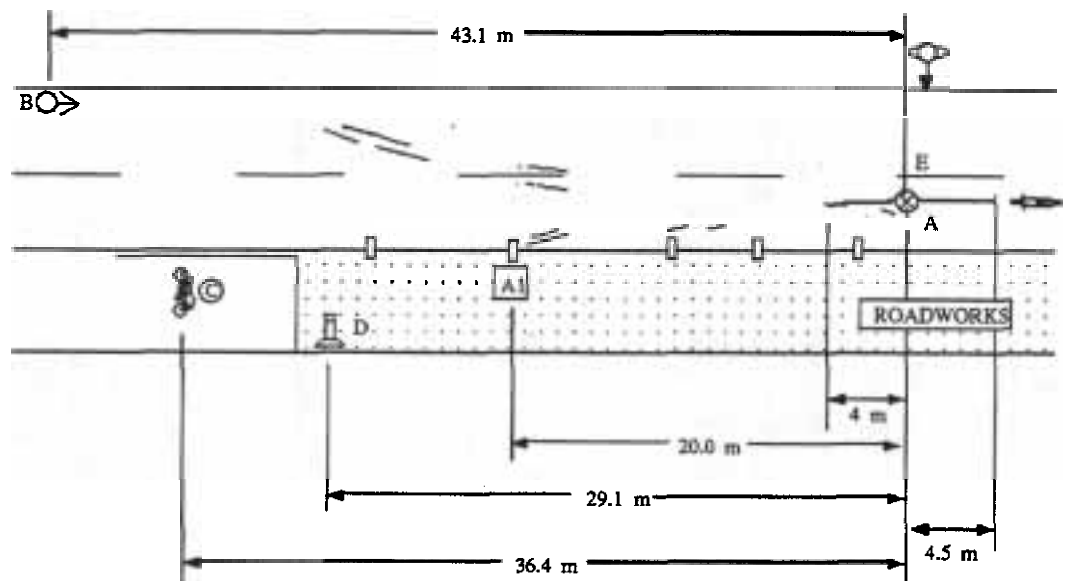
<i>Vehicle Model</i>	1982 Yamaha 250cc road bike	
<i>Type</i>	Motorcycle	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Centre line		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	86	81	82	73
Impact Speed (km/hr)	67	56	58	34



LEGEND			
	Point of impact with pedestrian	A	Point of impact with pedestrian
	Final position of pedestrian	A1	Motorcycle struck safety bollard
	Motorcycle	B	Final position of pedestrian
	Safety bollard	C	Final position of motorcycle
	Direction of pedestrian movement	D	Final position of safety bollard
	Skidmark	E	Pedestrian position when first seen by driver.
	Scrape and body marks	SCALE 0 5 10 m	

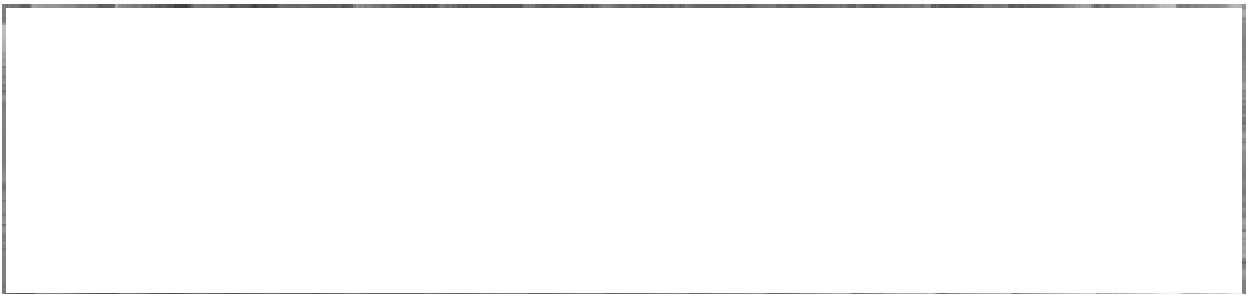
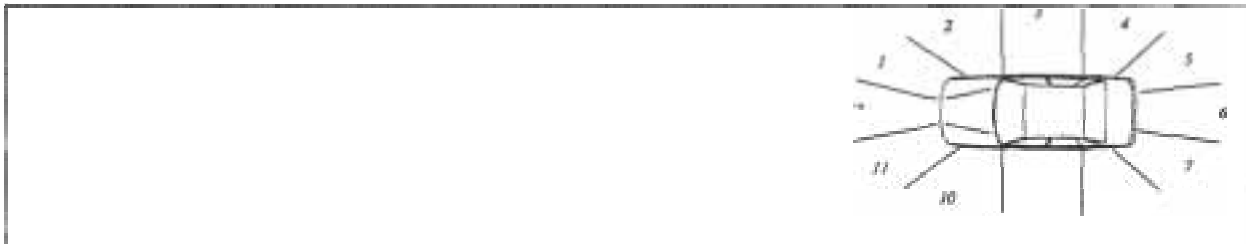
Accident Description

The motorcycle was travelling at about 91 km/hr in a westerly direction when the pedestrian ran in a southerly direction across the road. The rider said that he saw the the pedestrian when she was in the centre of the road at point E, about 3 metres west of his path. He braked heavily and skidded, colliding with the pedestrian at point A. The pedestrian was thrown forward and slid along the road coming to rest at point B. The motorcycle fell on its side and slid along the the road and collided with a safety bollard at point A1. The motorcycle continued to slide and stopped at point C on its left hand side. The bollard came to rest at point D.

Case Details

<i>Case Number</i>	85 - H010	<i>Calculation type</i>	1
<i>Date of Accident</i>	Friday, February	<i>Time</i>	3 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	54 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	54 km/hr	<i>Impact Speed Source</i>	Driver

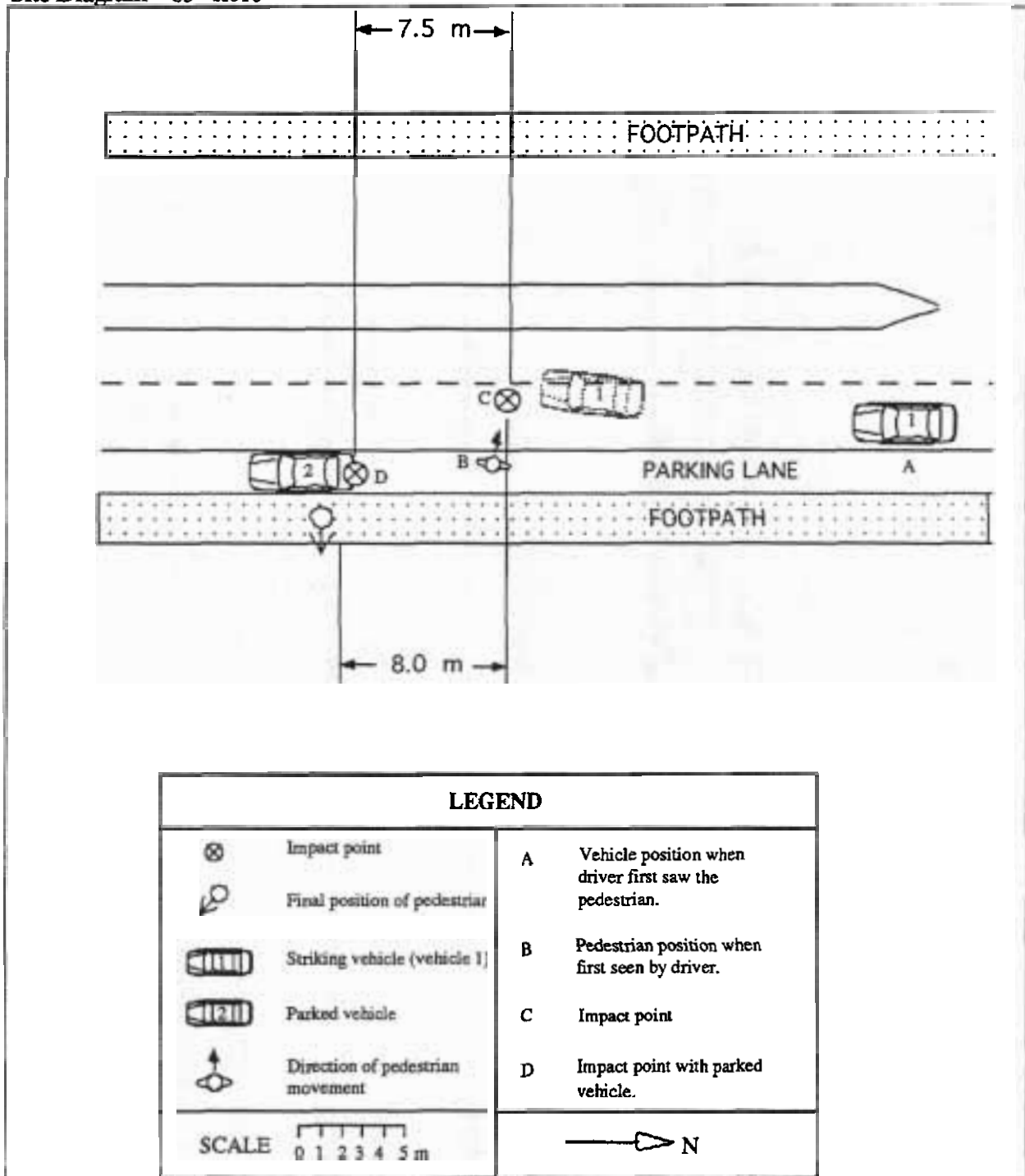
<i>Fatal</i>	Yes	<i>Age</i>	18
<i>Age</i>	58	<i>Sex</i>	Female
<i>Sex</i>	Male	<i>BAC Driver</i>	0%
<i>BAC Pedestrian</i>	0.136%	<i>Driving Experience</i>	2 years
<i>Action</i>	Walking	<i>Licence Type</i>	Probationary
<i>Movement</i>	Crossing the road	<i>Driver Action</i>	No evasive action
<i>Side Impacted</i>	Left side to vehicle		



Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	49	44	49	43
Impact Speed	49	44	49	43

Site Diagram 85 - H010



Accident Description

Vehicle 1 was travelling in a southerly direction in the lane closest to the median at about 54 km/hr when it collided with a pedestrian. A witness stated that the pedestrian was crossing the road from east to west. The driver stated that she first saw the pedestrian about 25 metres in front of her. The pedestrian appeared to lose his balance and moved in a stumbling motion in a westerly direction into the path of the vehicle. The driver braked and swerved towards the centre of the road. The pedestrian was struck by the left front of the vehicle and then the roof before being thrown into the air and falling onto a stationary vehicle which was parked on the eastern side of the road. No skid marks were located at the accident site.

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(CASE OUTSIDE THE ADELAIDE STATISTICAL DIVISION - CASE REMOVED
FROM SAMPLE)

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**(CASE OUTSIDE THE ADELAIDE STATISTICAL DIVISION - CASE REMOVED
FROM SAMPLE)**

Case Details

<i>Case Number</i>	85 - H012	<i>Calculation type</i>	2.3
<i>Date of Accident</i>	Monday, February	<i>Time</i>	9 am
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	39 km/hr	<i>Travel Speed Source</i>	Momentum Calculation
<i>Impact Speed</i>	39 km/hr	<i>Impact Speed Source</i>	Momentum calculation

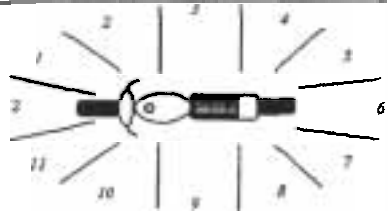
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	75
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	Unknown
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	
<i>Sex</i>	Male
<i>BAC Driver</i>	Unknown
<i>Driving Experience</i>	Unknown years
<i>Licence Type</i>	
<i>Driver Action</i>	Attempted to swerve

Impact Vehicle Details

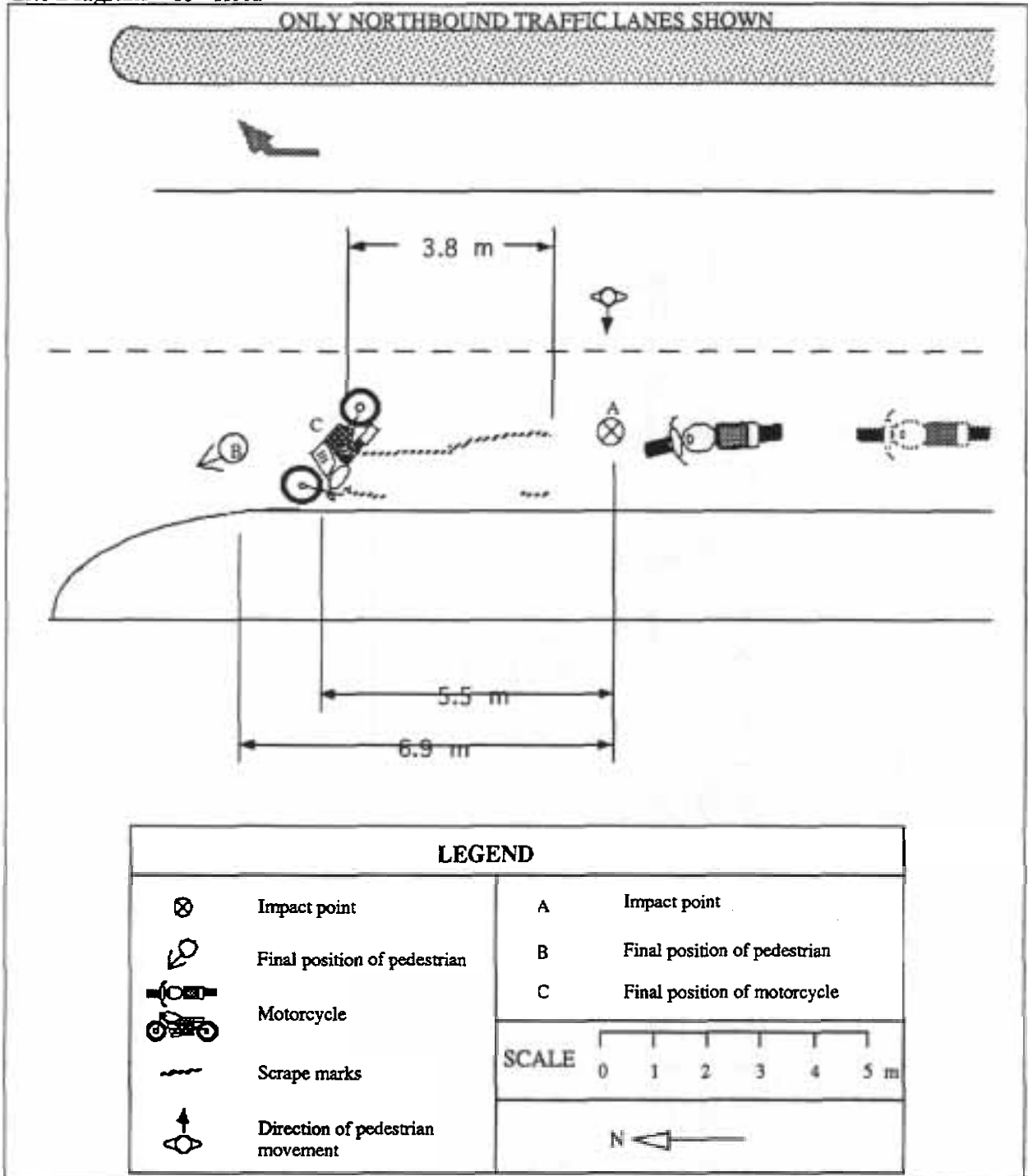
<i>Vehicle Model</i>	1984 Suzuki ER 185 Trail bike	
<i>Type</i>	Motorcycle	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>		<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	3	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Raised median strip		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	34	29	35	31
Impact Speed (km/hr)	28	11	31	20



Accident Description

The motorcycle was travelling in a northerly direction at a calculated speed of 39 km/hr. The pedestrian was crossing the road in a westerly direction. The rider swerved to the left to avoid a collision, but struck her with the right handlebar at point A. The pedestrian fell to the road and came to rest at point B. The bike fell on its side and stopped at point C.

Case Details

<i>Case Number</i>	85 - H017	<i>Calculation type</i>	1
<i>Date of Accident</i>	Saturday, March	<i>Time</i>	1 am
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	50 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	50 km/hr	<i>Impact Speed Source</i>	Driver

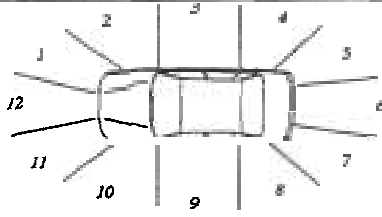
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	33
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0.097 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	25
<i>Sex</i>	Male
<i>BAC Driver</i>	0.07 %
<i>Driving Experience</i>	8 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked before impact

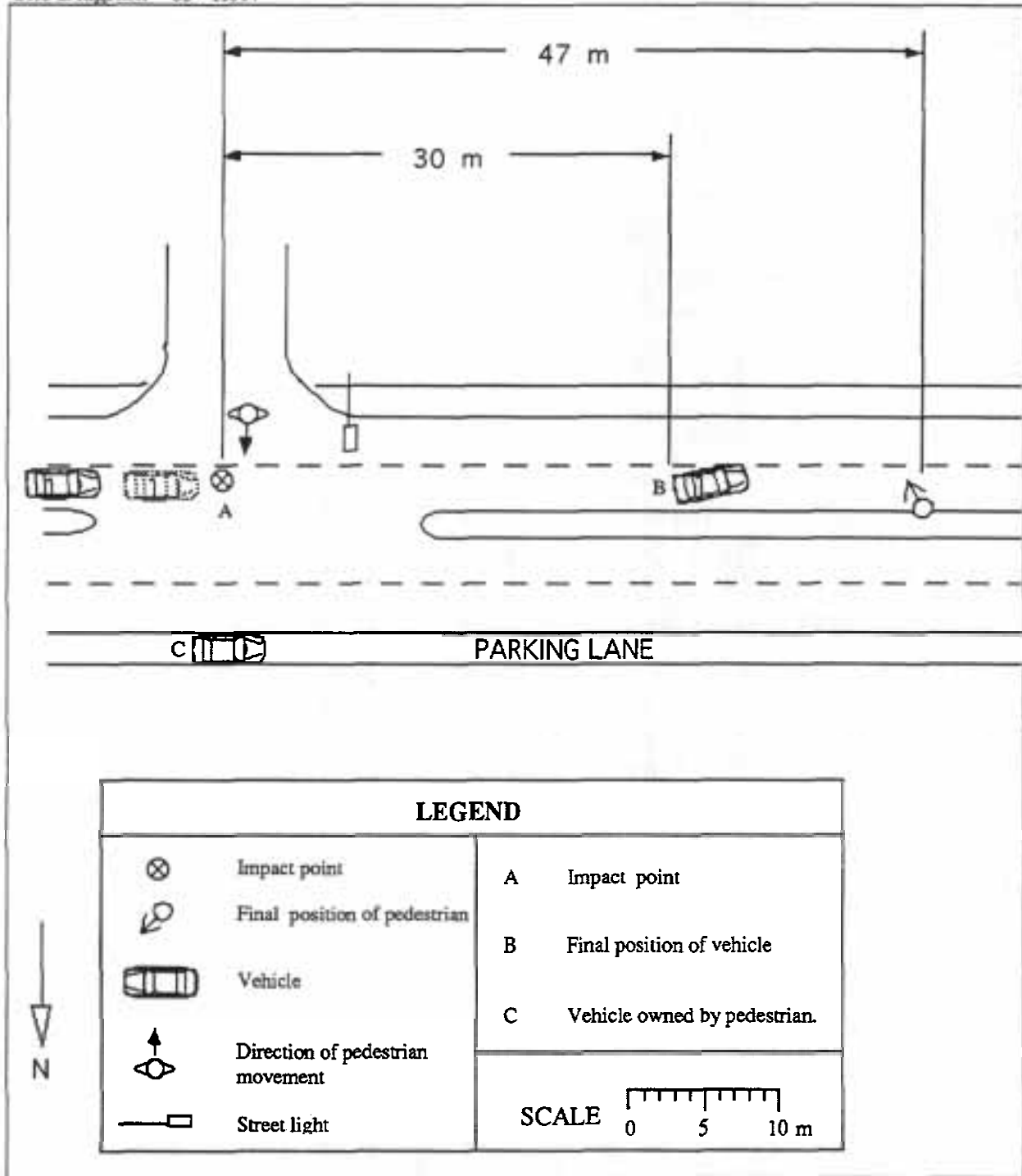
Impact Vehicle Details

<i>Vehicle Model</i>	1966 Holden Torana sedan	
<i>Type</i>	Car	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Raining	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Raised median strip		

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	45	40	45	40
Impact Speed (km/hr)	45	40	45	40



Accident Description

The car was travelling west in the right lane when the pedestrian stepped out in front of the vehicle. The pedestrian was walking from the southern side in a northerly direction towards her parked car. The driver estimated that his speed prior to the collision was 50 km/hr. He did not see the pedestrian until almost immediately before the impact, due to heavy rain at the time of the accident. He then braked to try to avoid the collision, but the pedestrian was hit by the centre right of the front of the vehicle.

Case Details

<i>Case Number</i>	85 - H018	<i>Calculation type</i>	1
<i>Date of Accident</i>	Tuesday, March	<i>Time</i>	8 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	75 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	75 km/hr	<i>Impact Speed Source</i>	Driver

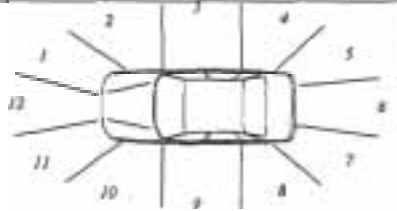
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	55
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.248 %
<i>Action</i>	Walking
<i>Movement</i>	Along the road
<i>Side Impacted</i>	Back to vehicle

Driver Details

<i>Age</i>	18
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	2 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	No evasive action

Impact Vehicle Details

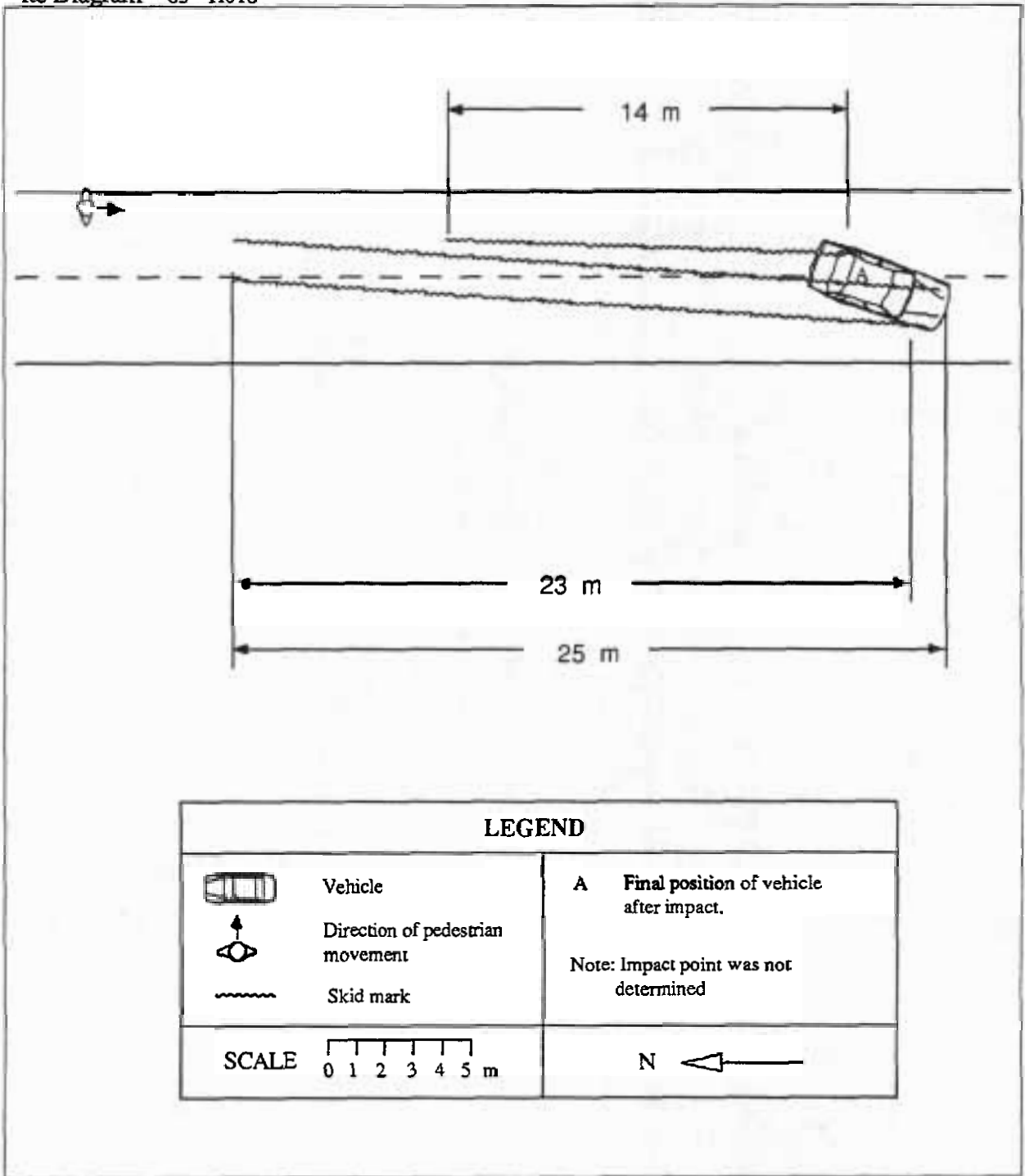
<i>Vehicle Model</i>	1977 Honda Accord sedan	
<i>Type</i>	Car	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Local street
<i>Traffic Conditions</i>	Moderate		
<i>Weather Conditions</i>	Fine, dry road	<i>Road Alignment</i>	Straight
<i>Number of Lanes</i>	1	<i>Natural Lighting</i>	Night
<i>Road Division</i>	Centre line	<i>Street Lighting</i>	Street lights

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	70	65	68	60
Impact Speed (km/hr)	70	65	68	60



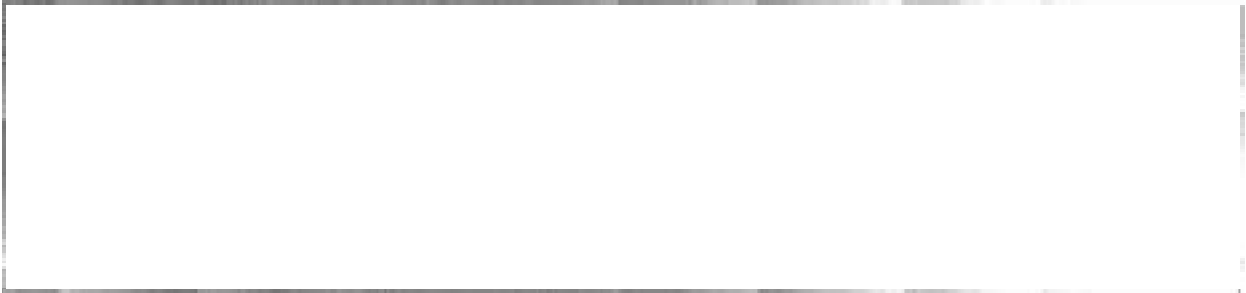
Accident Description

The car was travelling south when it collided with a pedestrian walking south along the road in the same lane as the vehicle. The driver stated that he was travelling at about 75 km/h close to the left hand edge of the bitumen. He did not see the pedestrian prior to the collision and consequently did not take any evasive action. The accident occurred along a portion of the road that was poorly lit and the pedestrian was wearing dark clothing.



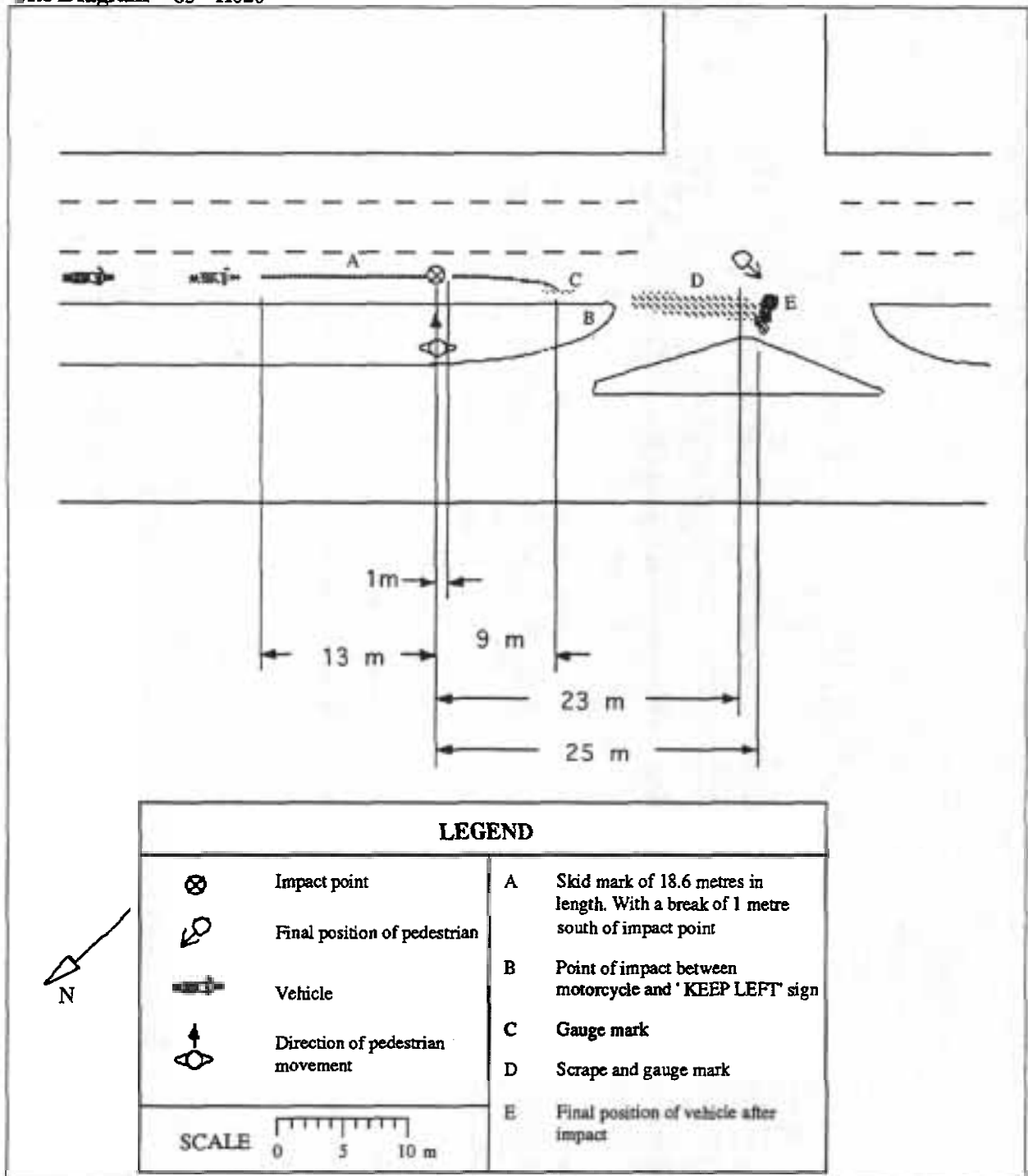
<i>Fatal</i>	Yes
<i>Age</i>	48
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

<i>Age</i>	18
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	6 months
<i>Licence Type</i>	Learners Permit
<i>Driver Action</i>	Braked before impact



Reduced Travel Speed Analysis

	5 km/hr	10 km/hr	10%	20%
Travel Speed (km/hr)	84	79	80	71
Impact Speed (km/hr)	54	43	46	15



Accident Description

The pedestrian was crossing from the median strip of a divided road to a group of shops in a North West to South East direction. The motorcyclist was travelling South West in the lane closest to the median strip. Before the accident, the rider was observed to overtake a vehicle approximately 800 metres north of the accident scene. His speed was estimated by witnesses to be around 100 to 120 km/hr in the vehicle at that time. From the information available, the calculated travel speed at the site gave a value of 89 km/hr. The rider has no recollection of the collision or the events leading up to the collision. The pedestrian's view was obscured by bushes and trees along the median strip. The pedestrian was hit by the left side of the motorcycle, on which the back wheel had locked. The bike veered and started to fall to the right, leaving scrape marks. The motorcycle ran up onto the median strip, hit a "keep left" sign and fell back onto the road. It then spun around 180 degrees and finally stopped 38 m north of the start of the skid marks. The pedestrian was carried with the bike and thrown to the left side of the lane, landing opposite the motorcycle.

Case Details

<i>Case Number</i>	85 - H021	<i>Calculation type</i>	1
<i>Date of Accident</i>	Friday, April	<i>Time</i>	8 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	65 km/hr	<i>Travel Speed Source</i>	Witness
<i>Impact Speed</i>	65 km/hr	<i>Impact Speed Source</i>	Witness

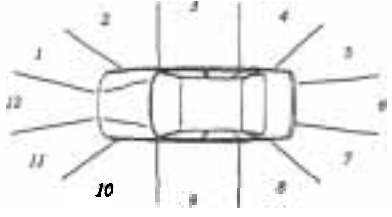
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	75
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	22
<i>Sex</i>	Female
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	6 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked after impact

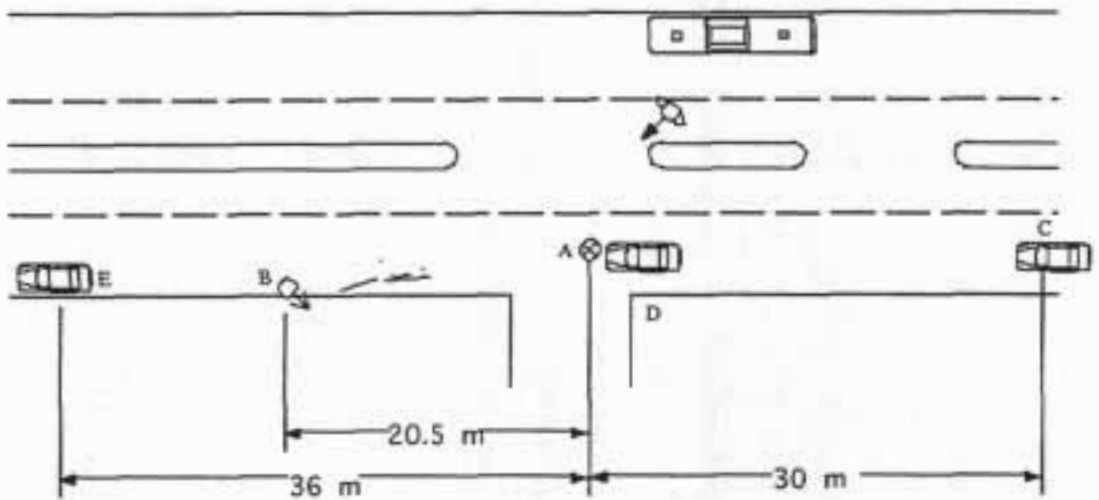
Impact Vehicle Details

<i>Vehicle Model</i>	1982 Alfa Romeo sedan	
<i>Type</i>	Car	
<i>Number Involved</i>	1	<i>Impact Point</i> 12
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Painted median strip		

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	60	55	59	52
Impact Speed (km/hr)	60	55	59	52



LEGEND			
	Impact point	A	Impact point
	Final position of pedestrian	B	Final position of pedestrian
	Body brush marks	C	Vehicle position when the driver saw the bus driver crossing the road
	Vehicle	D	Bus Driver position on kerb when vehicle began to accelerate
	Direction of pedestrian movement	E	Final position of vehicle
	Bus		
SCALE 0 5 10 m			

Accident Description

The car was travelling at 65 km/hr in a south-easterly direction. When the car was at point C the driver saw a bus driver carrying a suitcase 30 to 40 metres ahead. He was crossing the road in a north-easterly direction from his bus which was parked by the south-western kerb. The driver slowed her vehicle, and when the bus driver reached the footpath (point D) she accelerated impacting with another pedestrian at point A. The pedestrian had followed the bus driver across the road, but on more of an angle. The driver's attention was focused on the bus driver and she did not see the second pedestrian before the impact. The centre left of the front of the car struck the left side of the pedestrian, who fell off the left hand side of the car and rolled along the road, coming to rest at point B. The car stopped at about point E.

Case Details

<i>Case Number</i>	85 - H022	<i>Calculation type</i>	2.3
<i>Date of Accident</i>	Monday, April	<i>Time</i>	4 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	111 km/hr	<i>Travel Speed Source</i>	Momentum Calculation
<i>Impact Speed</i>	100 km/hr	<i>Impact Speed Source</i>	Momentum calculation

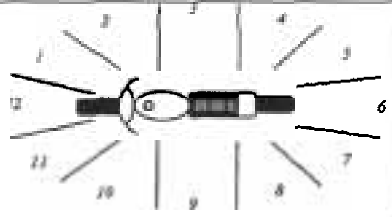
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	48
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	21
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	4 years
<i>Licence Type</i>	Full motorcycle
<i>Driver Action</i>	Braked before impact

Impact Vehicle Details

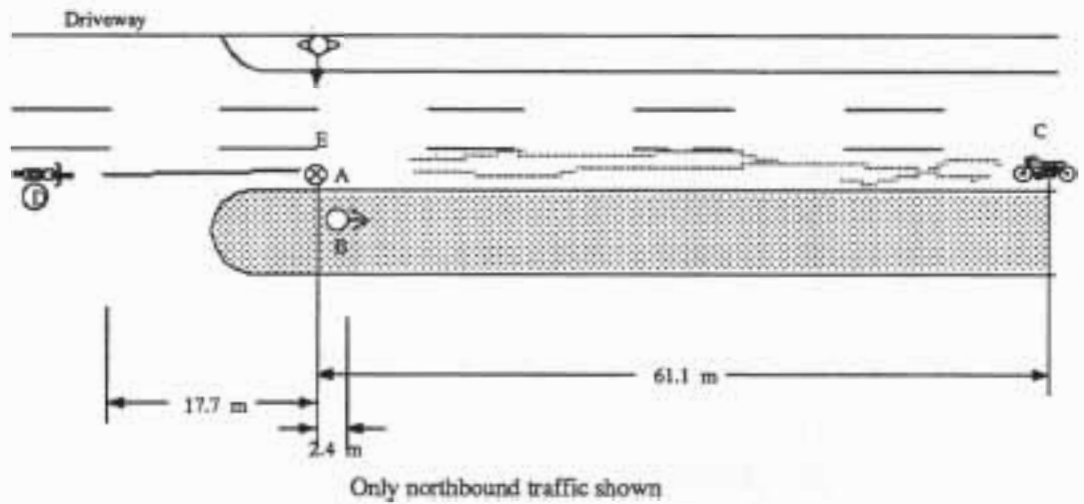
<i>Vehicle Model</i>	1981 Yamaha 1100cc road bike	
<i>Type</i>	Motorcycle	
<i>Impact Point</i>	12	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	3	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Raised median strip		

Reduced Travel Speed Analysis

	5 km/hr	10 km/hr	10%	20%
Travel Speed (km/hr)	106	101	100	89
Impact Speed (km/hr)	75	65	63	37



LEGEND			
	Impact point	A	Impact point
	Final position of pedestrian	B	Final position of pedestrian
	Skidmark	C	Final position of motorcycle
	Scrapemark	D	Vehicle position when rider first saw the Pedestrian.
	Motor cycle	E	Pedestrian position when first seen by rider.
	Direction of pedestrian movement		
SCALE			N

Accident Description

Vehicle 1 was travelling at about 111 km/hr in a northerly direction in the right hand lane. The rider saw the pedestrian in the centre of the middle lane at point E crossing in an easterly direction. The rider began to brake at point D, but released the brakes when the pedestrian appeared to to have stopped. However, the pedestrian then walked in front of the motorcycle. The rider braked hard. The motorcycle skidded, colliding with the pedestrian at point A. The pedestrian was hit on her right hand side and fell to the roadway, stopping at point B. The motorcycle fell on its side and slid along the road coming to rest at point C. The position where the rider came to rest was not recorded.



<i>Fatal</i>	Yes
<i>Age</i>	12
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

<i>Age</i>	28
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	12 years
<i>Licence Type</i>	Full motorcycle
<i>Driver Action</i>	Braked after impact

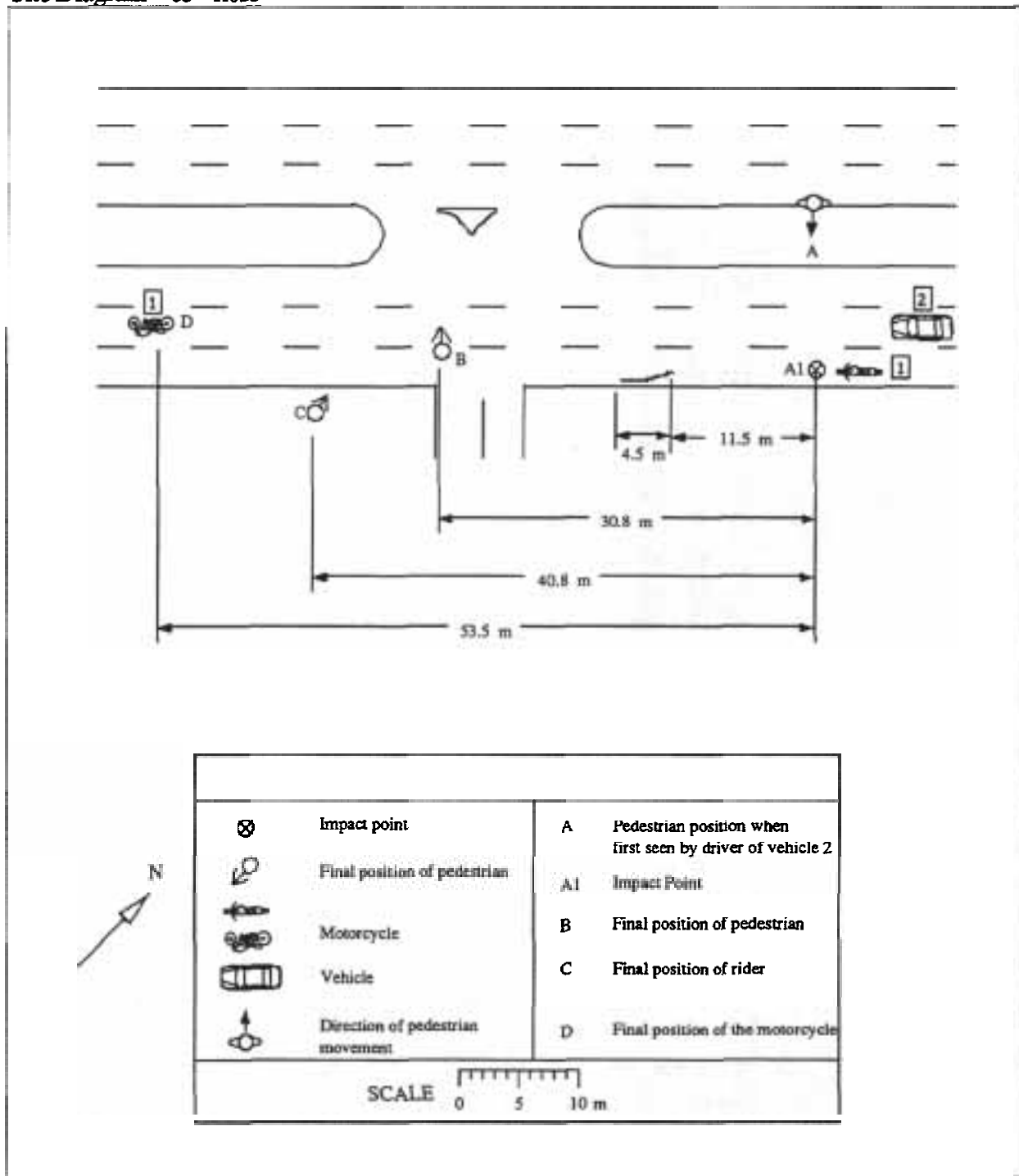


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	3	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Raised median strip		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	55	50	54	48



Accident Description

Vehicle 1 (the motorcycle) was travelling at about 60 km/hr in a south-westerly direction in the left hand lane. The driver of vehicle 2 was travelling in the centre lane and said that he sighted the pedestrian when he was 10 to 15 metres away standing on the median strip at point A. The pedestrian then ran south-east across the road. Vehicle 1 over took vehicle 2 just as the pedestrian crossed in front of it and collided with the left hand side of the pedestrian at point A1. The motorcycle fell on its side and slid along the road leaving tyre and scrape marks. The motorcycle came to rest at point D and the rider stopped at point C. The pedestrian thrown along the road and slid till he stopped at point B.

Case Details

<i>Case Number</i>	85 - H025	<i>Calculation type</i>	1
<i>Date of Accident</i>	Thursday, May	<i>Time</i>	3 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	30 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	30 km/hr	<i>Impact Speed Source</i>	Driver

Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	83
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	70
<i>Sex</i>	Female
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	25 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked after impact

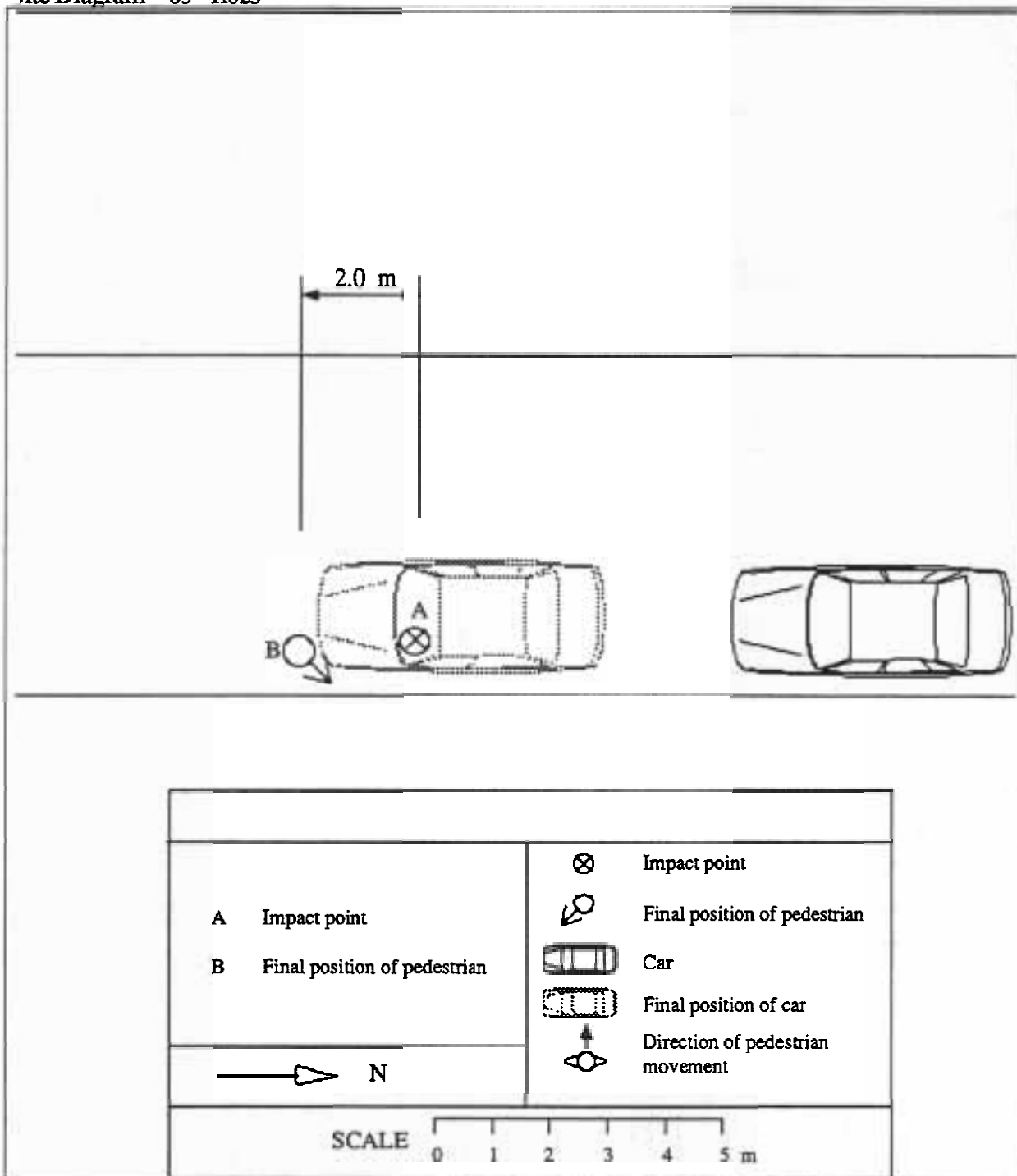
Impact Vehicle Details



Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Heavy	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Centre line		

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	25	20	27	24
Impact Speed (km/hr)	25	20	27	24



Accident Description

The car was travelling at 30 km/hr in a southerly direction in heavy traffic when the pedestrian, crossing the road in a westerly direction, stepped in front of it. He was hit on the right hand side by the left side of the front of the car. The driver did not see the pedestrian before the impact but heard a thump at point A and a person suddenly appeared on the the left side of the bonnet. He then braked and the pedestrian slid off the bonnet, coming to rest at point B, stopped immediately in front of the stationary car and 2 metres from the point of impact.



Pedestrian Details

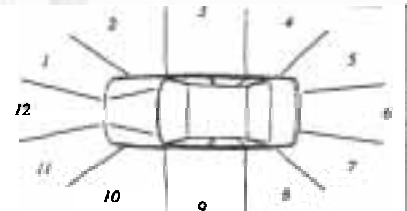
<i>Fatal</i>	Yes
<i>Age</i>	32
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.352 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

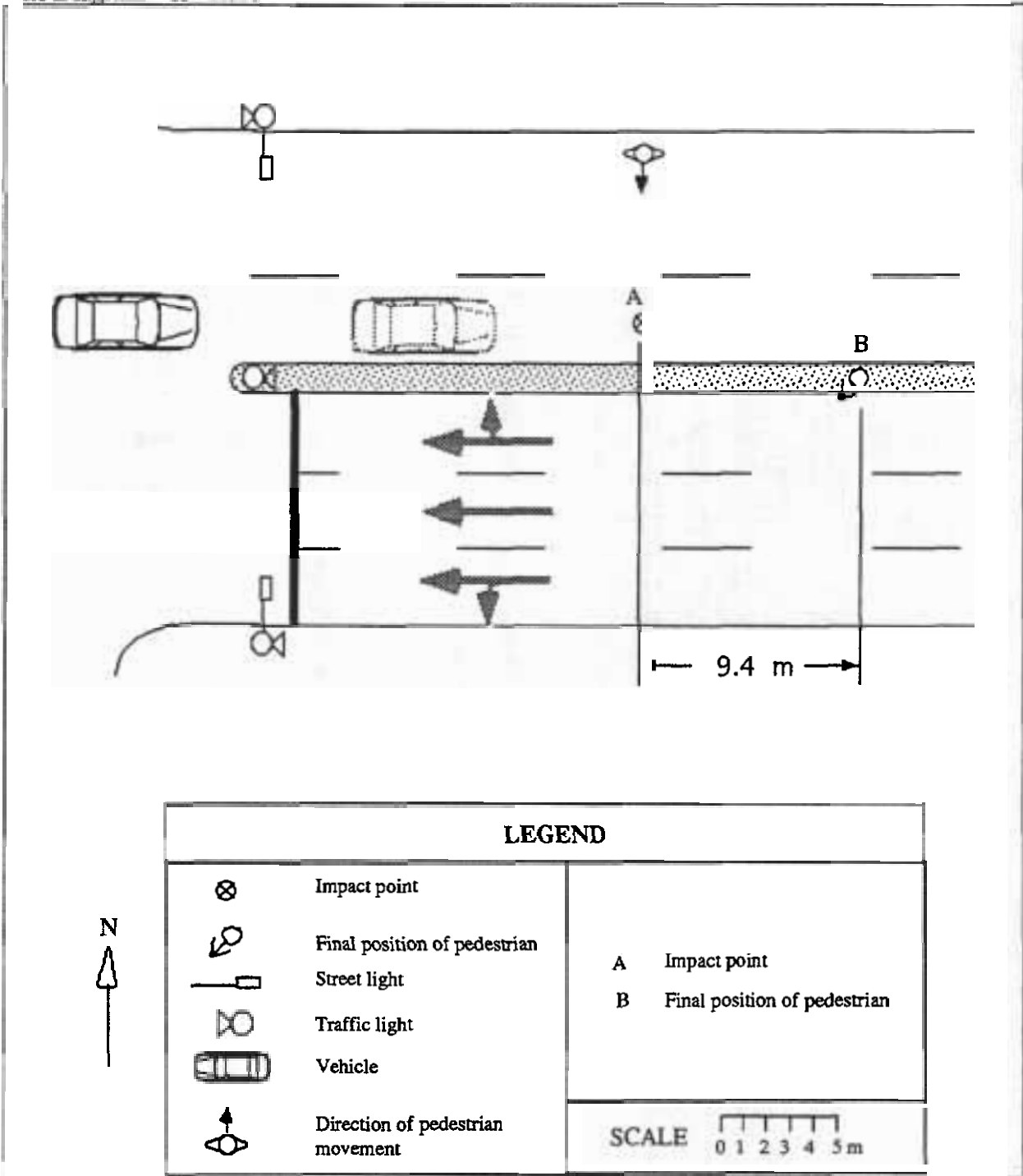
<i>Age</i>	26
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	6 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked before impact

Impact Vehicle Details

<i>Vehicle Model</i>	1977 Toyota Celica sports coupe	<i>Impact Point</i>	12
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		



	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	50	45	50	44
Impact Speed (km/hr)	20	0	17	0



Accident Description

The car was travelling in an easterly direction at 55 km/hr in the right hand lane. The driver states that he had just come through the intersection when he saw the pedestrian in the left lane staggering in a southerly direction across the road. He immediately to about 30 km/hr but struck the pedestrian at point A. The pedestrian was hit on his right side by the right side of the front of the car. He was thrown onto the bonnet, hitting his head on the lower windscreen frame, and was thrown up over the roof before coming to rest at point B.

Case Details

<i>Case Number</i>	85 - H032	<i>Calculation type</i>	1
<i>Date of Accident</i>	Sunday, June	<i>Time</i>	11 am
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	40 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	40 km/hr	<i>Impact Speed Source</i>	Driver

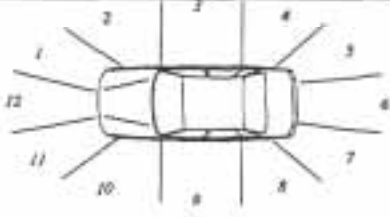
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	6
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	19
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	3 years
<i>Licence Type</i>	Learners Permit
<i>Driver Action</i>	Braked after impact

Impact Vehicle Details

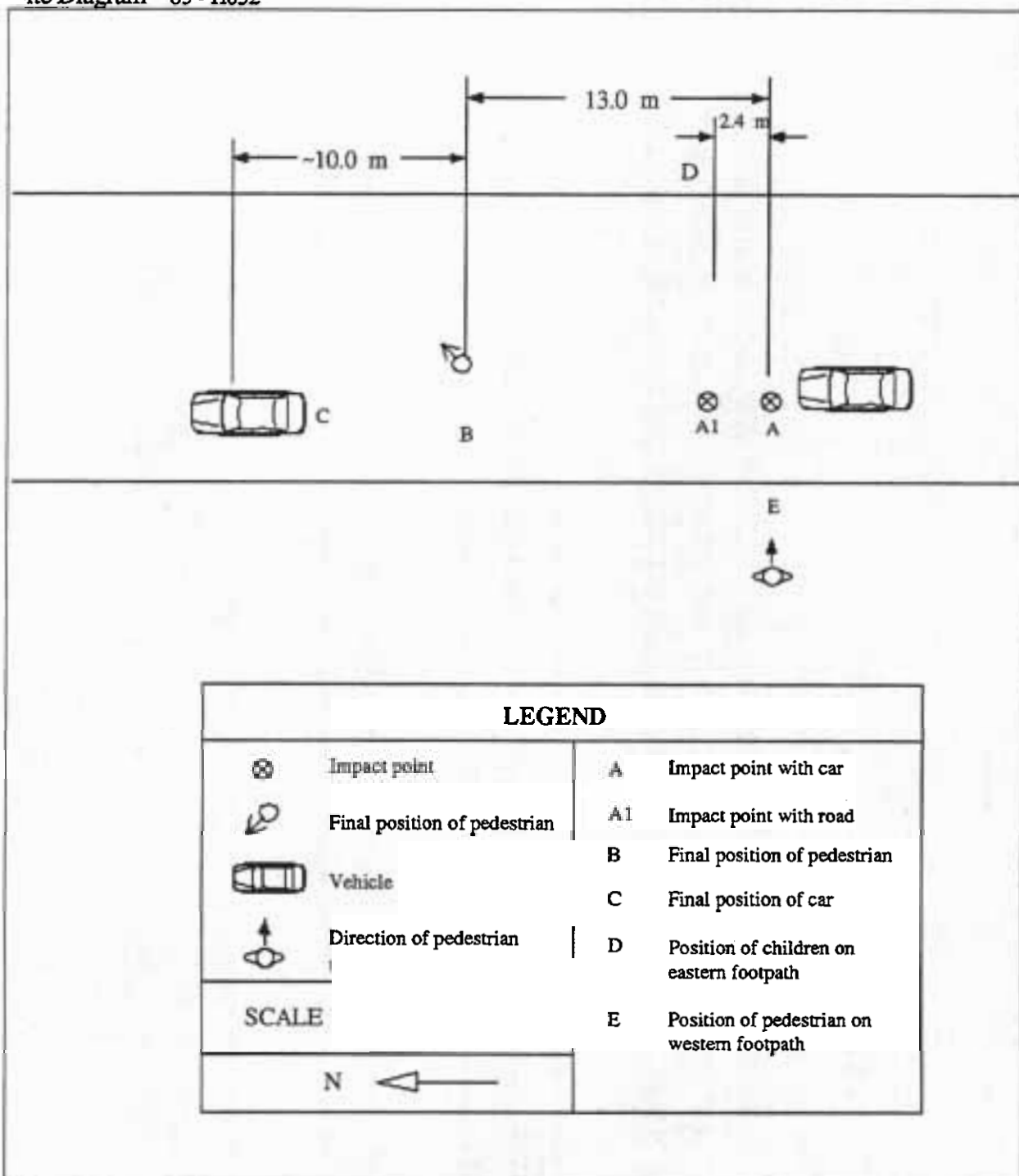
<i>Vehicle Model</i>	1970 Holden Kingswood sedan	
<i>Type</i>	Car	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Local street
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	None		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	35	30	36	32
Impact Speed (km/hr)	35	30	36	32



Accident Description

The car was travelling at 40 km/hr in a northerly direction. The driver saw two children at point D on the eastern footpath. Another child, who was standing on the western footpath at point E, ran in front of the car. The passenger saw a small child running on the road and told the driver to brake. The driver heard a thump and then braked to a stop. The left side of the front of the car, including the headlight, struck the right hand side of the child at point A throwing him to the road at point A1. He slid along the road and stopped at point B. The car stopped at point C.

Case Details

<i>Case Number</i>	85 - H034	<i>Calculation type</i>	4.1
<i>Date of Accident</i>	Thursday, June	<i>Time</i>	3 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	60 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	10 km/hr	<i>Impact Speed Source</i>	Projection distance

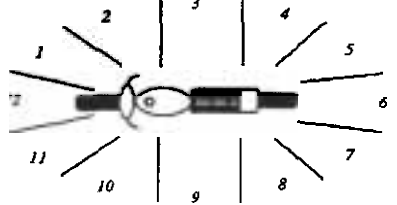
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	72
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	26
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	1 years
<i>Licence Type</i>	Unlicensed
<i>Driver Action</i>	Braked before impact

Impact Vehicle Details

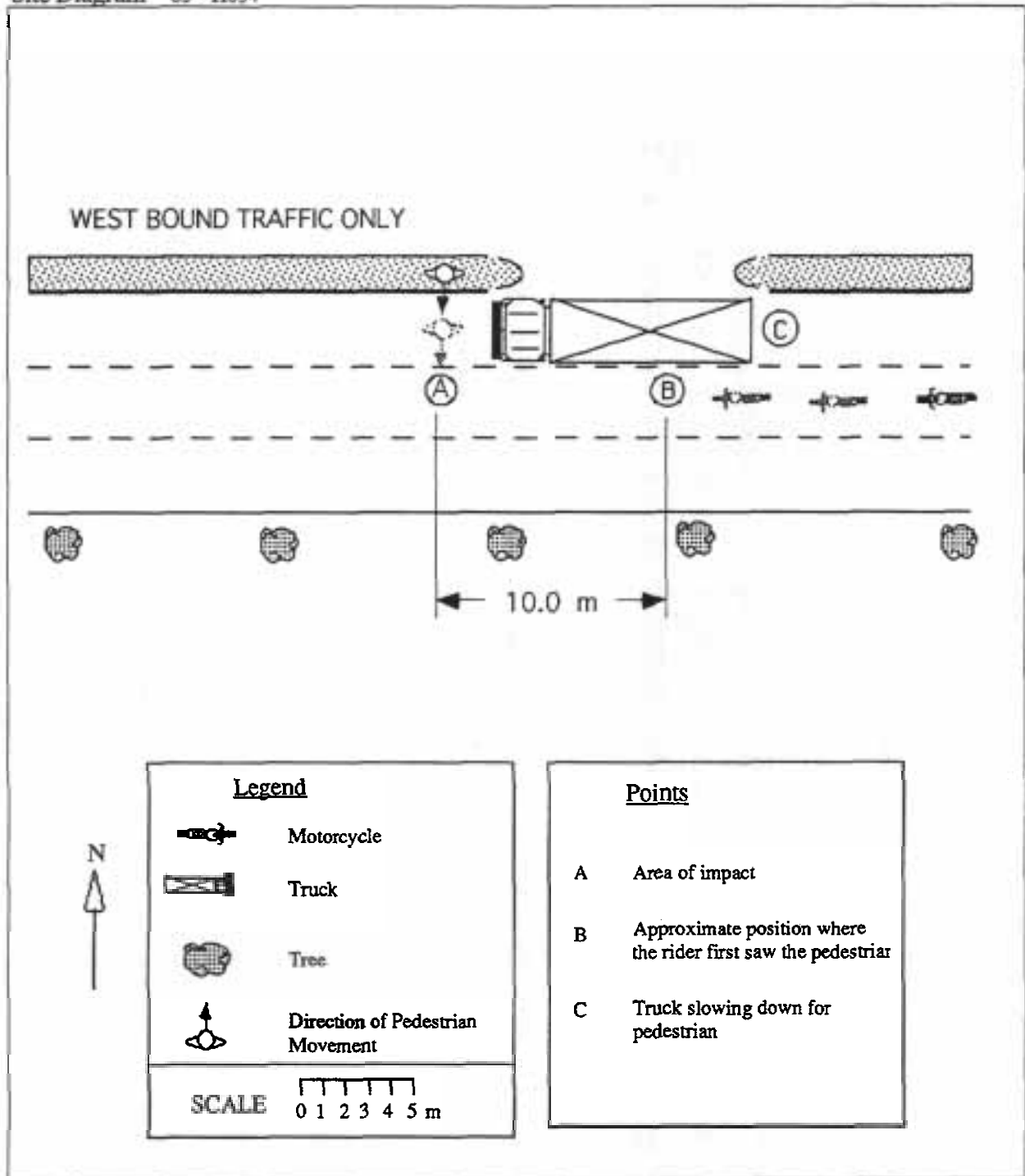
<i>Vehicle Model</i>	1984 Suzuki 650cc road bike	
<i>Type</i>	Motorcycle	
<i>Impact Point</i>	11	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	3	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Raised median strip		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	0	0	0	0



Accident Description

A motorcycle was travelling west in the centre lane of three west bound traffic lanes at about 60 km/hr. The pedestrian was crossing the road in a southerly direction. A truck, which was slightly ahead of the motorcycle in the lane closest to the median strip, obscured the rider's view to the right. The truck had slowed down for the pedestrian to cross when she appeared in front of it and stepped directly into the motorcycle's path. The rider braked and had almost managed to stop his machine when he collided with the pedestrian. The pedestrian was hit by the left hand side of the handle bars of the motorcycle and was knocked to the roadway.

Case Details

<i>Case Number</i>	85 - H035	<i>Calculation type</i>	2.2
<i>Date of Accident</i>	Wednesday, June	<i>Time</i>	6 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	60 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	46 km/hr	<i>Impact Speed Source</i>	Skid marks

Pedestrian Details

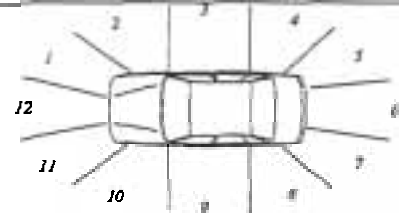
<i>Fatal</i>	Yes
<i>Age</i>	11
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	23
<i>Sex</i>	Male
<i>BAC Driver</i>	0.02 %
<i>Driving Experience</i>	6 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked after impact

Impact Vehicle Details

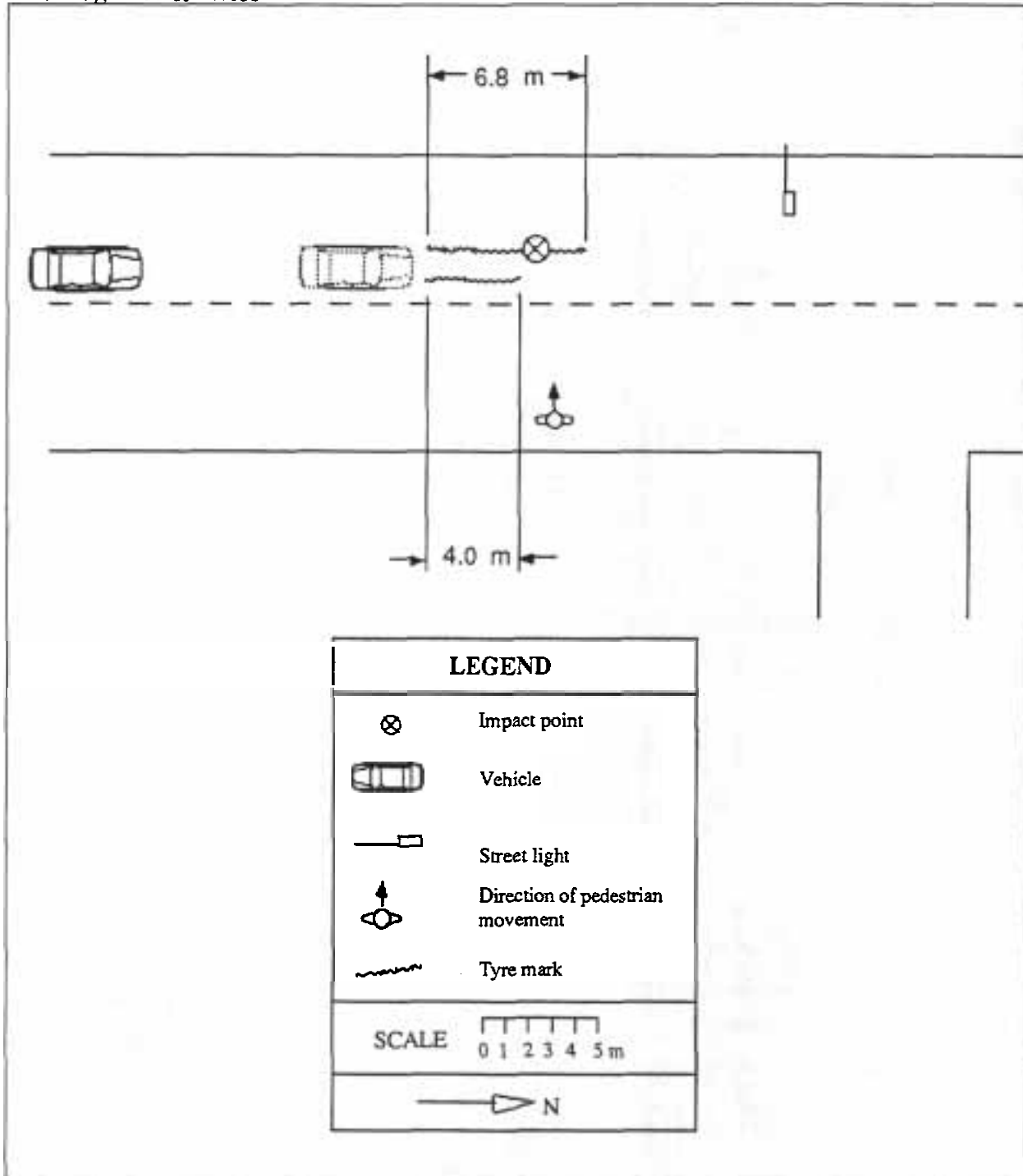
<i>Vehicle Model</i>	1974 Ford Cortina sedan	<i>Impact Point</i>	11
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		



Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Other main traffic route
<i>Traffic Conditions</i>	Moderate		
<i>Weather Conditions</i>	Fine, dry road	<i>Road Alignment</i>	Straight
<i>Number of Lanes</i>	1	<i>Natural Lighting</i>	Night
<i>Road Division</i>	Centre line	<i>Street Lighting</i>	Street lights

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	33	10	30	0



Accident Description

The car was travelling in a northerly direction at about 60 km/hr. The pedestrian, an 11 year old girl, ran across the road in a westerly direction from the eastern footpath. The driver stated that his view was obscured by the headlights of on-coming vehicles and that he only saw the pedestrian when she was directly in front of him. Skid marks were found before the point of impact. The pedestrian was hit by the left front corner of the car and was thrown into the air landing to the left of the car. The final position of the pedestrian was not recorded.

Case Details

<i>Case Number</i>	85 - H038	<i>Calculation type</i>	2.3
<i>Date of Accident</i>	Wednesday, July	<i>Time</i>	2 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	105 km/hr	<i>Travel Speed Source</i>	Momentum Calculation
<i>Impact Speed</i>	98 km/hr	<i>Impact Speed Source</i>	Momentum calculation

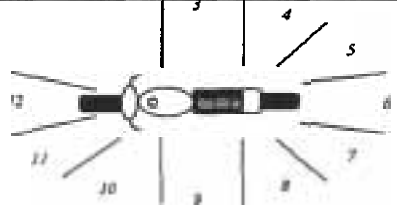
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	55
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.019 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	Unknown
<i>Sex</i>	
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	Unknown
<i>Licence Type</i>	Unknown
<i>Driver Action</i>	Braked before impact

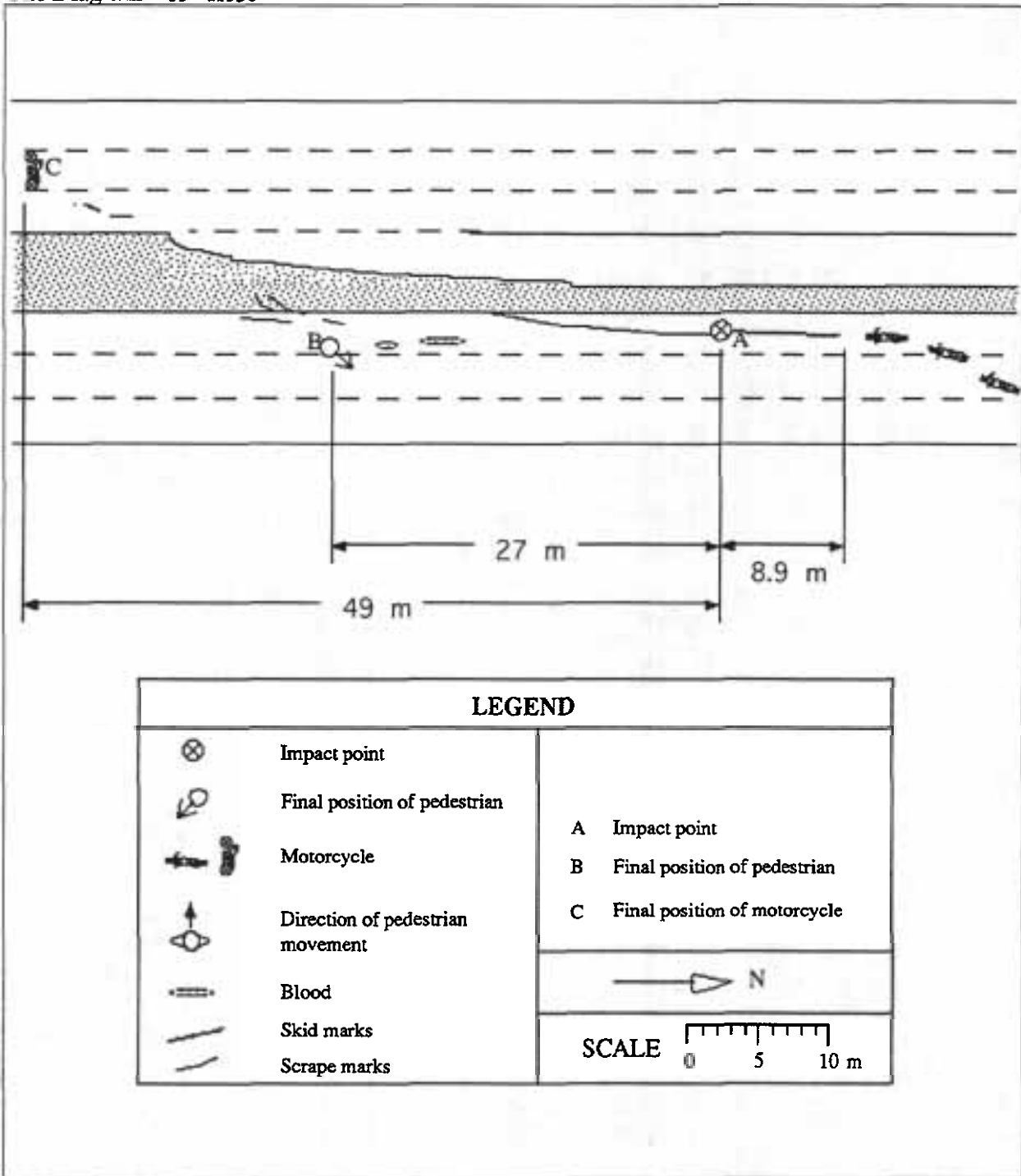
Impact Vehicle Details

<i>Vehicle Model</i>	1983 Honda 1100cc road bike	
<i>Type</i>	Motorcycle	
<i>Impact Point</i>	1	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	3	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Raised median strip		

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	100	95	94	84
Impact Speed (km/hr)	78	69	69	48



Accident Description

The motorcycle was travelling south in the left hand lane, at a speed estimated to be 105 km/hr. The motorcycle then changed into the right hand lane before striking the pedestrian at point A. The pedestrian was crossing from west to east. The pedestrian was thrown along the road to point B, and the motorcycle came to rest at point C.

Case Details

<i>Case Number</i>	85 - H045	<i>Calculation type</i>	2.3
<i>Date of Accident</i>	Wednesday, September	<i>Time</i>	11 am
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	71 km/hr	<i>Travel Speed Source</i>	Momentum Calculation
<i>Impact Speed</i>	71 km/hr	<i>Impact Speed Source</i>	Momentum calculation

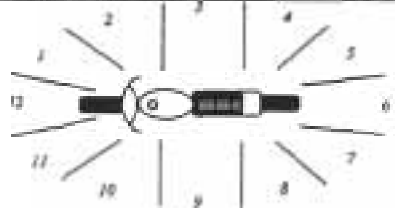
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	80
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0%
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	28
<i>Sex</i>	Male
<i>BAC Driver</i>	0%
<i>Driving Experience</i>	5 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked before impact

Impact Vehicle Details

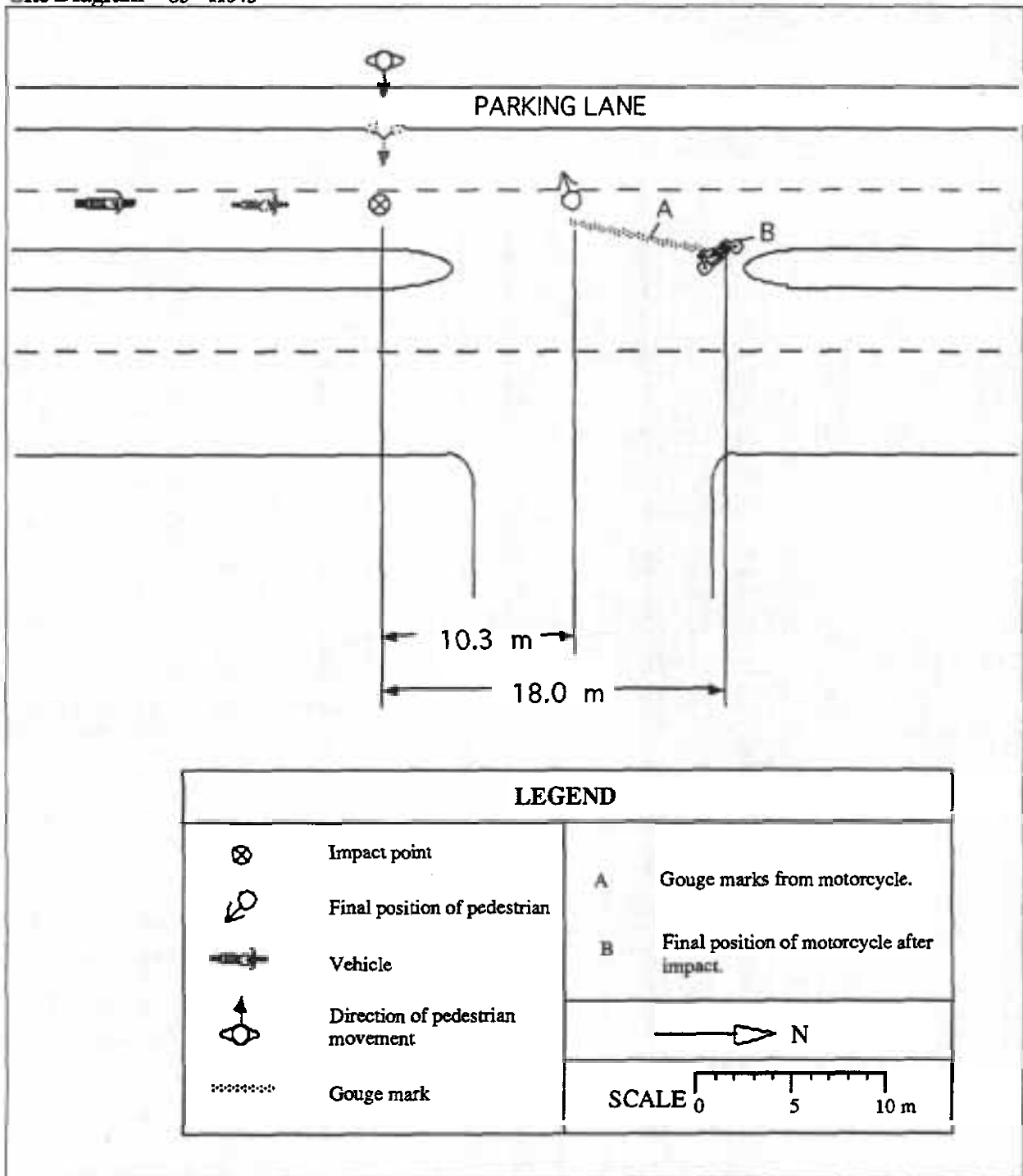
<i>Vehicle Model</i>	1984 Honda 900cc road bike	
<i>Type</i>	Motorcycle	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Painted median strip		

Reduced Travel Speed Analysis

	5 km/hr	10 km/hr	10%	20%
Travel Speed (km/hr)	66	61	64	57
Impact Speed (km/hr)	64	55	60	47



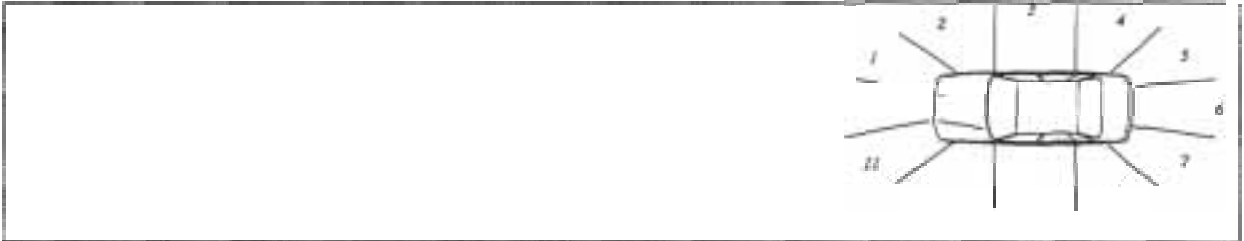
Accident Description

The motorcycle was travelling north in the right hand lane and collided with a pedestrian walking across the road from west to east. The rider stated that he was travelling at about 50 km/hr when he saw the pedestrian about 6 metres directly in front of him. The travel speed calculated gave a value of 71 km/hr. The rider turned the handlebars and applied the foot brake before impact. The rider and motorcycle then fell to the roadway.



Fatal Yes
Age 62
Sex Female
BAC Pedestrian 0 %
Action Walking
Movement Crossing the road
Side Impacted Left side to vehicle

Age 21
Sex Male
BAC Driver 0.015 %
Driving Experience 6 years
Licence Type Full
Driver Action No evasive action



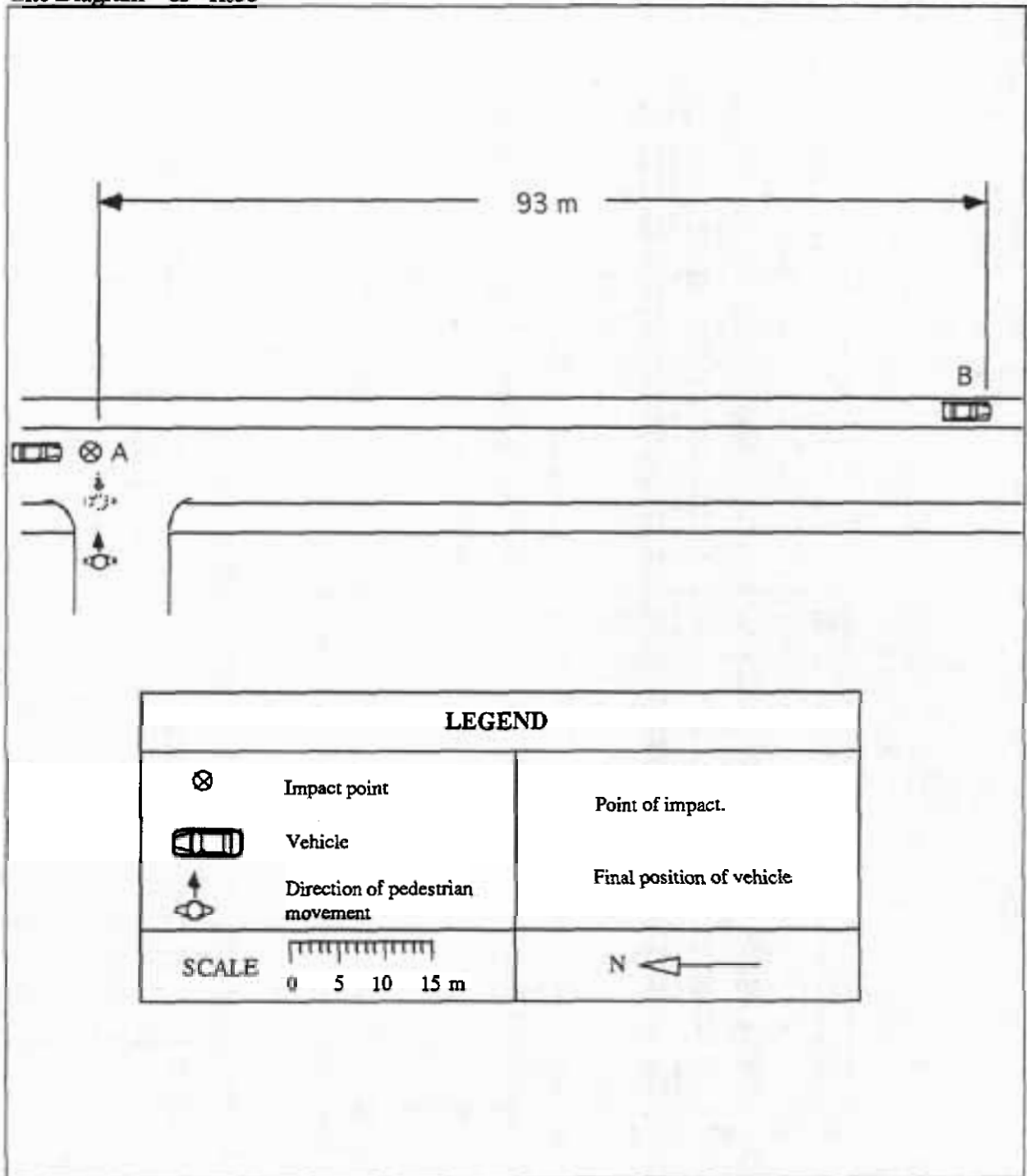
Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Local street
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	None		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	55	50	54	48

Site Diagram 85 - H050



Accident Description

The vehicle was travelling south when it collided with a pedestrian who was crossing the road from west to east. The driver stated that he was travelling about 60 km/hr. The driver did not see the pedestrian prior to impact, therefore no evasive action was taken. He also stated that just prior to impact he was distracted by two other pedestrians walking south along the eastern footpath. The pedestrian was wearing dark clothing at the time of the accident. The pedestrian was hit on the left hand side by the front left hand side of the vehicle.

Case Details

<i>Case Number</i>	85 - H051	<i>Calculation type</i>	1
<i>Date of Accident</i>	Thursday, October	<i>Time</i>	3 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	55 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	55 km/hr	<i>Impact Speed Source</i>	Driver

Pedestrian Details

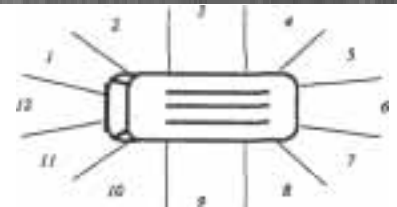
<i>Fatal</i>	Yes
<i>Age</i>	64
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.199 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	22
<i>Sex</i>	Female
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	1 years
<i>Licence Type</i>	None
<i>Driver Action</i>	Swerved, did not brake

Impact Vehicle Details

<i>Vehicle Model</i>	1983 Toyota Tarago	<i>Impact Point</i>	1
<i>Type</i>	Forward control passenger vehicle		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

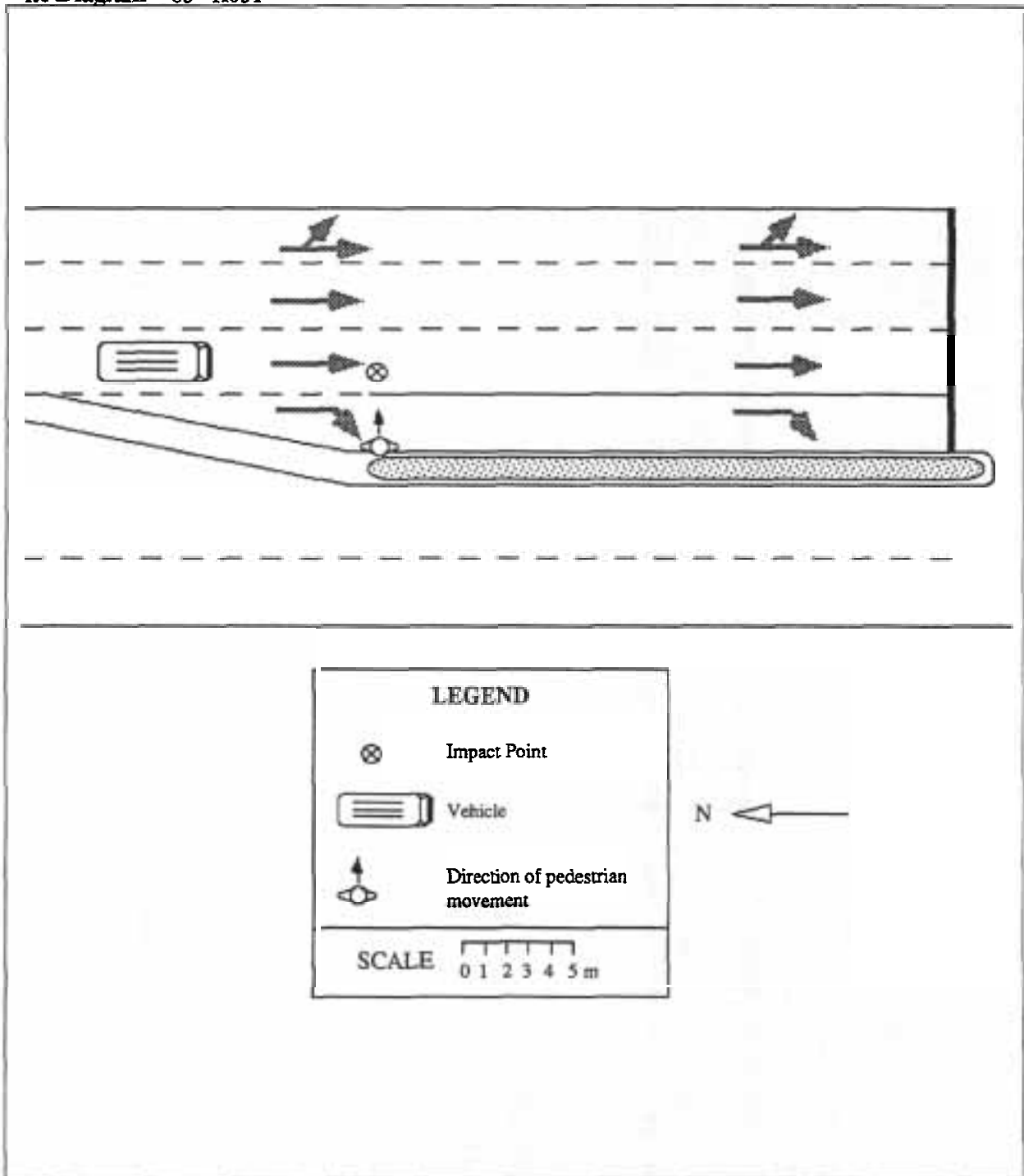


Road Site Details

<i>Traffic Control</i>	Traffic signal at intersection	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	4	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Raised median strip		

Reduced Travel Speed Analysis

	5 km/hr	10 km/hr	10%	20%
Travel Speed (km/hr)	50	45	50	44
Impact Speed (km/hr)	50	45	50	44



Accident Description

The vehicle was travelling in a southerly direction at 55 km/hr. The driver saw the pedestrian on the median strip and walking in a easterly direction. The driver slightly moved her vehicle to the left to avoid the pedestrian who she thought would stop on the lane line and let her pass. She didn't brake or slow her vehicle. The pedestrian did not stop and walked into the path of the van. The driver had no time to avoid the collision, but swerved sharply to the left. The pedestrian was hit on his left hand side by the front right corner of the van. His head impacted the top of the windscreen and he was thrown forward. The final body and car positions could not be located.

Case Details

<i>Case Number</i>	85 - H061	<i>Calculation type</i>	1
<i>Date of Accident</i>	Tuesday, November	<i>Time</i>	9 am
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	50 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	50 km/hr	<i>Impact Speed Source</i>	Driver

Pedestrian Details

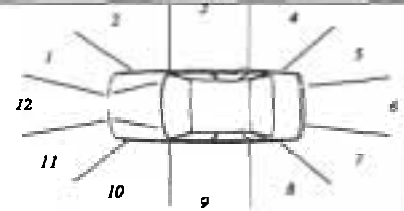
<i>Fatal</i>	Yes
<i>Age</i>	90
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	24
<i>Sex</i>	Male
<i>BAC Driver</i>	0.12 %
<i>Driving Experience</i>	9 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	No evasive action

Impact Vehicle Details

<i>Vehicle Model</i>	1978 Ford XC sedan	<i>Impact Point</i>	11
<i>Type</i>			
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

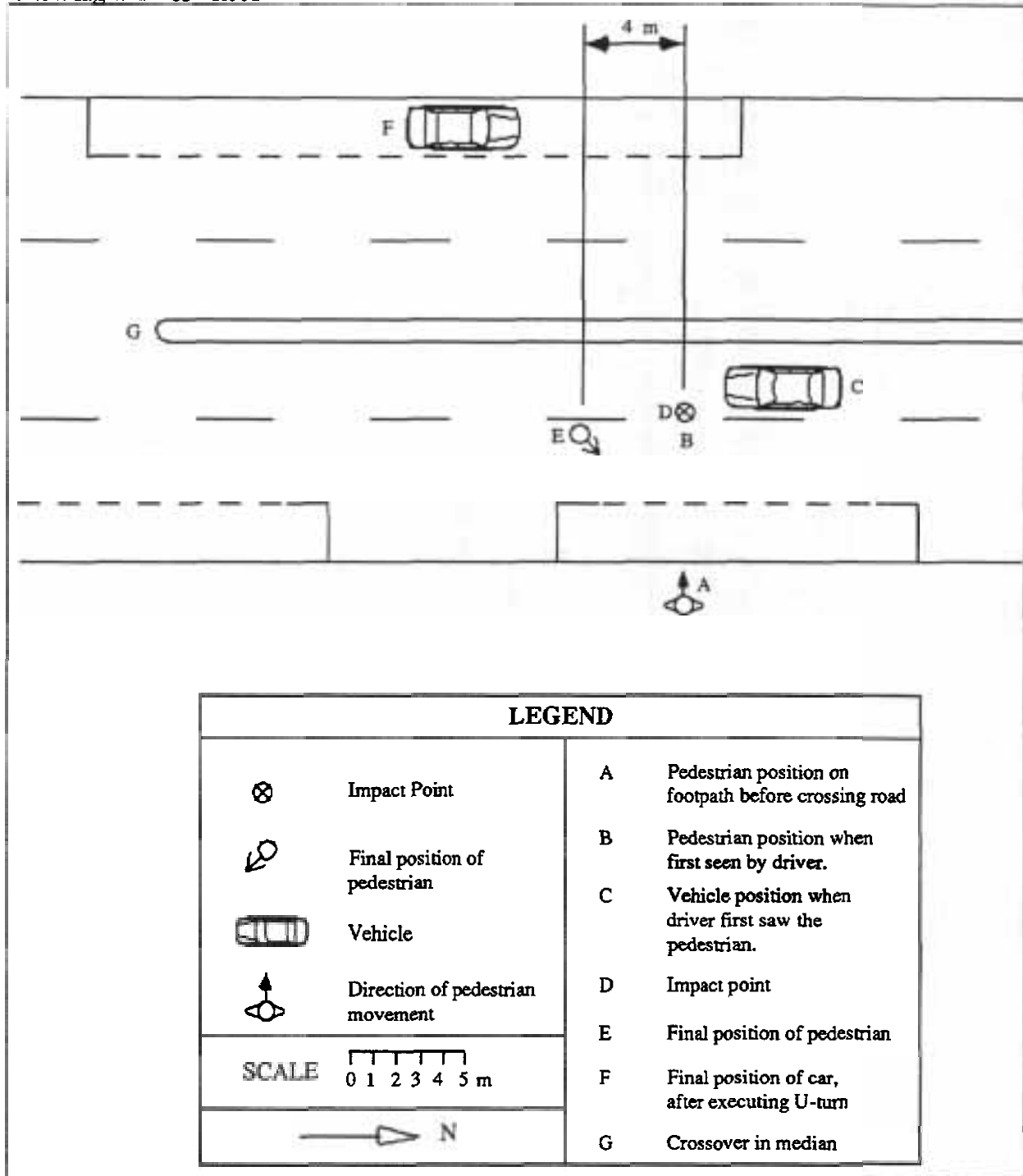


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Raised median strip		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	45	40	45	40
Impact Speed (km/hr)	45	40	45	40



Accident Description

Vehicle 1 was travelling at 50 km/hr in a southerly direction in the right hand lane. The driver was going to do a U turn at point G, a crossover in the median strip. The pedestrian was on the eastern footpath at point A and looked north and south, then began to cross the road in a westerly direction. The driver did not see the pedestrian until she was 2 feet east of the vehicle (point B) walking west. The vehicle was at point C. The driver thought she had seen the car and continued. He then heard and felt a thump, when the front left corner of his car hit the pedestrian at point A. The pedestrian was struck on the right hand side and rolled onto the fender, striking her head on the windscreen then breaking off the left hand side mirror. She came to rest at point E. The car continued with the U turn and stopped on the other side of the road at about point F.

Case Details

<i>Case Number</i>	85 - H070	<i>Calculation type</i>	3.1
<i>Date of Accident</i>	Friday, December	<i>Time</i>	4 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	55 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	54 km/hr	<i>Impact Speed Source</i>	Projection distance

Pedestrian Details

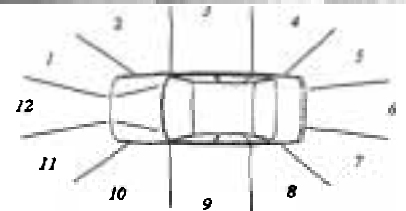
<i>Fatal</i>	Yes
<i>Age</i>	14
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	22
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	2 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked after impact

Impact Vehicle Details

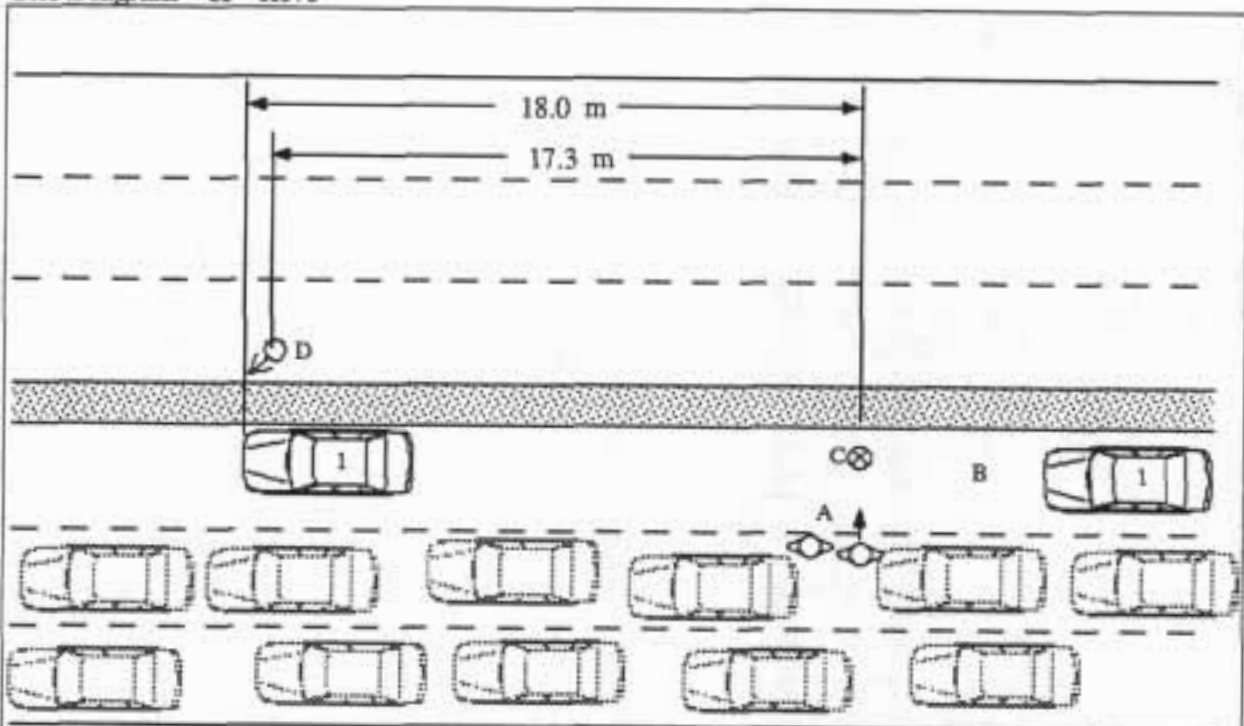
<i>Vehicle Model</i>	1984 Mazda sedan	<i>Impact Point</i>	11
<i>Type</i>			
<i>Number Involved</i>	1		
<i>Modifications</i>	None		



Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Heavy	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	3	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Raised median strip		

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	50	45	50	44
Impact Speed (km/hr)	42	27	41	22



LEGEND			
	Impact point	A	Initial position of pedestrians
	Final position of pedestrian	B	Position of the car when the pedestrian ran forward
	Vehicle	C	Impact point
	Direction of pedestrian movement	D	Final position of struck pedestrian
SCALE 0 1 2 3 4 5 m		E	Final position of car



Accident Description

The vehicle was travelling in a south westerly direction at about 55 km/hr. The driver saw two pedestrians standing on the line between the centre and right hand lanes facing in a north westerly direction (point A). Traffic was stationary in the left and centre lanes. When the driver said that when he was 2 to 3 metres (probably an under estimate) from the pedestrians (point B), one ran in front of his car and was hit at point C. The front of the right side of the car struck the right side of the pedestrian who then struck her head on the windscreen, and fell off the right side of the car, coming to rest at point D. The driver braked as soon as he saw her run into his path, but did not brake until after the impact. The car stopped at point E.

Case Details

<i>Case Number</i>	85 - H073	<i>Calculation type</i>	1
<i>Date of Accident</i>	Saturday, December	<i>Time</i>	12 am
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	100 km/hr	<i>Travel Speed Source</i>	Witness
<i>Impact Speed</i>	100 km/hr	<i>Impact Speed Source</i>	Witness

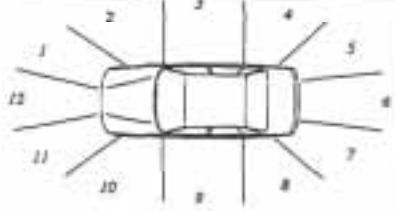
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	27
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.123 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	19
<i>Sex</i>	Male
<i>BAC Driver</i>	0.07 %
<i>Driving Experience</i>	3 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	No evasive action

Impact Vehicle Details

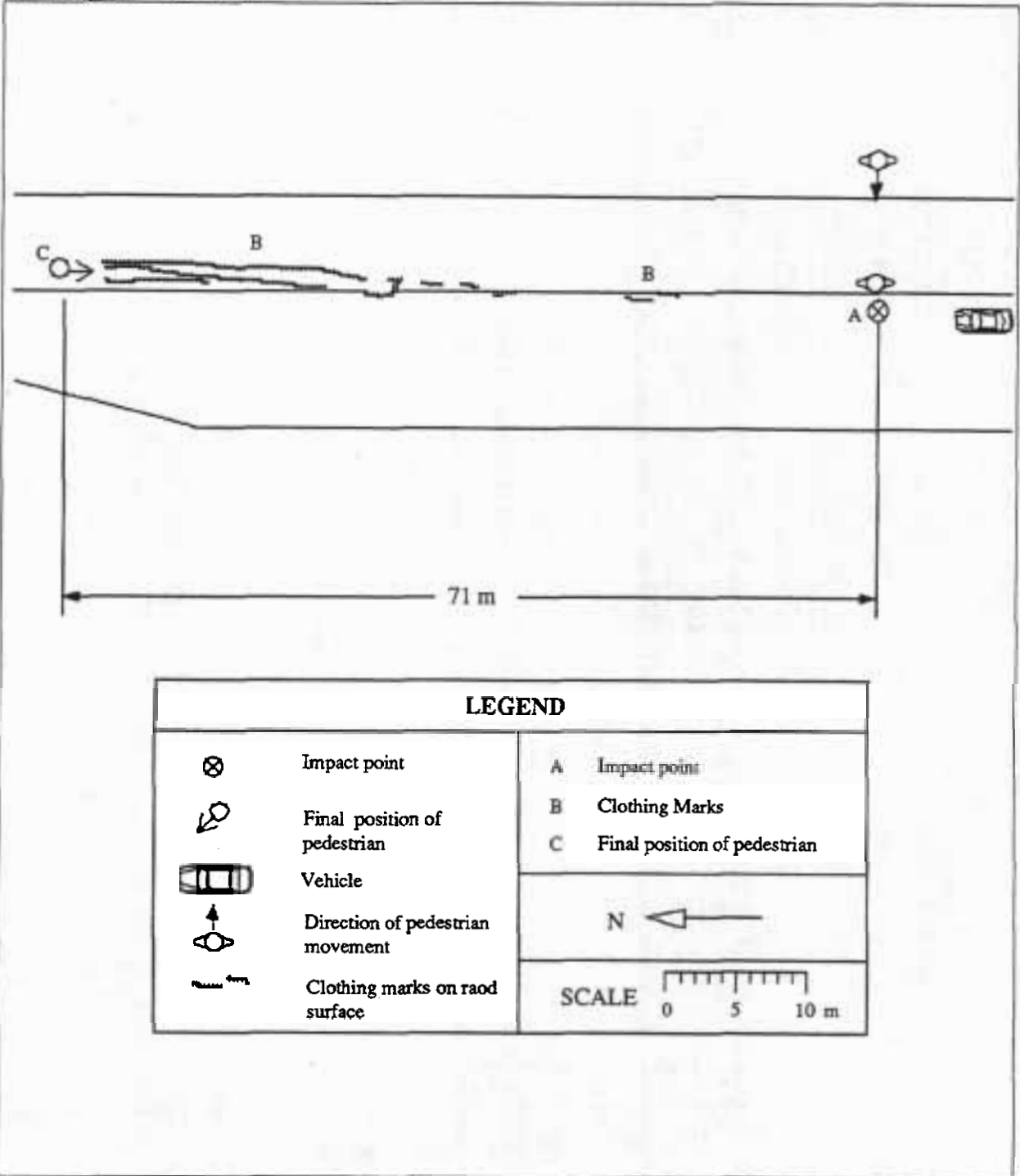
<i>Vehicle Model</i>	1973 Holden HX sedan	<i>Impact Point</i>	1
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Local street
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Centre line		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	95	90	90	80
Impact Speed (km/hr)	95	90	90	80



Accident Description

The vehicle was travelling at 100 km/hr in a northerly direction. The pedestrian was walking from the eastern footpath across the road. He stopped past the centre line and was moving backwards when he was hit. The car did not brake or swerve and continued on after the impact. The pedestrian was hit on the his left hand side by the front of the right fender. He rolled onto the fender, striking the top of the fender with his head. He then came to rest at point C.

Case Details

<i>Case Number</i>	86 - H006	<i>Calculation type</i>	1
<i>Date of Accident</i>	Sunday, January	<i>Time</i>	9 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	70 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	70 km/hr	<i>Impact Speed Source</i>	Driver

Pedestrian Details

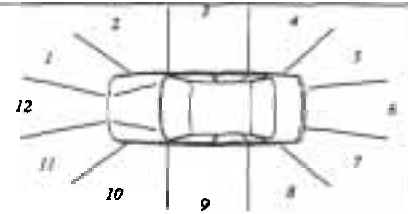
<i>Fatal</i>	Yes
<i>Age</i>	80
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	36
<i>Sex</i>	Male
<i>BAC Driver</i>	Unknown
<i>Driving Experience</i>	20 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	No evasive action

Impact Vehicle Details

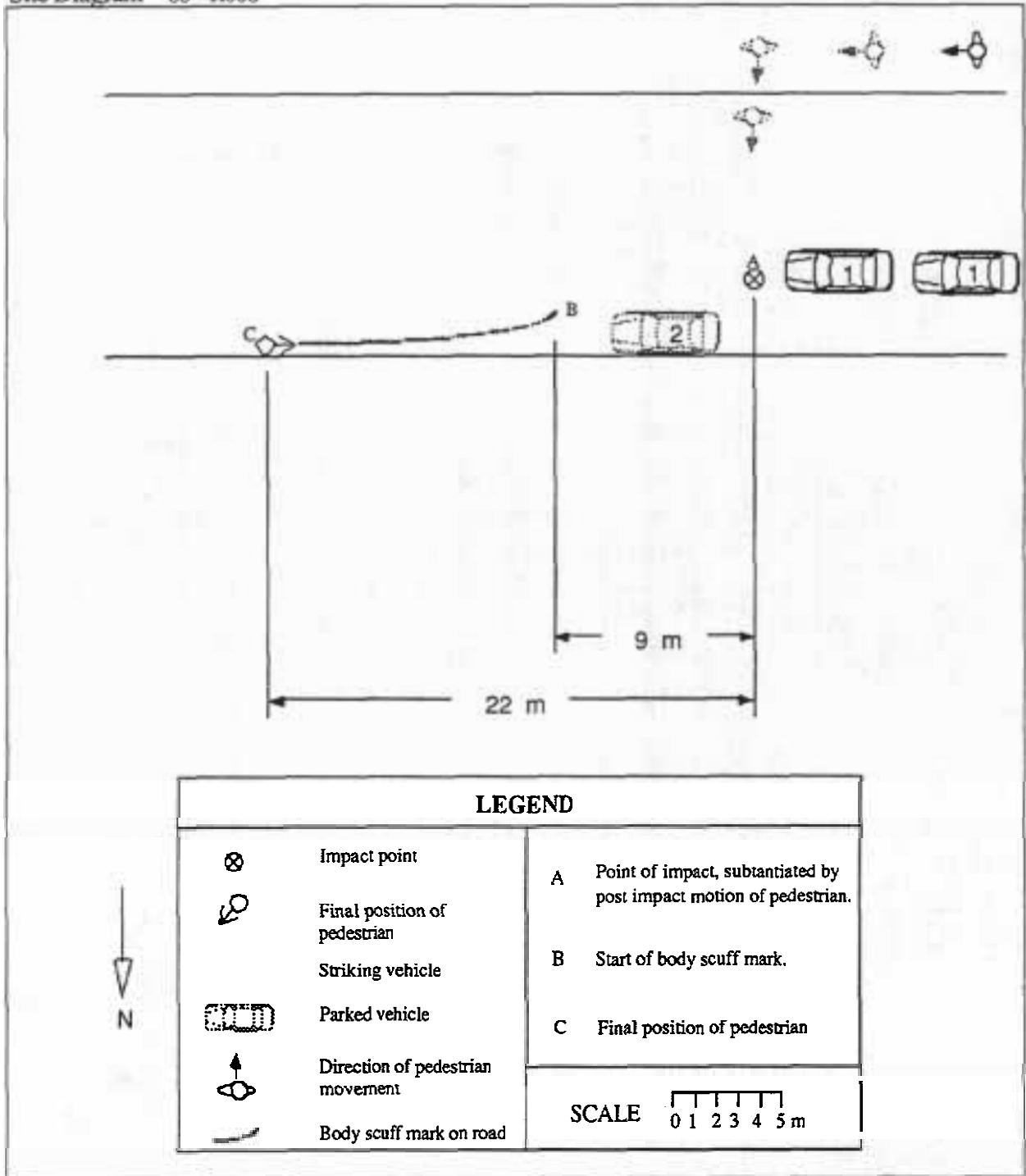
<i>Vehicle Model</i>	1968 Porsche 911T	<i>Impact Point</i>	11
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		



Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Local street
<i>Traffic Conditions</i>	Light		
<i>Weather Conditions</i>	Fine, dry road	<i>Road Alignment</i>	Straight
<i>Number of Lanes</i>	1	<i>Natural Lighting</i>	Night
<i>Road Division</i>	None	<i>Street Lighting</i>	Street lights

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	65	60	63	56
Impact Speed (km/hr)	65	60	63	56



Accident Description

An eighty year old woman pedestrian, crossing road from south to north was struck, at point A, by a car travelling east at about 70 km/hr plus (driver's estimate). The driver stated that he did not see the pedestrian before or after the collision and failed to stop because he thought that he had hit a dog. Pedestrian was hit by the front left corner of the vehicle on both lower legs. The left hand side of the windscreen was smashed in. The pedestrian came to rest at point C.

Case Details

<i>Case Number</i>	86 - H016	<i>Calculation type</i>	1
<i>Date of Accident</i>	Sunday, March	<i>Time</i>	7 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	70 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	70 km/hr	<i>Impact Speed Source</i>	Driver

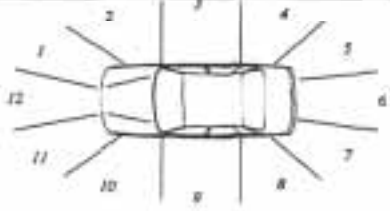
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	7
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Standing
<i>Movement</i>	Not applicable
<i>Side Impacted</i>	Facing vehicle

Driver Details

<i>Age</i>	18
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	2 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked after impact

Impact Vehicle Details

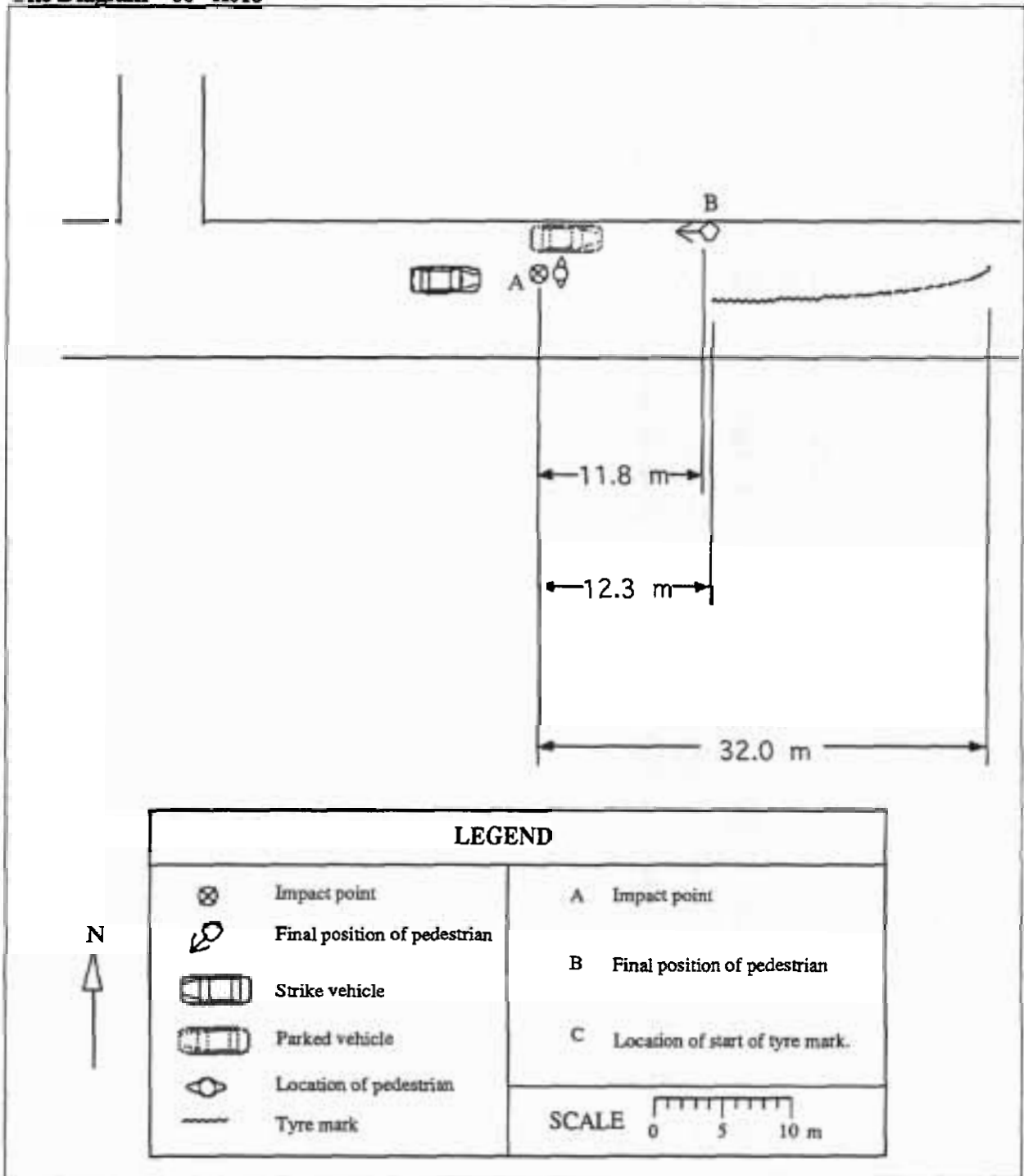
<i>Vehicle Model</i>	1985 Daihatsu Charade hatch back	
<i>Type</i>	Car	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Local street
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Dusk
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	Unknown
<i>Road Division</i>	None		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	65	60	63	56
Impact Speed (km/hr)	65	60	63	56



Accident Description

A 7 year old female pedestrian was standing or walking near the rear driver's side door of a car parked facing east on the northern side of the road. The pedestrian was struck by a Daihatsu Charade travelling east at point A. The driver stated that he was travelling at about 70 km/hr and did not see the pedestrian prior to or after the impact. He braked after he heard the impact, stopped the vehicle and returned to see that he had collided with a pedestrian. The pedestrian came to rest at point C. The pedestrian was facing the striking vehicle when hit. The point of impact on the vehicle was on the left front corner. The pedestrian's head struck the upper left fender close to the windscreen.

Case Details

<i>Case Number</i>	86 - H021	<i>Calculation type</i>	1
<i>Date of Accident</i>	Saturday, April	<i>Time</i>	7 pm
<i>Speed Limit</i>	km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	55 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	55 km/hr	<i>Impact Speed Source</i>	Driver

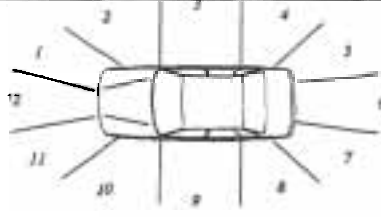
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	87
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	24
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	7 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	No evasive action

Impact Vehicle Details

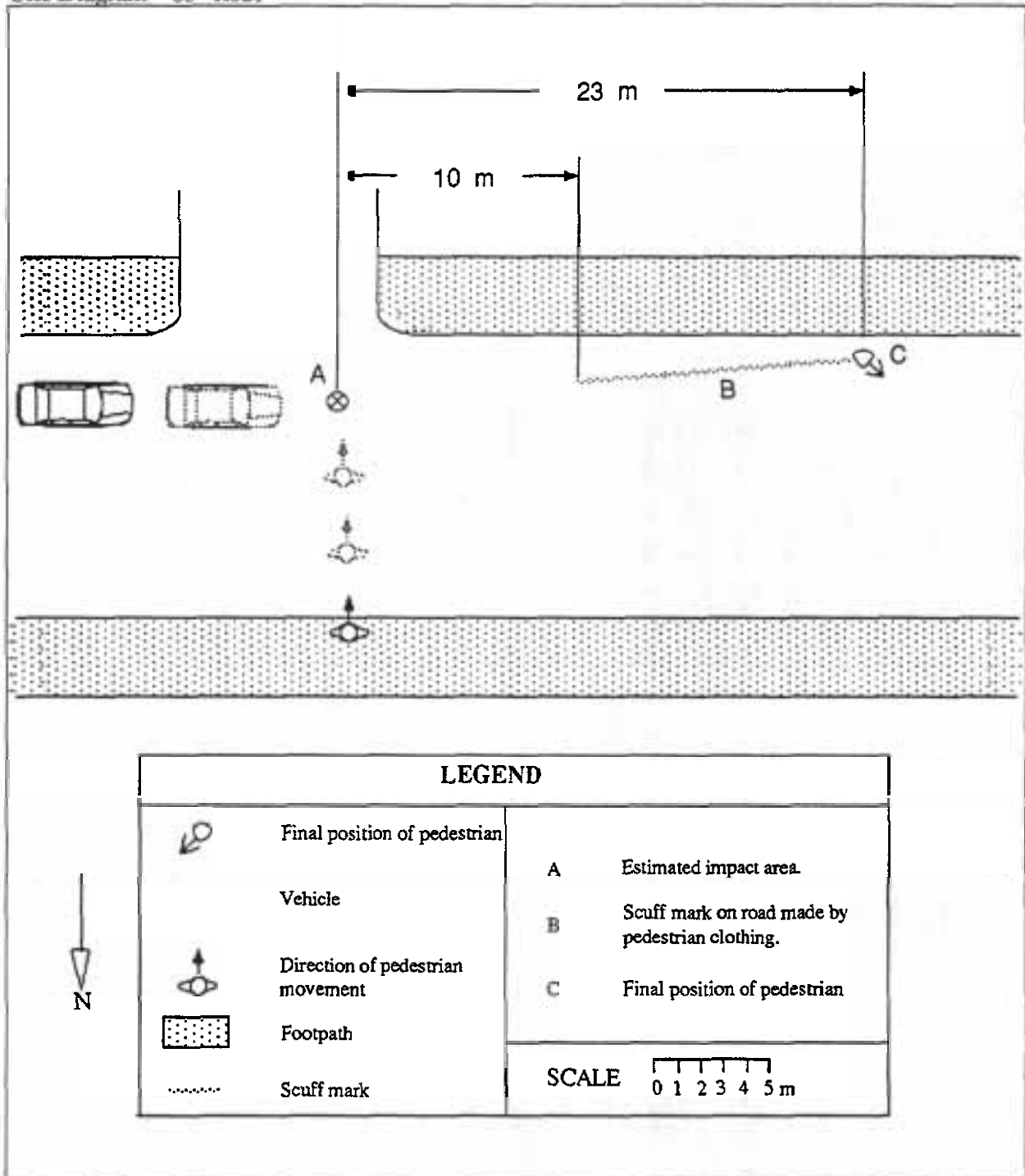
<i>Vehicle Model</i>	1976 Ford Fairlane sedan	
<i>Type</i>	Car	
<i>Impact Point</i>	12	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Local street
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Dusk
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	None		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	50	45	50	44
Impact Speed (km/hr)	50	45	50	44



Accident Description

The vehicle, travelling west, collided with pedestrian at point A, who was crossing the road from north to south. The driver stated that he was travelling at about 55 km/hr. The driver first saw the pedestrian positioned just north of the centre of the road, and then the pedestrian took two steps into the path of his vehicle. No evasive action was taken by the driver. The pedestrian was wearing clothing which blended into the surroundings and the street lighting for that area was poor. The pedestrian was hit on his left hand side by the centre of the front of the vehicle. Scuff mark were located at point B and the final position of the pedestrian was at point C.

Case Details

<i>Case Number</i>	86 - H023	<i>Calculation type</i>	1
<i>Date of Accident</i>	Thursday, April	<i>Time</i>	11 am
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	60 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	60 km/hr	<i>Impact Speed Source</i>	Driver

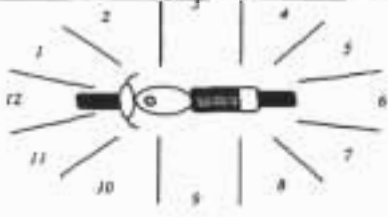
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	85
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	23
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	7 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Other avoiding action taken

Impact Vehicle Details

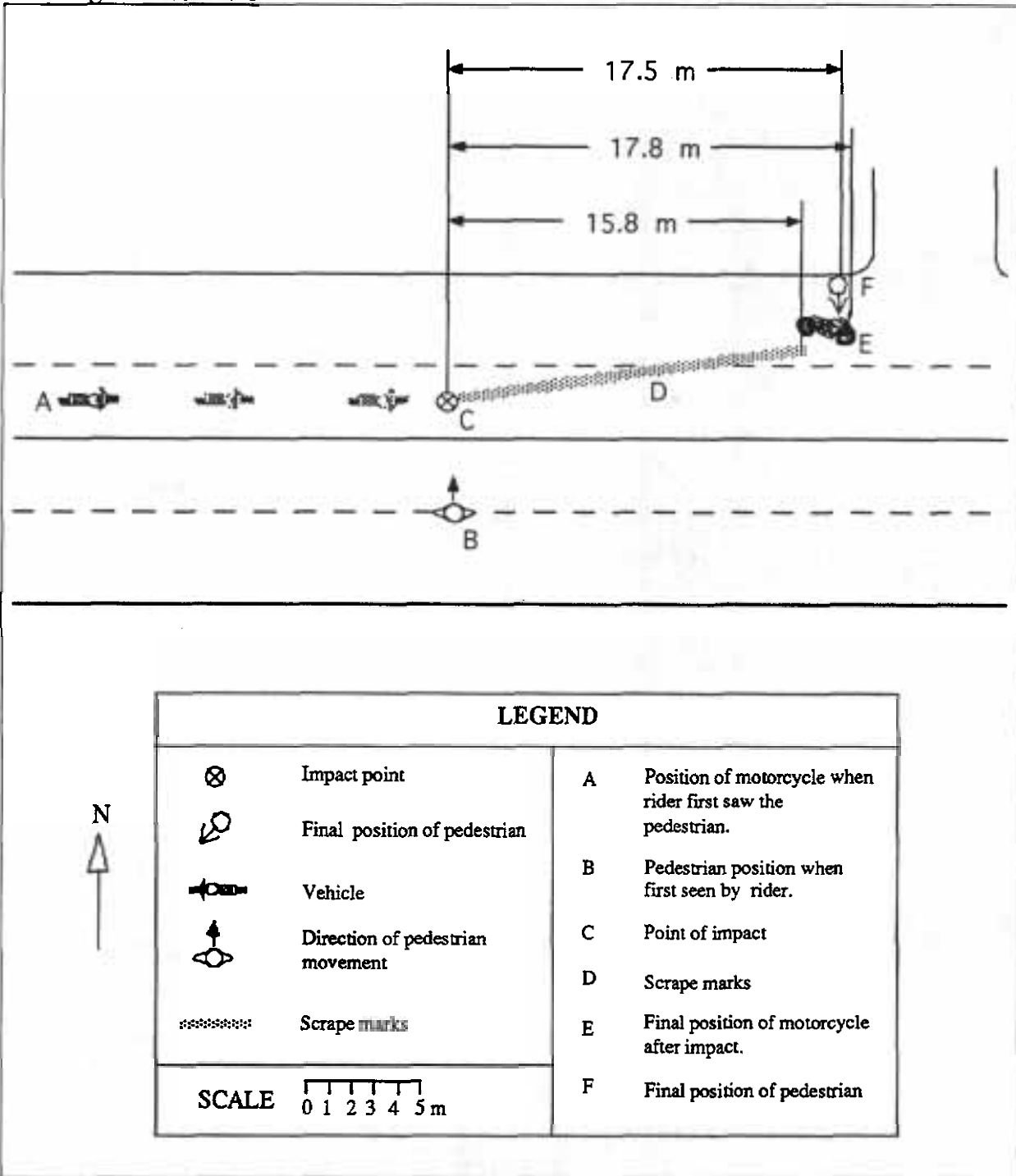
<i>Vehicle Model</i>	1980 Yamaha 250cc road bike	
<i>Type</i>	Motorcycle	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Centre line		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	55	50	54	48



Accident Description

The motorcycle was travelling east in the right lane at about 60 km/hr (rider statement). The pedestrian was crossing the road from the southern to the northern side and walked into the path of the vehicle. The rider stated that he first saw the pedestrian in the left lane on the opposite side of the road. The rider watched the pedestrian walk across the road and thought that the pedestrian would stop in the middle of the road, but the pedestrian continued walking into the path of the motorcycle. By then the rider was unable to take any evasive action. The pedestrian was hit on the left hand side by the front of the motorcycle and was somersaulted into the air.

Case Details

<i>Case Number</i>	86 - H025	<i>Calculation type</i>	3.1
<i>Date of Accident</i>	Monday, April	<i>Time</i>	7 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	60 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	37 km/hr	<i>Impact Speed Source</i>	Projection distance

Pedestrian Details

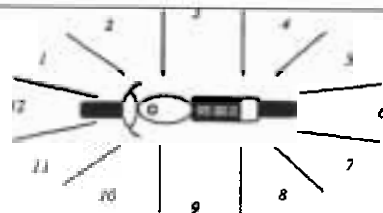
<i>Fatal</i>	Yes
<i>Age</i>	73
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	24
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	2 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Other avoiding action taken

Impact Vehicle Details

<i>Vehicle Model</i>	1983 Kawasaki 550cc road bike	<i>Impact Point</i>	1
<i>Type</i>	Motorcycle		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

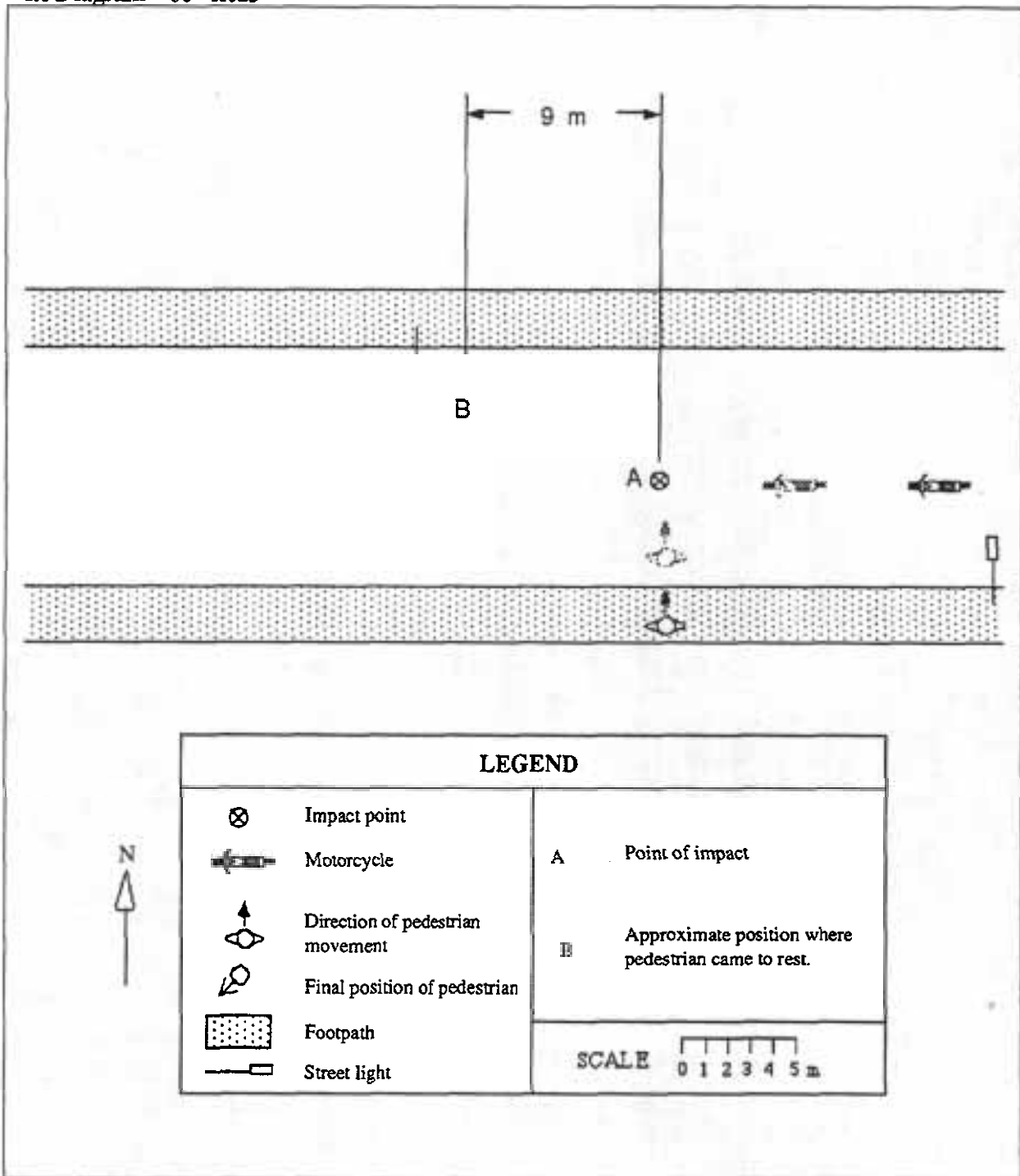


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Other main traffic route
<i>Traffic Conditions</i>	Light		
<i>Weather Conditions</i>	Fine, dry road	<i>Road Alignment</i>	Straight
<i>Number of Lanes</i>	1	<i>Natural Lighting</i>	Night
<i>Road Division</i>	None	<i>Street Lighting</i>	Street lights

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	21	0	17	0



Accident Description

A pedestrian was walking in a northerly direction and walked into the path of a kawasaki motor cycle travelling at 60 km/hr in a westerly direction. Rider stated that he first saw the pedestrian when she was in front of the motorcycle. The rider braked heavily and swerved before colliding with pedestrian at point A. The front right side of the motorcycle collided with the pedestrian. From a witness statement, the pedestrian, after the collision, was thrown into the air a little higher than the height of the motorcycle and appeared to turn in the air. The pedestrian then landed on the road near the northern kerb at point B.

Case Details

<i>Case Number</i>	86 - H027	<i>Calculation type</i>	4.1
<i>Date of Accident</i>	Saturday, May	<i>Time</i>	12 am
<i>Speed Limit</i>	110 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	90 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	90 km/hr	<i>Impact Speed Source</i>	Projection distance

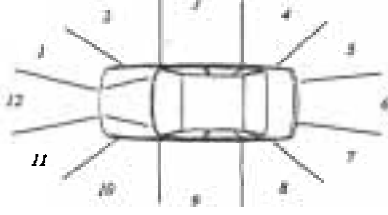
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	36
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.29 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	22
<i>Sex</i>	Female
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	5 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked after impact

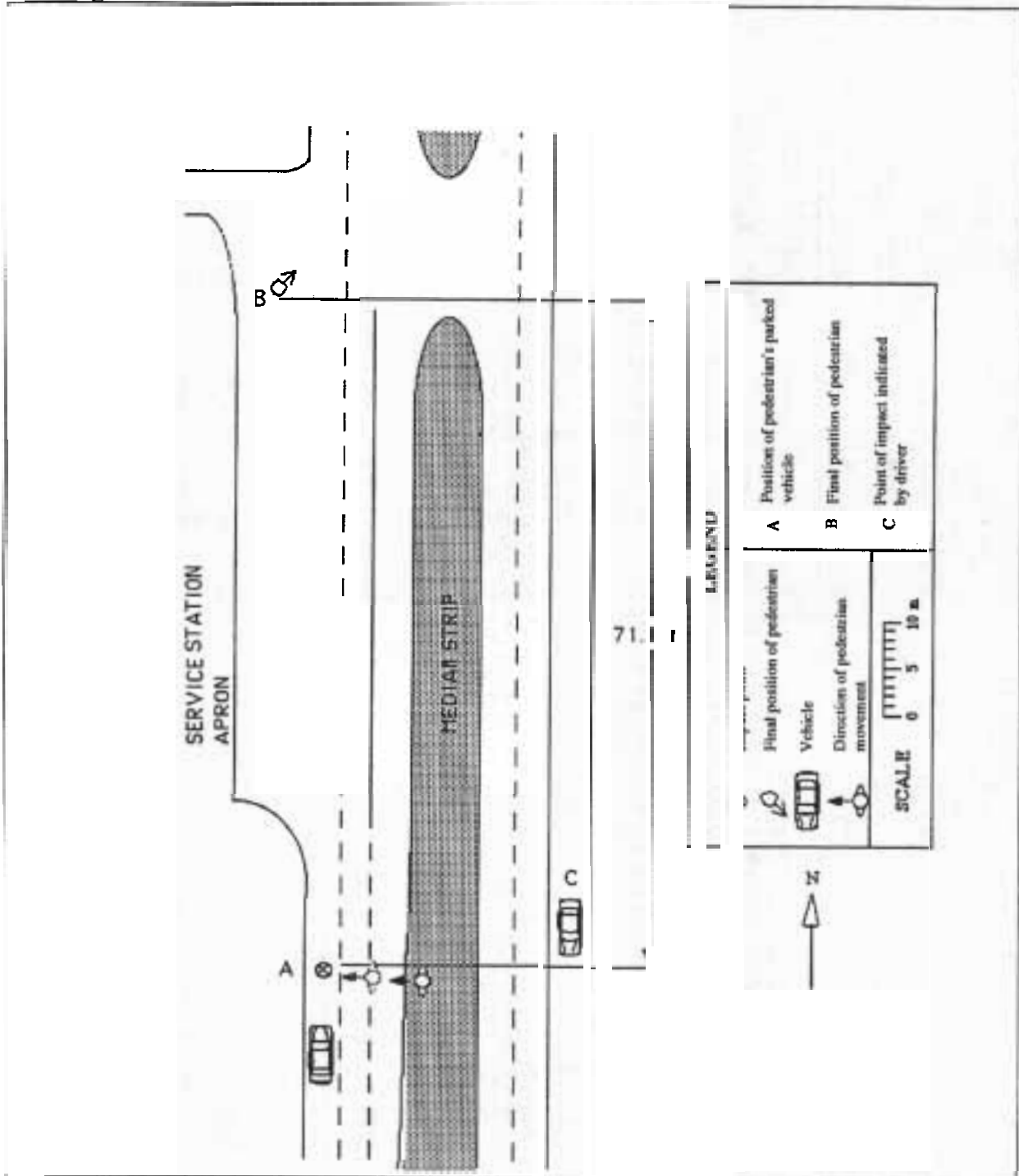
Impact Vehicle Details

<i>Vehicle Model</i>	1981 Holden Gemini sedan	
<i>Type</i>	Car	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	3	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Raised median strip		

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	85	80	81	72
Impact Speed (km/hr)	82	72	74	56



Accident Description

Vehicle 1 was travelling north at 90 km/hr in the left lane, and collided with a pedestrian running across the road in a westerly direction. Driver stated that she first saw the pedestrian on the line between the centre and the right lanes and that her headlights were on low beam. Before the driver had time to react the collision had occurred at point A. The pedestrian was wearing dark clothing. The pedestrian was hit by the centre front of the car and rolled on to the bonnet and windscreen. The pedestrian then fell off the left side of the vehicle and came to rest at point C.

Case Details

<i>Case Number</i>	86 - H029	<i>Calculation type</i>	1
<i>Date of Accident</i>	Friday, May	<i>Time</i>	10 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	60 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	60 km/hr	<i>Impact Speed Source</i>	Driver

Pedestrian Details

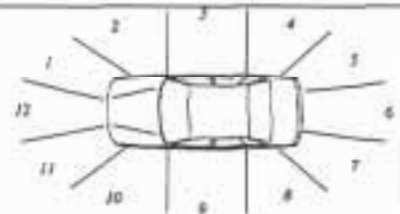
<i>Fatal</i>	Yes
<i>Age</i>	39
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	Unknown
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	17
<i>Sex</i>	Male
<i>BAC Driver</i>	Unknown
<i>Driving Experience</i>	1 years
<i>Licence Type</i>	Probationary
<i>Driver Action</i>	No evasive action

Impact Vehicle Details

<i>Vehicle Model</i>	1979 Toyota Corolla sedan	<i>Impact Point</i>	1
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

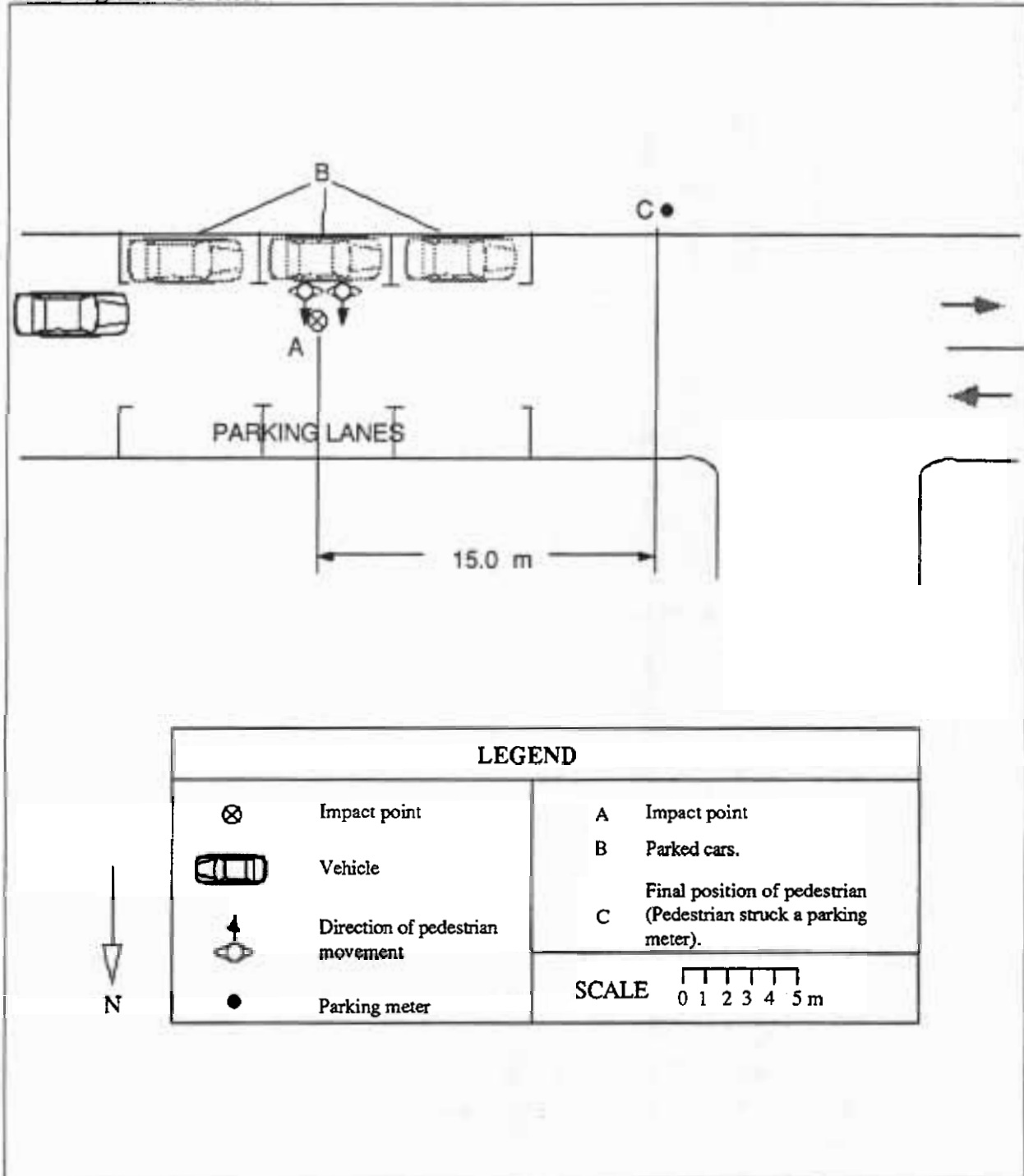


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Local street
<i>Traffic Conditions</i>	Moderate		
<i>Weather Conditions</i>	Fine, wet road	<i>Road Alignment</i>	Straight
<i>Number of Lanes</i>	1	<i>Natural Lighting</i>	Night
<i>Road Division</i>	None	<i>Street Lighting</i>	Street lights

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	55	50	54	48



Accident Description

This is a hit and run case. The vehicle was travelling west when it collided with two pedestrians crossing the road from south to north at point A. The driver later stated that he was travelling at about 60 km/hr. The driver also stated that he first saw the pedestrians alongside parked cars on the southern side of the road when he was about 10 metres away. The pedestrians then ran across the road into the path of the vehicle and a collision occurred. The driver did not take any evasive action and did not stop. The pedestrian that died was first hit by the vehicle on the right side of the vehicle, the pedestrian then impacted a parking meter at point C. An independent witness claimed that the vehicle was travelling at 80 km/hr.

The second pedestrian survived the collision with minor injury.

Case Details

<i>Case Number</i>	86 - H030	<i>Calculation type</i>	1
<i>Date of Accident</i>	Sunday, May	<i>Time</i>	2 am
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	60 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	60 km/hr	<i>Impact Speed Source</i>	Driver

Pedestrian Details

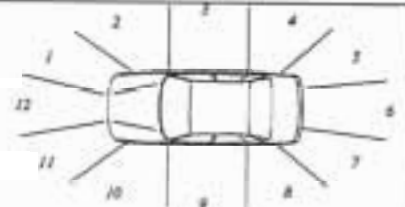
<i>Fatal</i>	Yes
<i>Age</i>	29
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.085 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	19
<i>Sex</i>	Male
<i>BAC Driver</i>	0.01 %
<i>Driving Experience</i>	2 years
<i>Licence Type</i>	Learners
<i>Driver Action</i>	No evasive action

Impact Vehicle Details

<i>Vehicle Model</i>	1982 Mazda RX-7 sedan	<i>Impact Point</i>	1
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

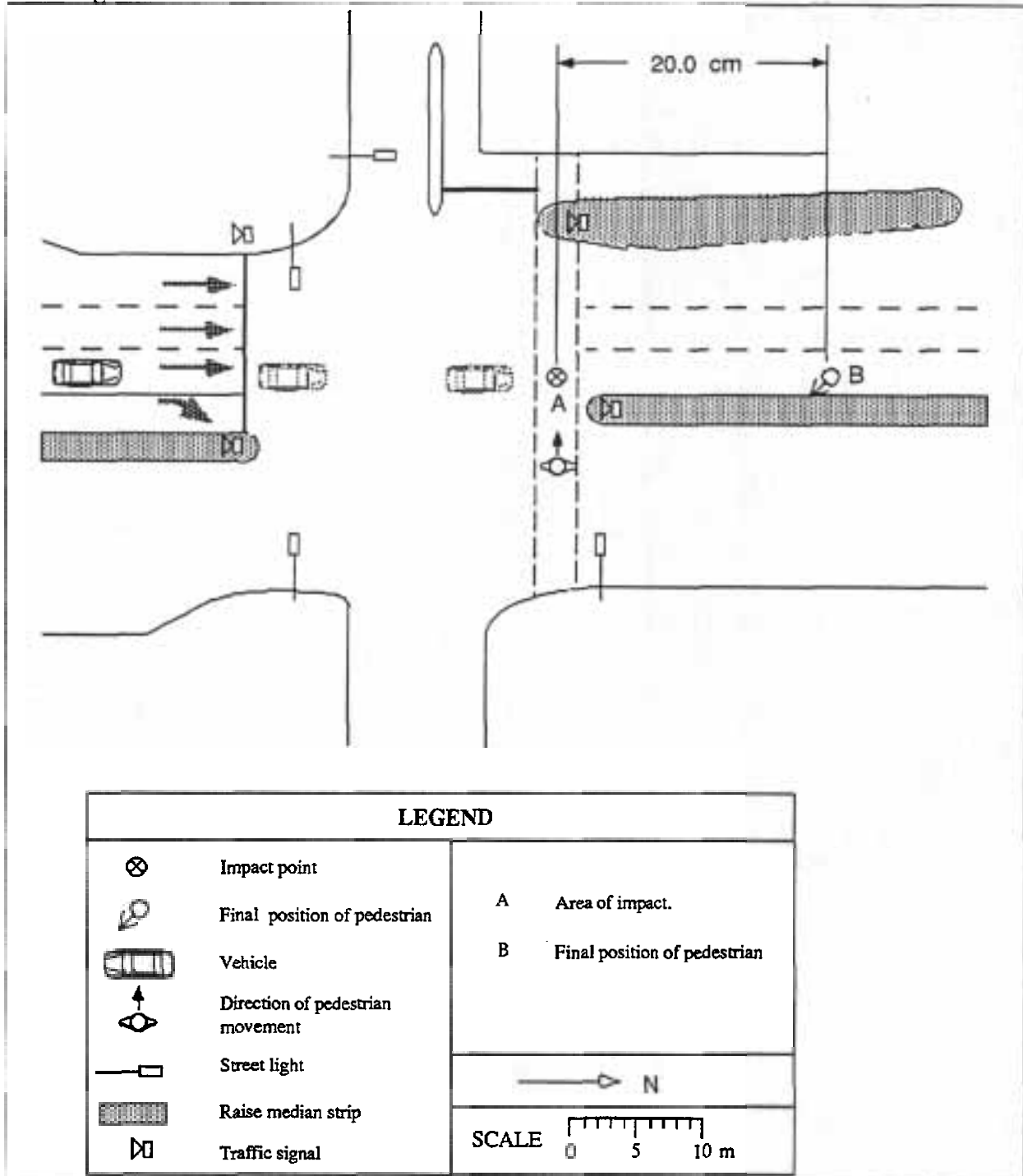


Road Site Details

<i>Traffic Control</i>	Traffic signal at intersection	<i>Road Type</i>	Local street
<i>Traffic Conditions</i>	Moderate		
<i>Weather Conditions</i>	Fine, wet road	<i>Road Alignment</i>	Straight
<i>Number of Lanes</i>	3	<i>Natural Lighting</i>	Night
<i>Road Division</i>	Raised median strip	<i>Street Lighting</i>	Street lights

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	55	50	54	48



Accident Description

The pedestrian was crossing the road from the eastern side on a marked pedestrian crossing. The driver stated that he was travelling in a northerly direction at about 60 km/hr and did not see the pedestrian before or after the impact at point A. He did not stop after the collision. Independent witnesses stated that the driver was travelling about 90 km/hr and also that the traffic lights facing north bound traffic were on the yellow or red phase when the vehicle entered the intersection and the pedestrian crossing was on the 'don't walk' phase. The pedestrian was struck from the front by the front right side of the car and come to rest at point B. The severity of the pedestrian's injuries was consistent with a high speed impact. The roads wet but it was not raining.

Case Details

<i>Case Number</i>	86 - H032	<i>Calculation type</i>	1
<i>Date of Accident</i>	Wednesday, June	<i>Time</i>	10 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	55 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	55 km/hr	<i>Impact Speed Source</i>	Driver

Pedestrian Details

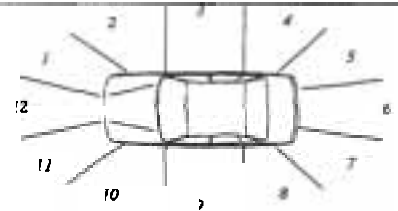
<i>Fatal</i>	Yes
<i>Age</i>	81
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Unknown
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	unknown
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	Unknown
<i>Licence Type</i>	Unknown
<i>Driver Action</i>	No evasive action

Impact Vehicle Details

<i>Vehicle Model</i>	1973 Holden Torana sedan
<i>Type</i>	Car
<i>Impact Point</i>	11
<i>Number Involved</i>	1
<i>Modifications</i>	None

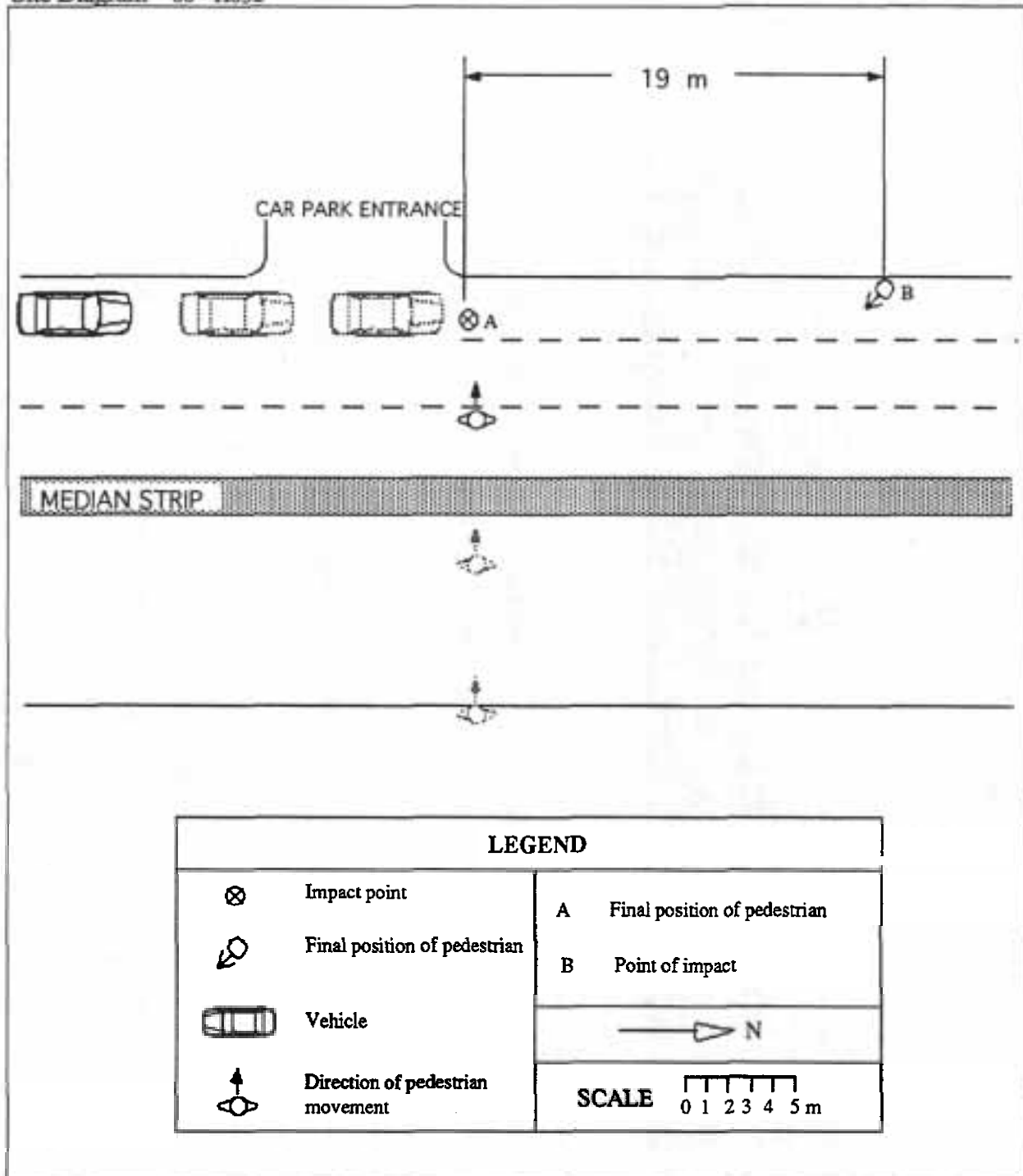


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	3	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Raised median strip		

Reduced Travel Speed Analysis

	5 km/hr	10 km/hr	10%	20%
<i>Travel Speed (km/hr)</i>	50	45	50	44
<i>Impact Speed (km/hr)</i>	50	45	50	44



Accident Description

The vehicle was travelling in a westerly direction on a three lane road in the left lane . The road is first a two lane road before it becomes a three lane road near the point of impact (point A). The pedestrian was crossing the road in a southerly direction. The driver stated that he was travelling about 55 km/hr. Before the collision with the pedestrian the driver was distracted by a following vehicle about 10 metres behind in the right hand lane. He looked in his right side rear view mirror and it was at that point that the windscreen of his vehicle shattered. At no time prior to the accident did he see the pedestrian and as such did not take any evasive action. There were no witnesses. The pedestrian was hit by the front left hand side of the vehicle and came to rest at point B.

<i>Case Number</i>	86 - H033	<i>Calculation type</i>	2.1
<i>Date of Accident</i>	Friday, June	<i>Time</i>	5 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	71 km/hr	<i>Travel Speed Source</i>	Skid marks
<i>Impact Speed</i>	37 km/hr	<i>Impact Speed Source</i>	Skid marks

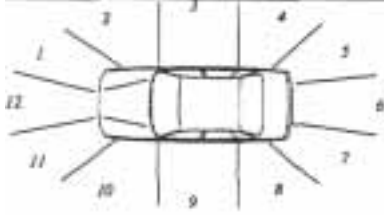
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	71
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	68
<i>Sex</i>	Female
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	32 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked before impact

Impact Vehicle Details

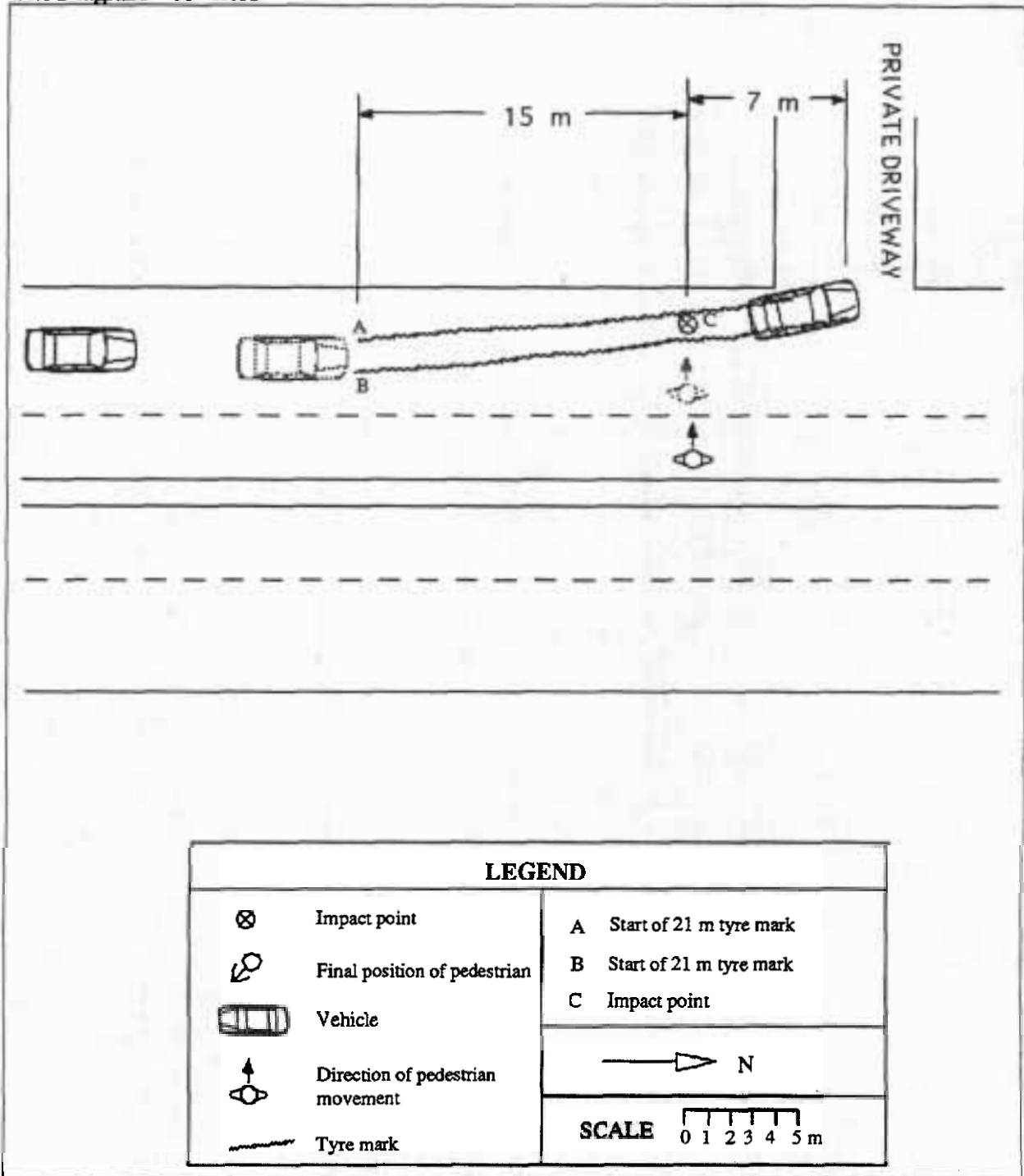
<i>Vehicle Model</i>	1973 Ford Escort sedan	
<i>Type</i>	Car	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Heavy	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Dusk
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Painted median strip		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	66	61	64	57
Impact Speed (km/hr)	17	0	0	0



Accident Description

A 71 year old female pedestrian was crossing the road from east to west in medium to heavy traffic conditions when she was struck by a vehicle travelling north at a speed calculated to be 71 km/hr. The vehicle was travelling in the left lane. The driver stated that she was first aware of the pedestrian at about 10 metres south of her. This is clearly an under estimate of the actual distance, as shown by the skid marks. She immediately applied her brakes. Independent witnesses stated that the pedestrian was crossing the road without looking to her left at approaching traffic. She was hit by the left centre front of the vehicle and rolled off to the left.

Case Details

<i>Case Number</i>	86 - H037	<i>Calculation type</i>	1
<i>Date of Accident</i>	Monday, June	<i>Time</i>	7 pm
<i>Speed Limit</i>	80 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	80 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	80 km/hr	<i>Impact Speed Source</i>	Driver

Pedestrian Details

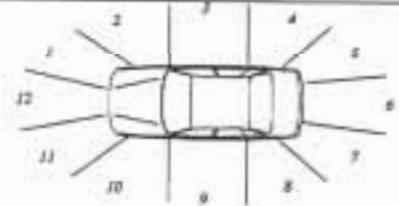
<i>Fatal</i>	Yes
<i>Age</i>	14
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	26
<i>Sex</i>	Female
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	10 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked before impact

Impact Vehicle Details

<i>Vehicle Model</i>	1973 Ford XB station wagon	<i>Impact Point</i>	11
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

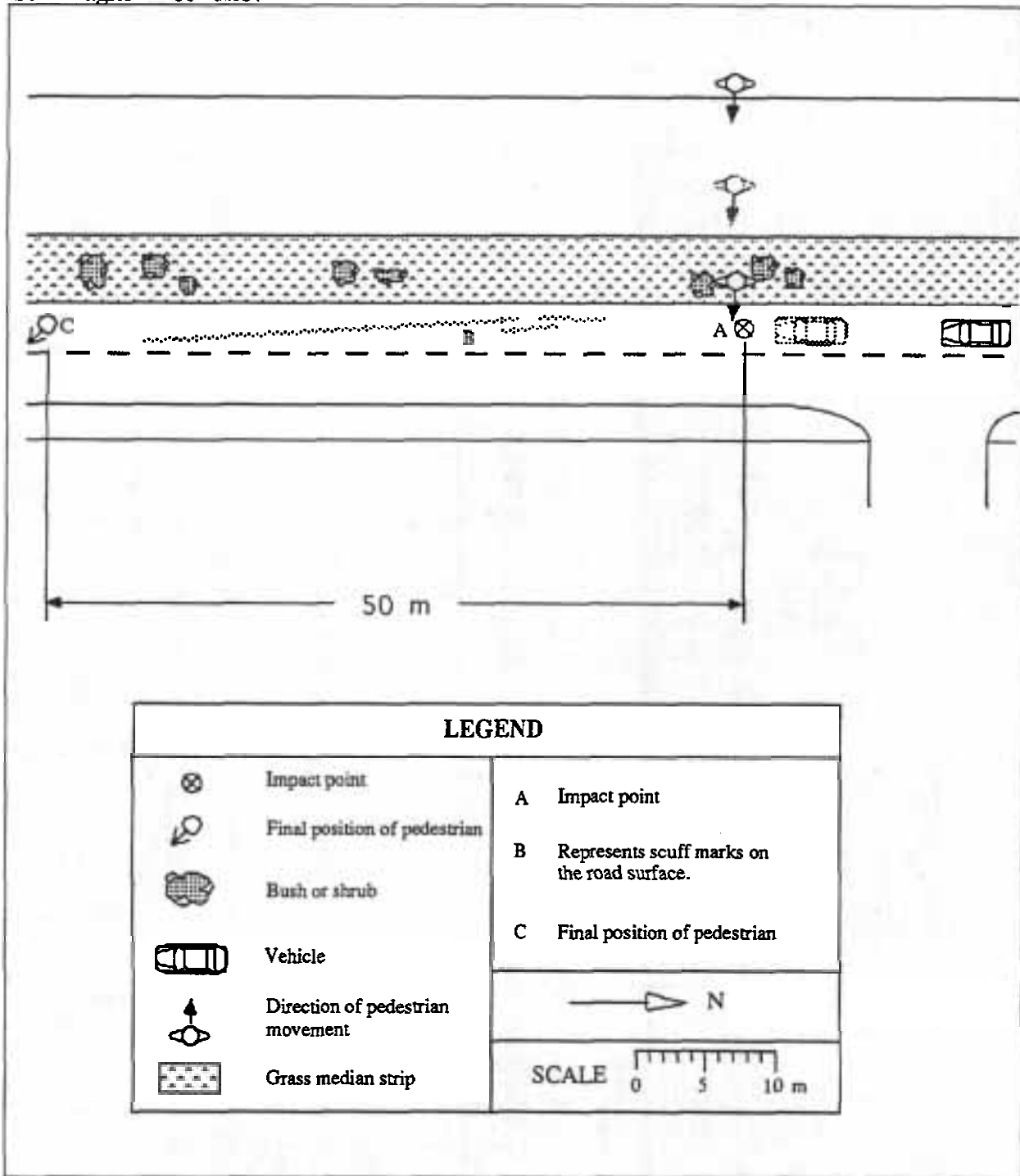


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	None
<i>Road Division</i>	Raised median strip		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	75	70	72	64
Impact Speed (km/hr)	75	70	72	64



Accident Description

The vehicle was travelling south in the right hand lane. The driver stated that she was travelling at about 80 km/hr when she sensed movement from the bushes on the median strip. She did not see what caused the movement, and braked her vehicle virtually on impact with a pedestrian. From a witness statement, the pedestrian was running across the road in a easterly direction from the median strip without looking to his right or left. The pedestrian was hit on the left hand side by the front left hand side of the vehicle and then pushed along the road under the vehicle.

Case Details

<i>Case Number</i>	86 - H041	<i>Calculation type</i>	3.1
<i>Date of Accident</i>	Friday, July	<i>Time</i>	12 am
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	60 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	25 km/hr	<i>Impact Speed Source</i>	Projection distance

Pedestrian Details

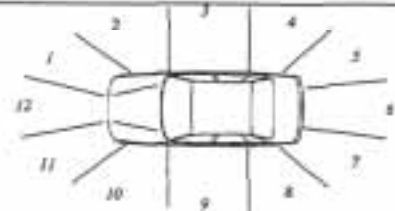
<i>Fatal</i>	Yes
<i>Age</i>	33
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.297 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	19
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	3 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked after impact

Impact Vehicle Details

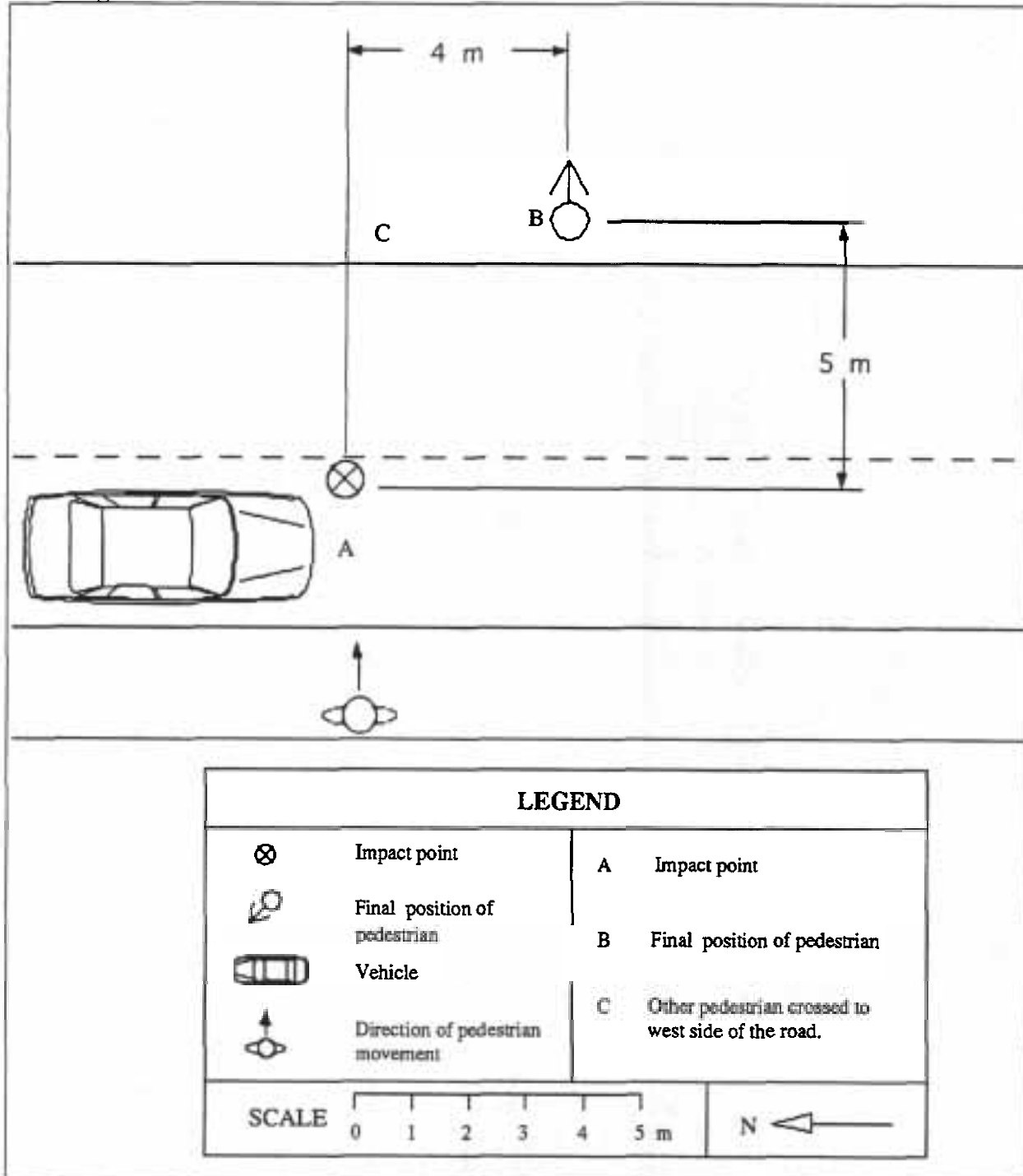
<i>Vehicle Model</i>	1974 Holden Monaro sedan	<i>Impact Point</i>	11
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		



Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, wet road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Painted median strip		

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	0	0	0	0



Accident Description

The car was travelling at 60 km/hr in a southerly direction. The driver thought that he saw 2 or 3 pedestrians crossing the road from west to east and he believed they had crossed the road before he got to them. In fact two pedestrians were crossing the road in an easterly direction. The first pedestrian reached the eastern footpath while the second, extremely intoxicated, was still only in the centre of the road, slowly staggering across. This pedestrian did not stop and walked in front of the vehicle. He was hit at point A on his left side by the front of the left fender, his head struck the windscreen and possibly the A Pillar. The pedestrian was then thrown over the roof and finally came to rest at point B.

Case Details

<i>Case Number</i>	86 - H043	<i>Calculation type</i>	1
<i>Date of Accident</i>	Monday, July	<i>Time</i>	12 am
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	55 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	55 km/hr	<i>Impact Speed Source</i>	Driver

Pedestrian Details

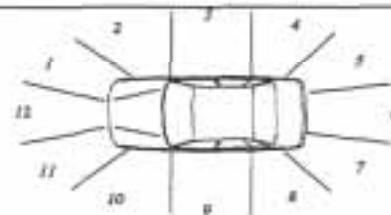
<i>Fatal</i>	Yes
<i>Age</i>	30
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.098 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Facing vehicle

Driver Details

<i>Age</i>	59
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	37 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	No evasive action

Impact Vehicle Details

<i>Vehicle Model</i>	1980 Renault 18GTS sedan	<i>Impact Point</i>	1
<i>Type</i>	Car		
<i>Number Involved</i>	2		
<i>Modifications</i>	None		

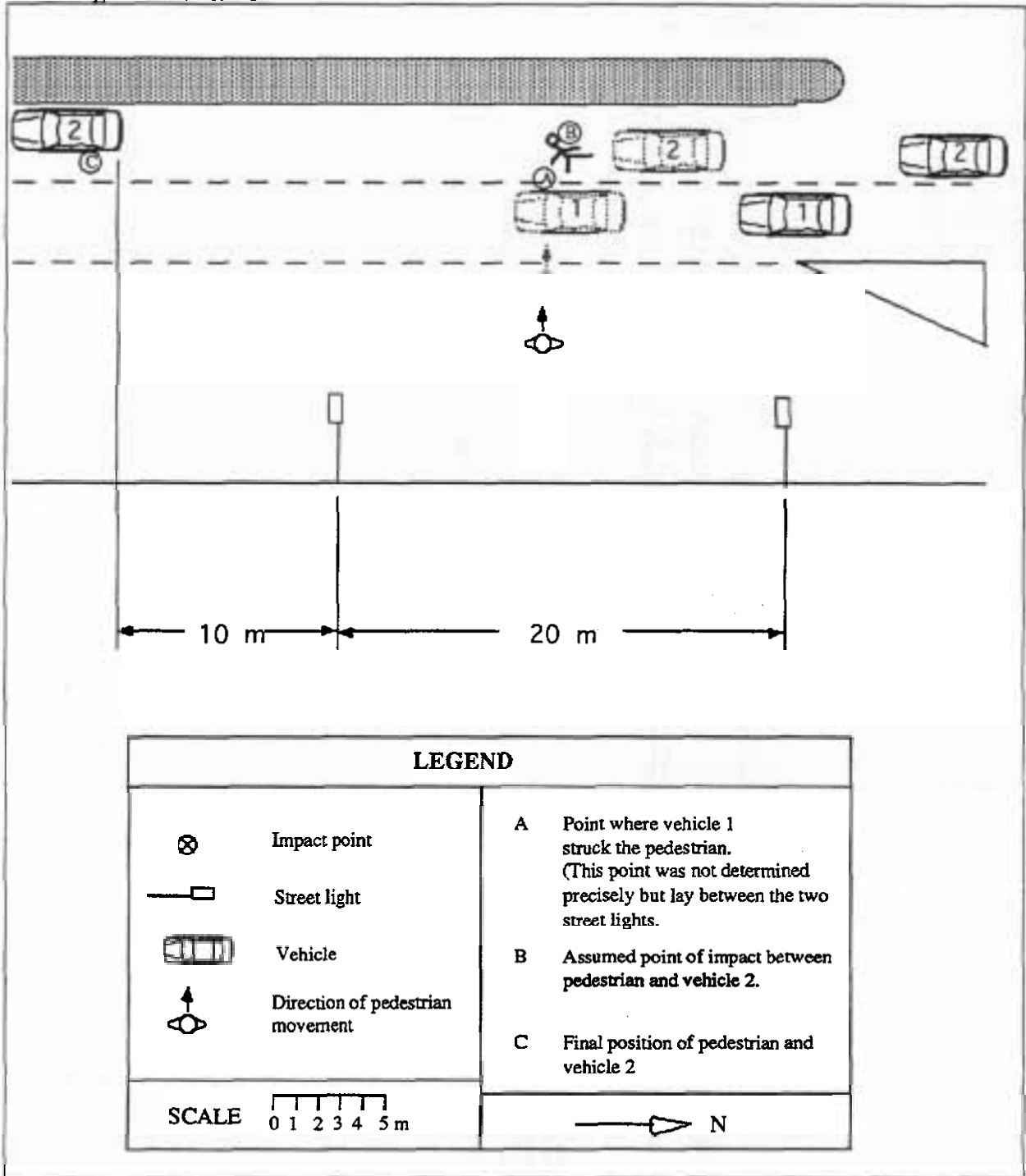


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, wet road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	3	<i>Street Lighting</i>	Street lights plus other off street lightning
<i>Road Division</i>	Raised median strip		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	50	45	50	44
Impact Speed (km/hr)	50	45	50	44



Accident Description

A pedestrian was crossing the road from east to west. When he reached a point about halfway across to the median strip he was struck a glancing blow by the right front corner of vehicle 1 and thrown to the road. Whilst the pedestrian was lying on the road vehicle 2 ran over the pedestrian and dragged him along the road for several metres. The exact point of impact could not be determined. The driver of vehicle 1 stated that he was travelling at about 55 km/hr and did not take any evasive action before the right front corner of his vehicle hit the pedestrian on the right leg. The driver of vehicle 2 stated that he was travelling at about 60 km/hr and braked as soon as he saw the pedestrian lying on the road some metres away in front of his vehicle.

Case Details

<i>Case Number</i>	86 - H046	<i>Calculation type</i>	2.2
<i>Date of Accident</i>	Friday, July	<i>Time</i>	12 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	60 km/hr	<i>Travel Speed Source</i>	Witness
<i>Impact Speed</i>	20 km/hr	<i>Impact Speed Source</i>	Skid marks

Pedestrian Details

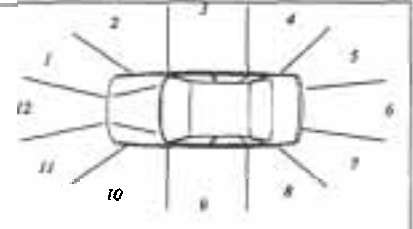
<i>Fatal</i>	Yes
<i>Age</i>	65
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	34
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	14 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked before impact

Impact Vehicle Details

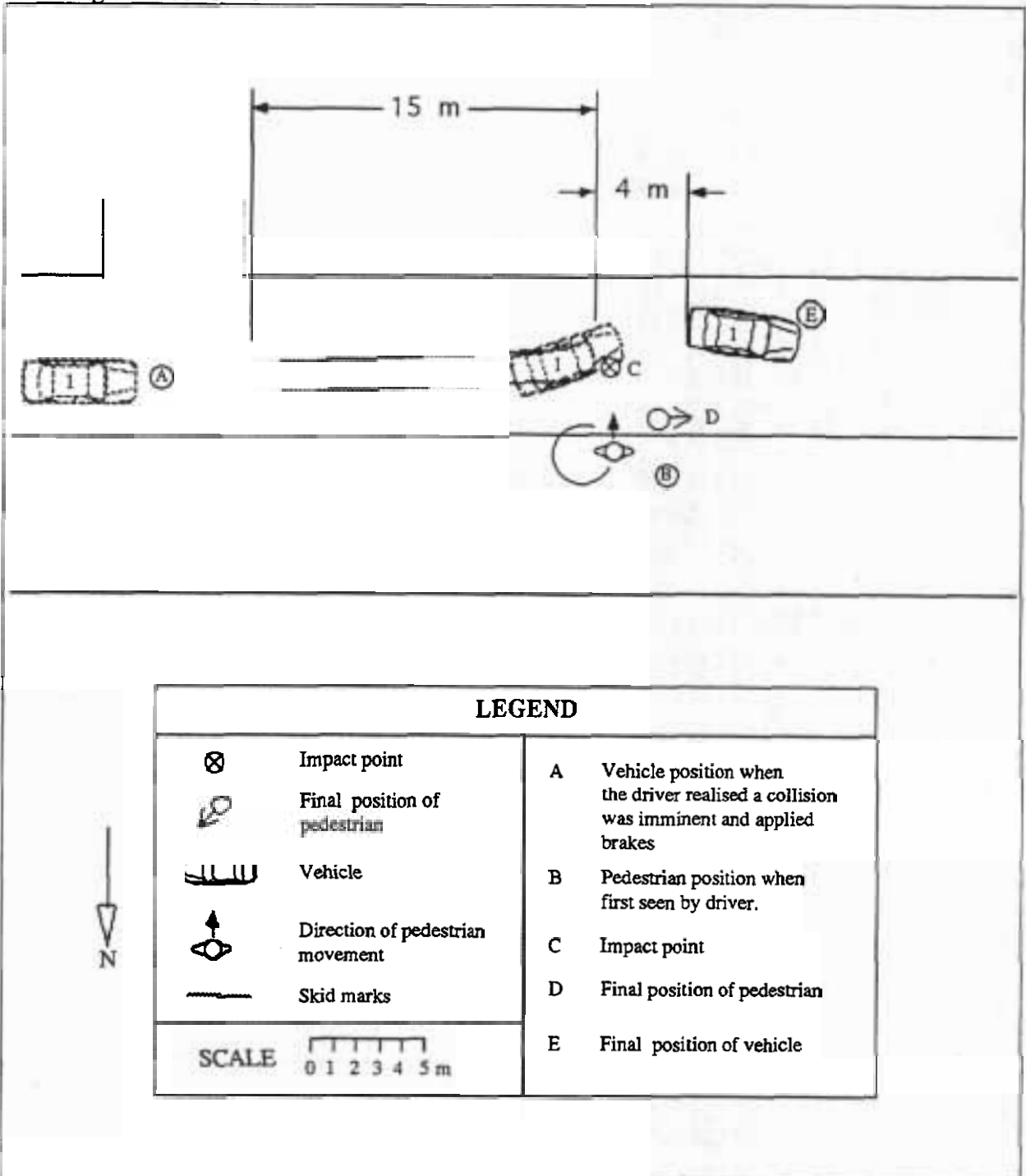
<i>Vehicle Model</i>	1986 Mitsubishi Sigma sedan	<i>Impact Point</i>	1
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		



Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Centre line		

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	0	0	0	0



Accident Description

The case vehicle was travelling at about 60 km/hr in a westerly direction. The driver saw the pedestrian crossing the road in a northerly direction. When the pedestrian reached the centre of the road (point B) she stopped and turned around to her left and walked back across the road in a southerly direction. The driver was about 20 metres away and immediately applied the brakes (at point A) and swerved left, sliding along the road. The pedestrian was struck (at point C) on her left side by the right hand fender wheel arch and thrown to the road, coming to rest at point D. The car came to a halt at point E about 4 metres after the impact point.

Case Details

<i>Case Number</i>	86 - H047	<i>Calculation type</i>	1
<i>Date of Accident</i>	Wednesday, July	<i>Time</i>	5 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	55 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	55 km/hr	<i>Impact Speed Source</i>	Driver

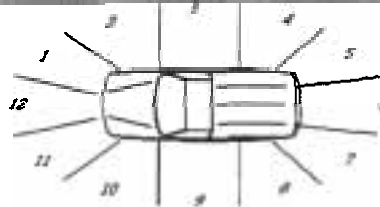
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	68
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	Unknown
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	22
<i>Sex</i>	Male
<i>BAC Driver</i>	Unknown
<i>Driving Experience</i>	6 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	No evasive action

Impact Vehicle Details

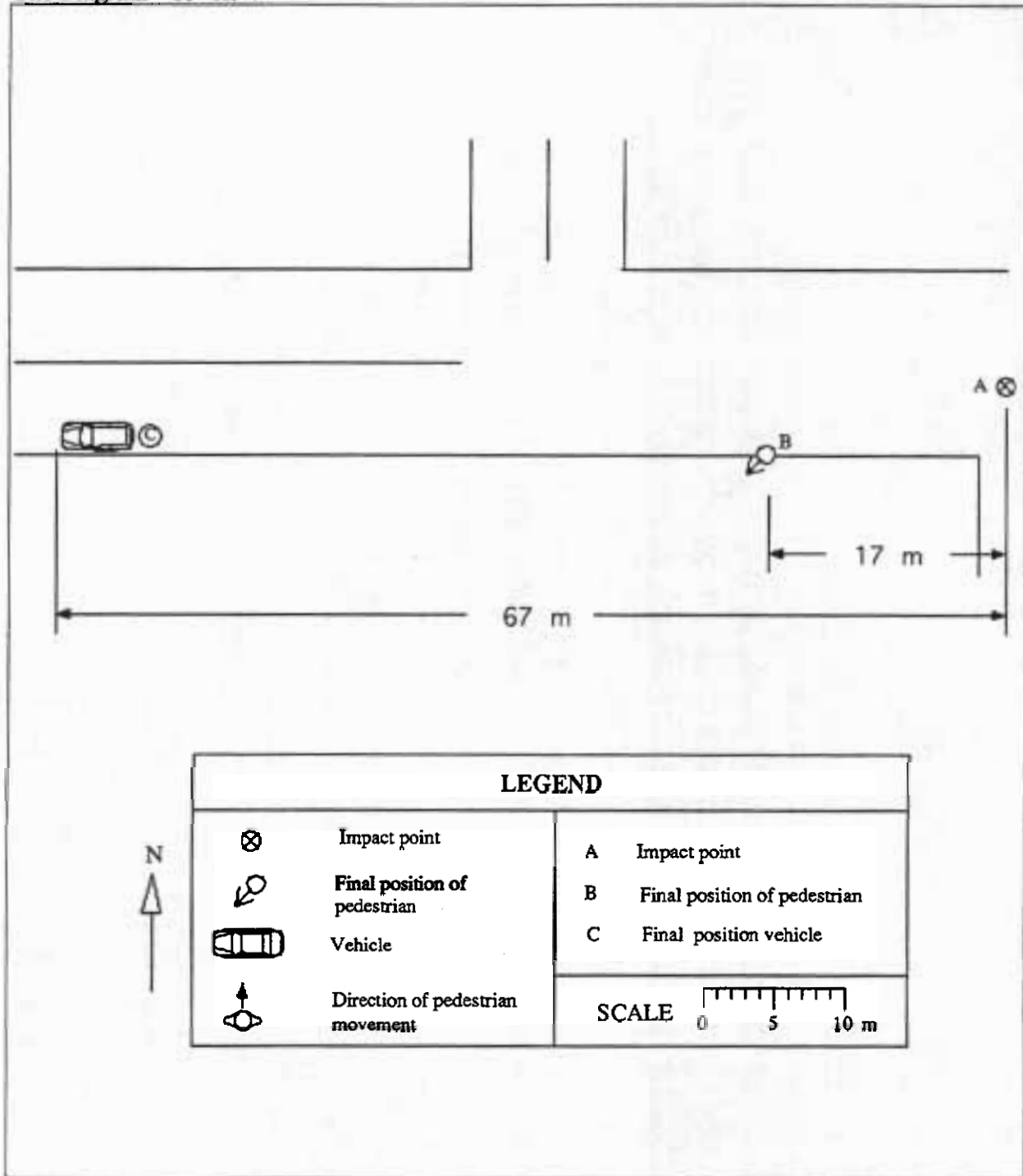
<i>Vehicle Model</i>	1970 Ford Escort panel van	<i>Impact Point</i>	1
<i>Type</i>	Car derivative		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Raining	<i>Natural Lighting</i>	Dusk
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Centre line		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	50	45	50	44
Impact Speed (km/hr)	50	45	50	44



Accident Description

The panel van was travelling in a westerly direction at 55 km/hr. The pedestrian was seen by a witness to be standing near the centre of the road and when the car was one car length away, she ran in a southerly direction into the path of the vehicle. The driver did not see the pedestrian before impact, and stopped his vehicle as soon as he could after the impact. The vehicle hit the pedestrian (at point A) with the right front corner striking the left side of the pedestrian. The pedestrian was then thrown onto the bonnet, impacting his head on the windscreen wiper pivot and the base of the windscreen, and then over the roof and off to the right side of the vehicle. The pedestrian came to rest at point B and the car stopped at point C. At the time of the accident it was raining very heavily and visibility was poor.

Case Details

<i>Case Number</i>	86 - H049	<i>Calculation type</i>	1
<i>Date of Accident</i>	Saturday, July	<i>Time</i>	7 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	40 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	40 km/hr	<i>Impact Speed Source</i>	Driver

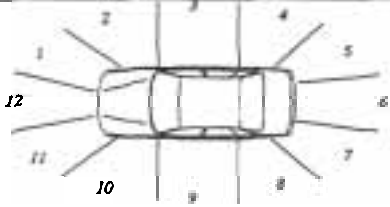
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	61
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.346 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	44
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	25 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked before impact

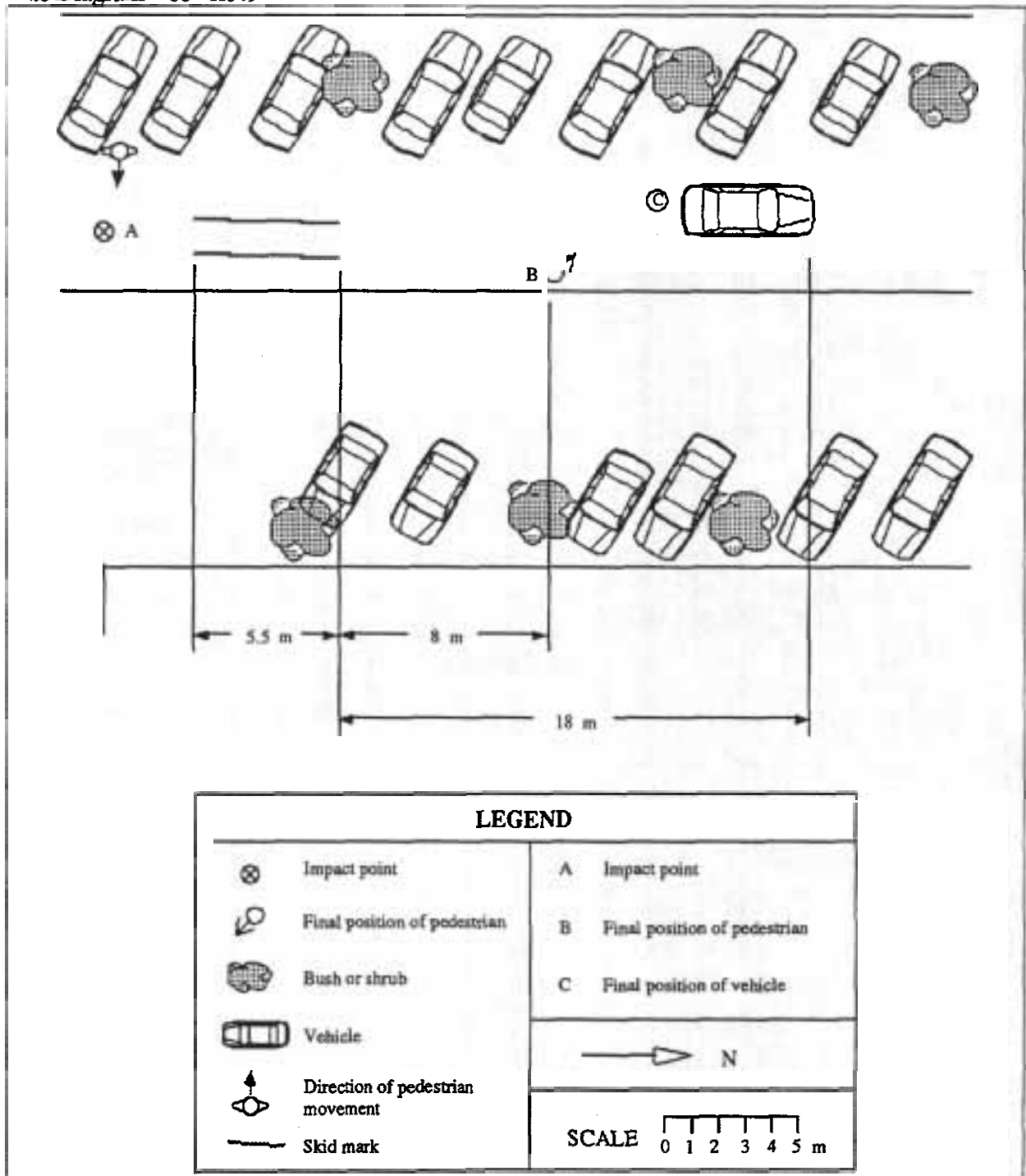
Impact Vehicle Details

<i>Vehicle Model</i>	1984 Ford Laser hatch back	
<i>Type</i>		
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Local street
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Centre line		

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	35	30	36	32
Impact Speed (km/hr)	35	30	36	32



Accident Description

The car was travelling at 40 km/hr in a northerly direction. The driver did not see the pedestrian before the impact (at point A), but braked immediately after impact. The pedestrian was crossing in an easterly direction and was struck on his right hand side by the centre left side of the bonnet. His head impacted the windscreen and he then rolled forward off the car coming to rest at approximately point B. The car stopped about 1 to 2 car lengths after the impact and was then moved to the side of the road.

Case Details

<i>Case Number</i>	86 - H050	<i>Calculation type</i>	1
<i>Date of Accident</i>	Thursday, July	<i>Time</i>	12 am
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	55 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	55 km/hr	<i>Impact Speed Source</i>	Driver

Pedestrian Details

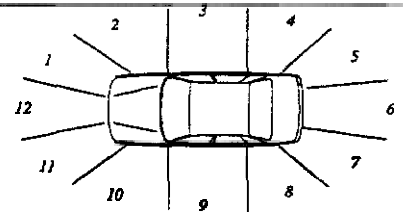
<i>Fatal</i>	Yes
<i>Age</i>	50
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.338 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	22
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	6 years
<i>Licence Type</i>	Full Taxi
<i>Driver Action</i>	No evasive action

Impact Vehicle Details

<i>Vehicle Model</i>	1985 Holden Commodore sedan	<i>Impact Point</i>	11
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

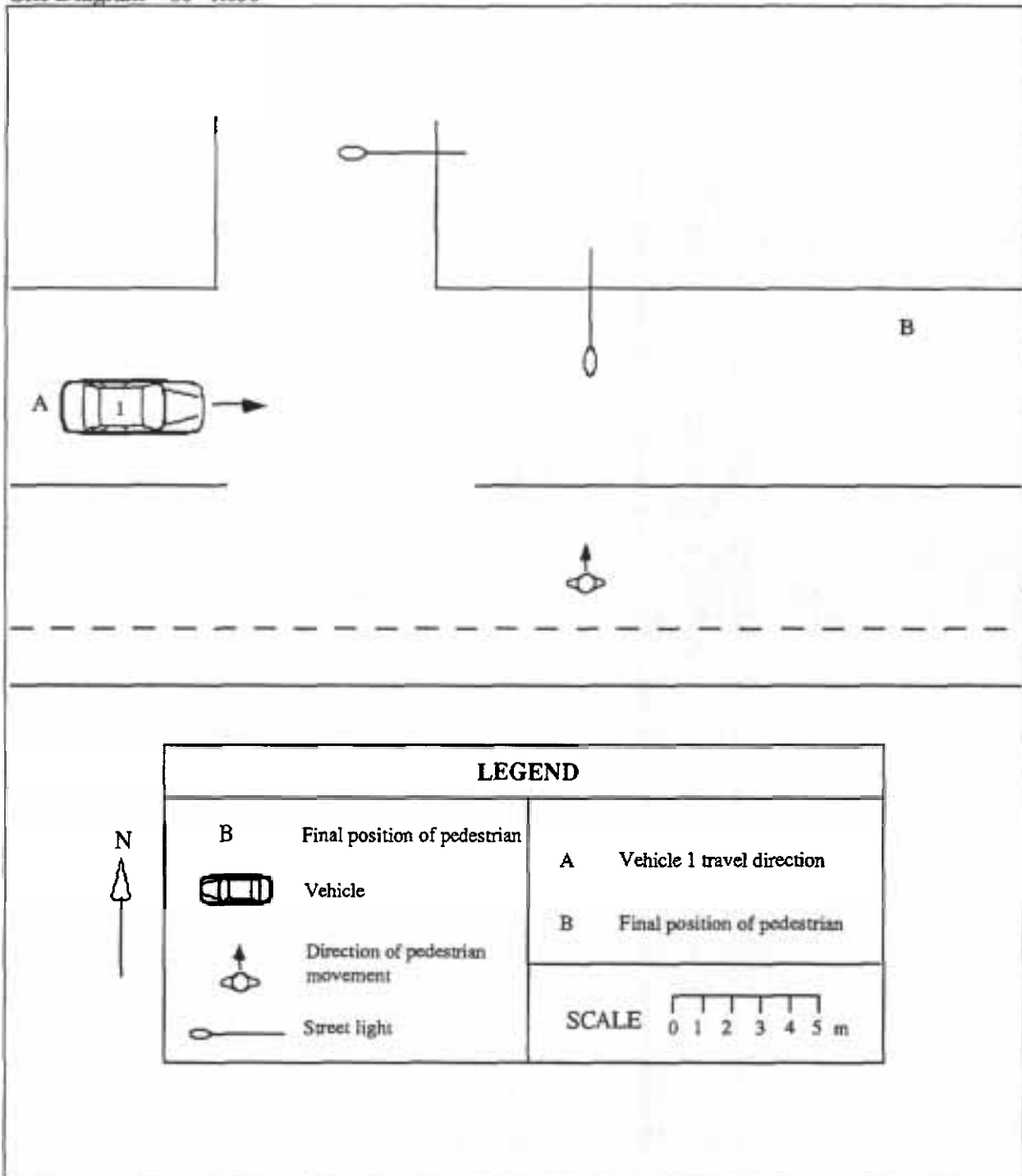


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Local street
<i>Traffic Conditions</i>	Moderate		
<i>Weather Conditions</i>	Fine, dry road	<i>Road Alignment</i>	Straight
<i>Number of Lanes</i>	1	<i>Natural Lighting</i>	Night
<i>Road Division</i>	Centre line	<i>Street Lighting</i>	Street lights

Reduced Travel Speed Analysis

	5 km/hr	10 km/hr	10%	20%
Travel Speed (km/hr)	50	45	50	44
Impact Speed (km/hr)	50	45	50	44



Accident Description

The car was travelling in an easterly direction at 55 km/hr. The pedestrian ran from the southern kerb across the road in a northerly direction. The driver said that he saw the pedestrian about one and a half car lengths ahead and had no time for avoiding action. The left front corner the car struck the pedestrian on his left side. The pedestrian impacted the windscreen and then fell off the side of the car coming to rest at about point B. No more accurate measurements are available from the given information.

Case Details

<i>Case Number</i>	86 - H054	<i>Calculation type</i>	1
<i>Date of Accident</i>	Sunday, August	<i>Time</i>	10 pm
<i>Speed Limit</i>	80 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	80 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	80 km/hr	<i>Impact Speed Source</i>	Driver

Pedestrian Details

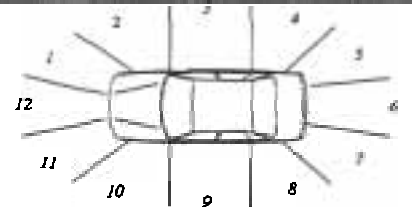
<i>Fatal</i>	Yes
<i>Age</i>	21
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.256 %
<i>Action</i>	Standing
<i>Movement</i>	Other
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	22
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	4 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked after impact

Impact Vehicle Details

<i>Vehicle Model</i>	1982 Nissan Skyline sedan	<i>Impact Point</i>	1
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

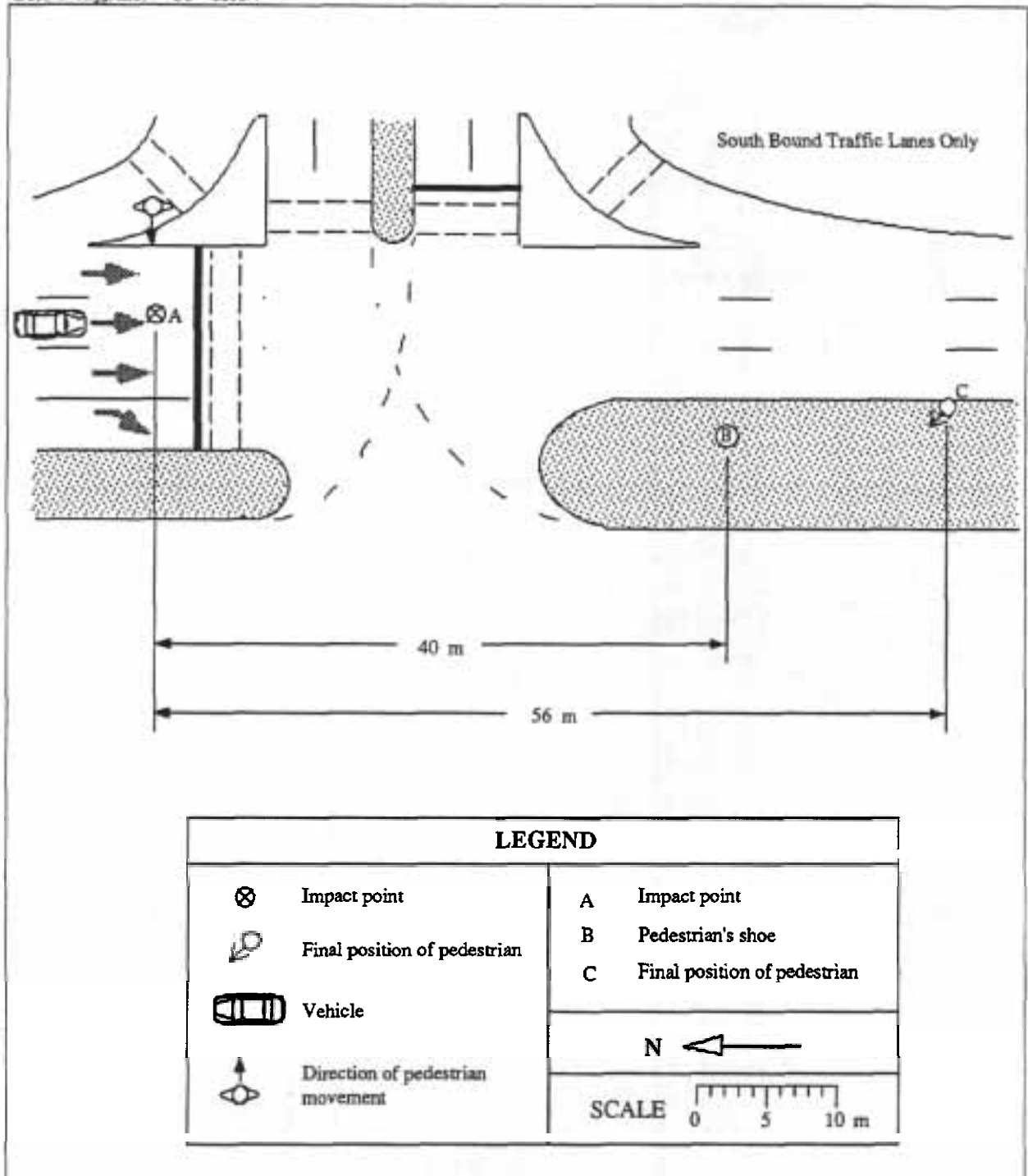


Road Site Details

<i>Traffic Control</i>	Traffic signal at intersection	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Raining	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	4	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Raised median strip		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	75	70	72	64
Impact Speed (km/hr)	75	70	72	64



Accident Description

The vehicle was travelling in a southerly direction at 80 km/hr in the centre of three through lanes. The driver saw the lights in the intersection were green for his direction of travel when he was 500 metres away. As he went across the pedestrian crossing he saw something directly in front of his vehicle and collided with it (at point A). The pedestrian was crossing in a westerly direction and had stopped in the middle lane and bent over. He was hit on his left hand side with the front of the right side of the car near the headlights. The pedestrian was thrown into the windscreen and carried on the bonnet before falling off and coming to rest (at point C.) The car slowed and was parked on the median strip.

Case Details

<i>Case Number</i>	86 - H057	<i>Calculation type</i>	3.1
<i>Date of Accident</i>	Saturday, August	<i>Time</i>	7 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	60 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	55 km/hr	<i>Impact Speed Source</i>	Projection distance

Pedestrian Details

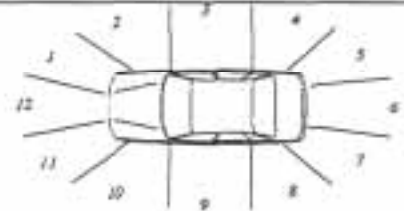
<i>Fatal</i>	Yes
<i>Age</i>	24
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0.225 %
<i>Action</i>	Lying on road
<i>Movement</i>	Other
<i>Side Impacted</i>	Unknown

Driver Details

<i>Age</i>	53
<i>Sex</i>	Female
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	30 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked after impact

Impact Vehicle Details

<i>Vehicle Model</i>	1976 Mazda 929 sedan	<i>Impact Point</i>	11
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		



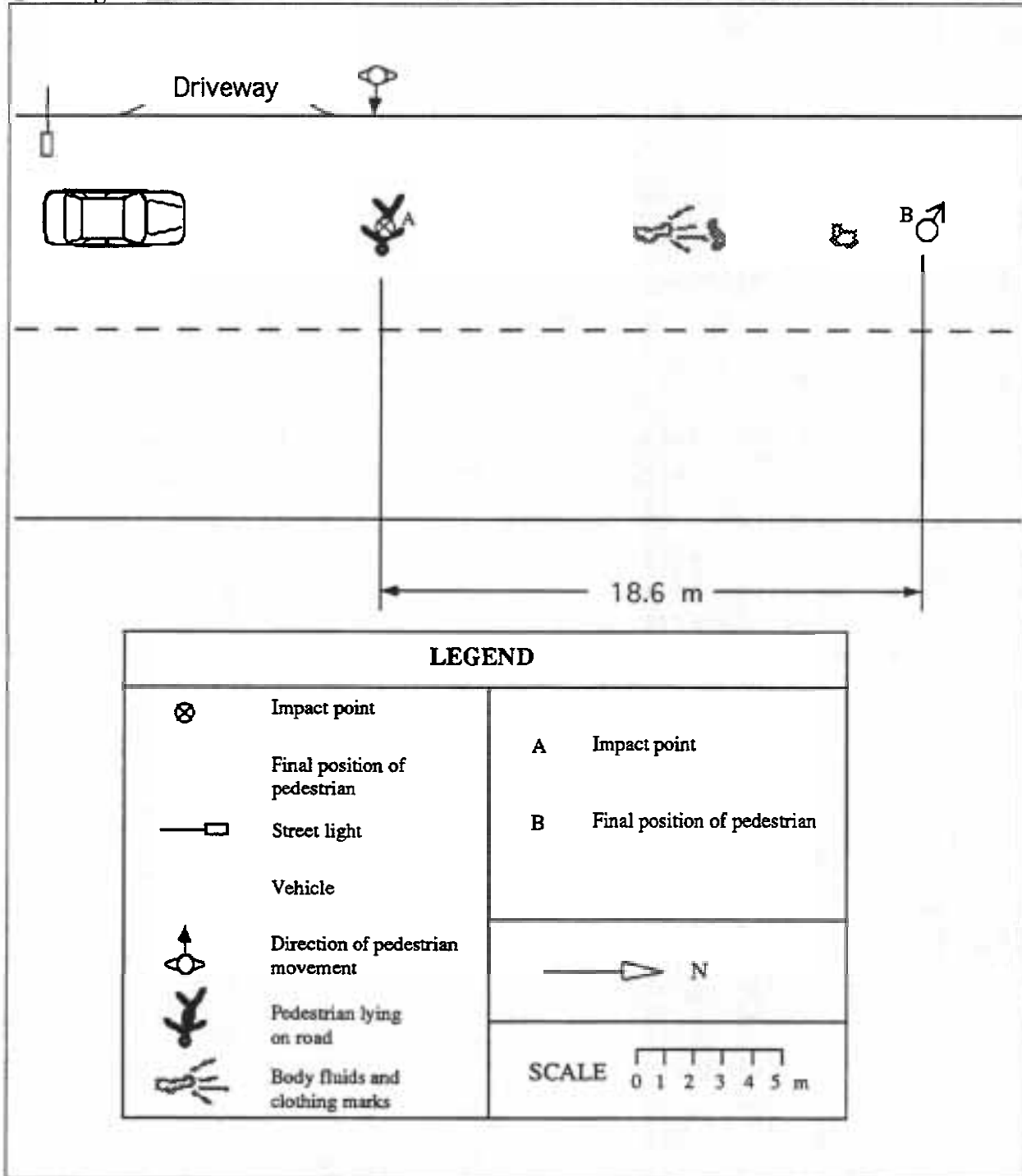
Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Local street
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Centre line		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
<i>Travel Speed (km/hr)</i>	55	50	54	48
<i>Impact Speed (km/hr)</i>	43	27	40	18

Site Diagram 86 - H057



Accident Description

The vehicle was travelling in a northerly direction at 60 km/hr, when the driver saw an object (a pedestrian) lying on the road. Instead of swerving and running over the object with the car wheels, the driver decided to try to pass over it. The object was larger than expected and was picked up by the front of the vehicle. The pedestrian had a high blood alcohol content as well as cannabinioids in her blood which may have accounted for her lying on the road. The car's front underside impacted the pedestrian at point A and she was dragged along the road by the car before coming to rest at point B.

Case Details

<i>Case Number</i>	86 - H062	<i>Calculation type</i>	2.1
<i>Date of Accident</i>	Tuesday, September	<i>Time</i>	10 am
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	92 km/hr	<i>Travel Speed Source</i>	Skid marks
<i>Impact Speed</i>	69 km/hr	<i>Impact Speed Source</i>	Skid marks

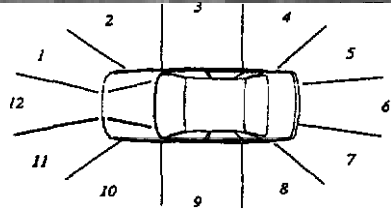
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	14
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	23
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	6 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked before impact

Impact Vehicle Details

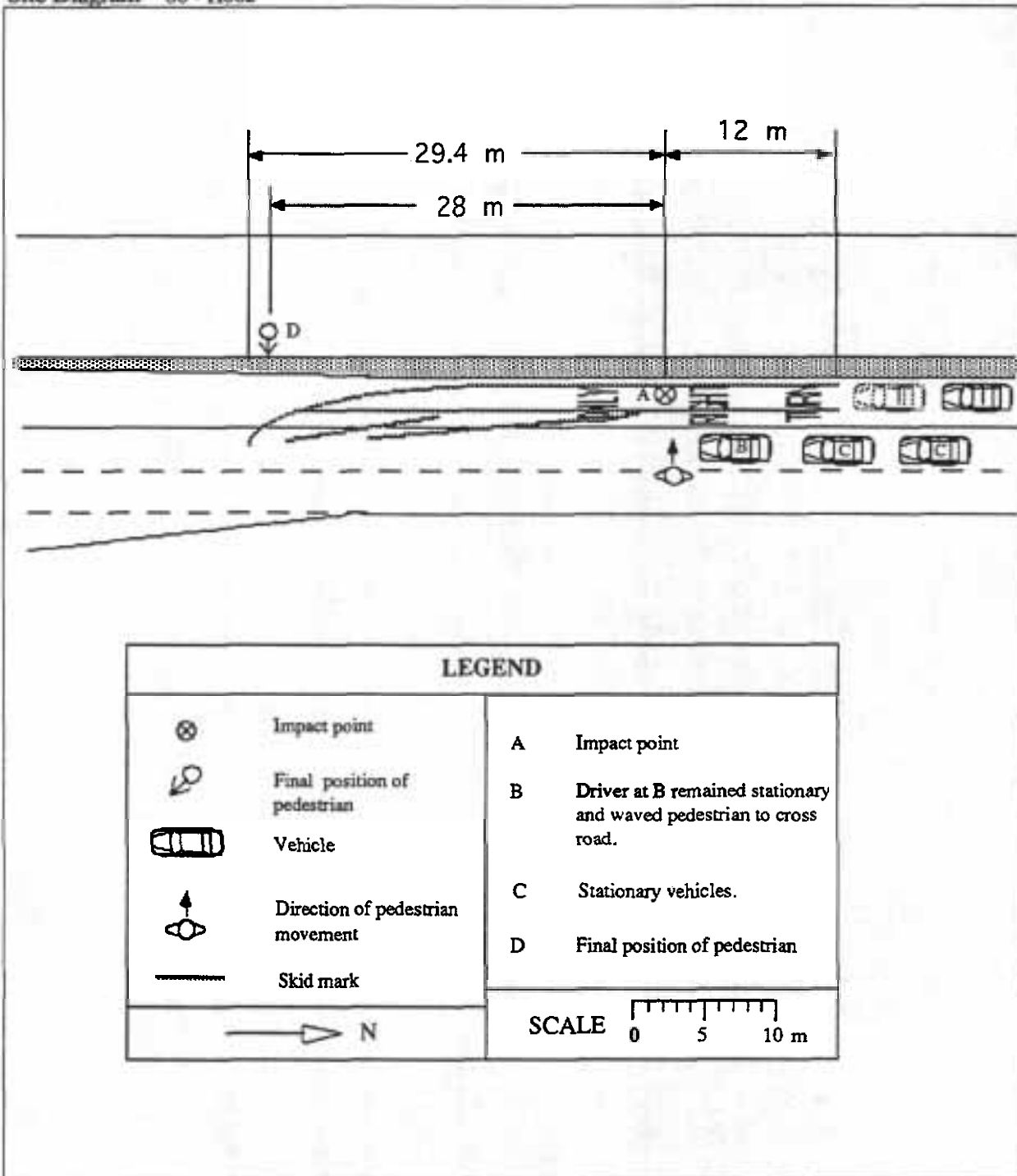
<i>Vehicle Model</i>	1975 Holden Torana sedan	<i>Impact Point</i>	1
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

Road Site Details

<i>Traffic Control</i>	Traffic signal at intersection	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	3	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Raised median strip		

Reduced Travel Speed Analysis

	5 km/hr	10 km/hr	10%	20%
Travel Speed (km/hr)	37	82	83	73
Impact Speed (km/hr)	50	50	52	27



Accident Description

The pedestrian was crossing the road from east to west. At the time, south bound traffic in both the eastern lane and centre lane had banked back from traffic lights and was stationary. When the pedestrian had crossed the eastern lane, the stationary traffic started to move forward but one vehicle remained stationary and the driver of that vehicle (vehicle B) waved the pedestrian across the road. Without looking to his right, the pedestrian then ran across the road and was hit by vehicle 1, which was travelling south in the right turn lane at about 92 km/hr. The driver of the striking car stated that he saw the pedestrian waiting to cross his lane and assumed that the pedestrian had seen him. When he was about two car lengths north of the pedestrian, the pedestrian ran into his path. The driver braked heavily. The front right of the vehicle collided with the pedestrian.

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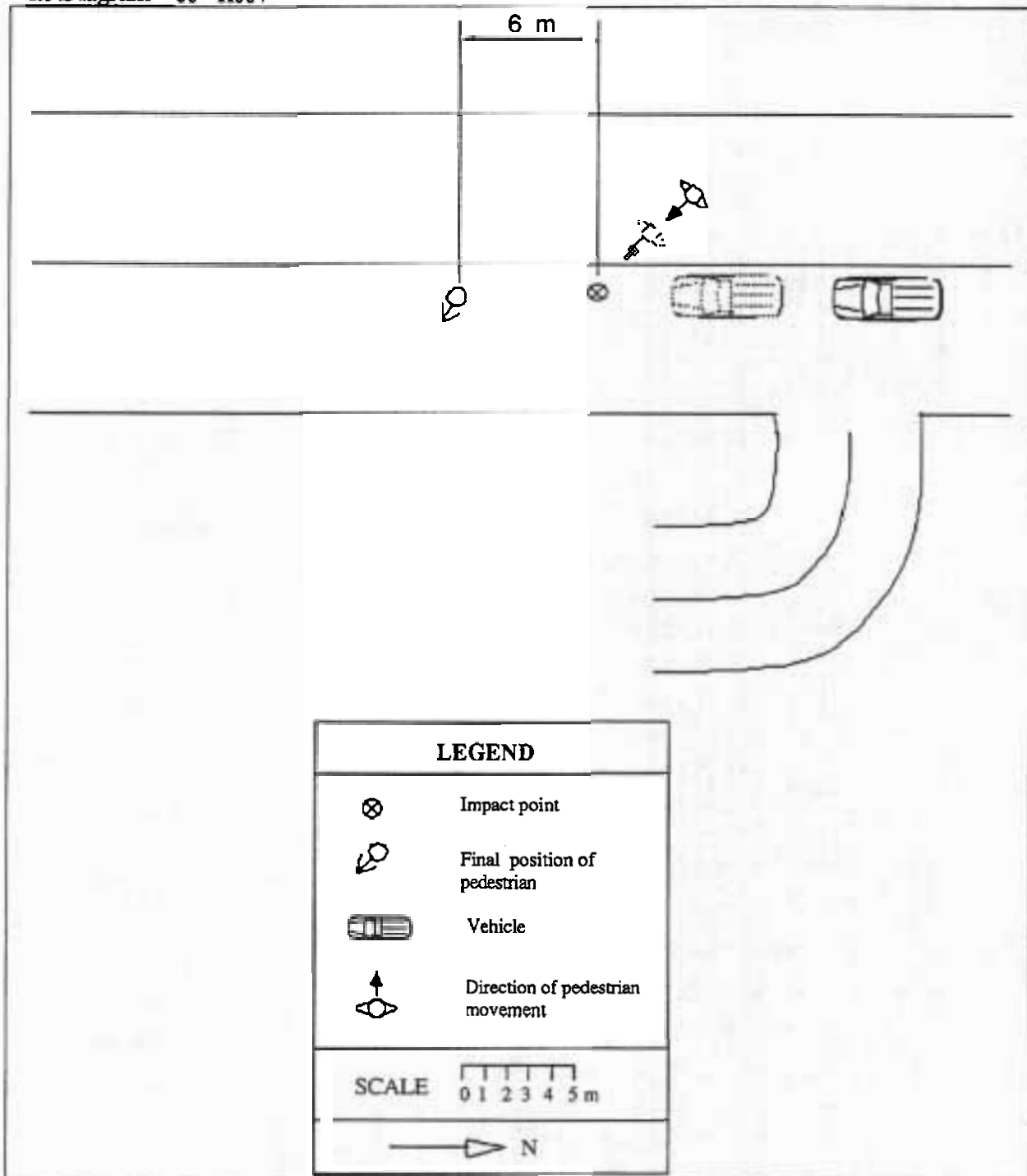
<i>Fatal</i> Yes <i>Age</i> 58 <i>Sex</i> Male <i>BAC Pedestrian</i> 0 % <i>Action</i> Walking <i>Movement</i> Crossing the road <i>Side Impacted</i> Left side to vehicle	<i>Age</i> 53 <i>Sex</i> Male <i>BAC Driver</i> 0.005 % <i>Driving Experience</i> 34 years <i>Licence Type</i> Full <i>Driver Action</i> Braked after impact
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<i>Vehicle Model</i> 1983 Toyota Land Cruiser <i>Type</i> Multi purpose vehicle <i>Number Involved</i> 1 <i>Modifications</i> Bull bar	<i>Impact Point</i> 1	
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Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	0	0	0	0



Accident Description

The vehicle was travelling south when it collided with a pedestrian crossing the road from west to east walking at about forty five degrees to the road with his back almost to the vehicle. The driver stated that he was travelling at about 60 km/hr and he did not see the pedestrian until he was immediately in front of the vehicle and did not have time to take any evasive action before impact. The driver braked and veered to the left after the impact. The vehicle's lights were on low beam and the pedestrian was wearing dark clothing at the time of the accident.

Case Details

<i>Case Number</i>	86 - H068	<i>Calculation type</i>	2.1
<i>Date of Accident</i>	Sunday, September	<i>Time</i>	9 am
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	55 km/hr	<i>Travel Speed Source</i>	Skid marks
<i>Impact Speed</i>	23 km/hr	<i>Impact Speed Source</i>	Skid marks

Pedestrian Details

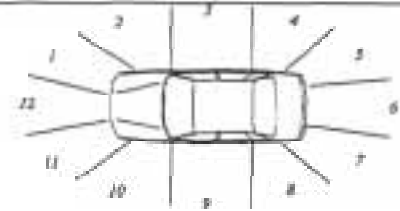
<i>Fatal</i>	Yes
<i>Age</i>	6
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	24
<i>Sex</i>	Female
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	7 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked before impact

Impact Vehicle Details

<i>Vehicle Model</i>	1981 Ford Falcon sedan	<i>Impact Point</i>	12
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

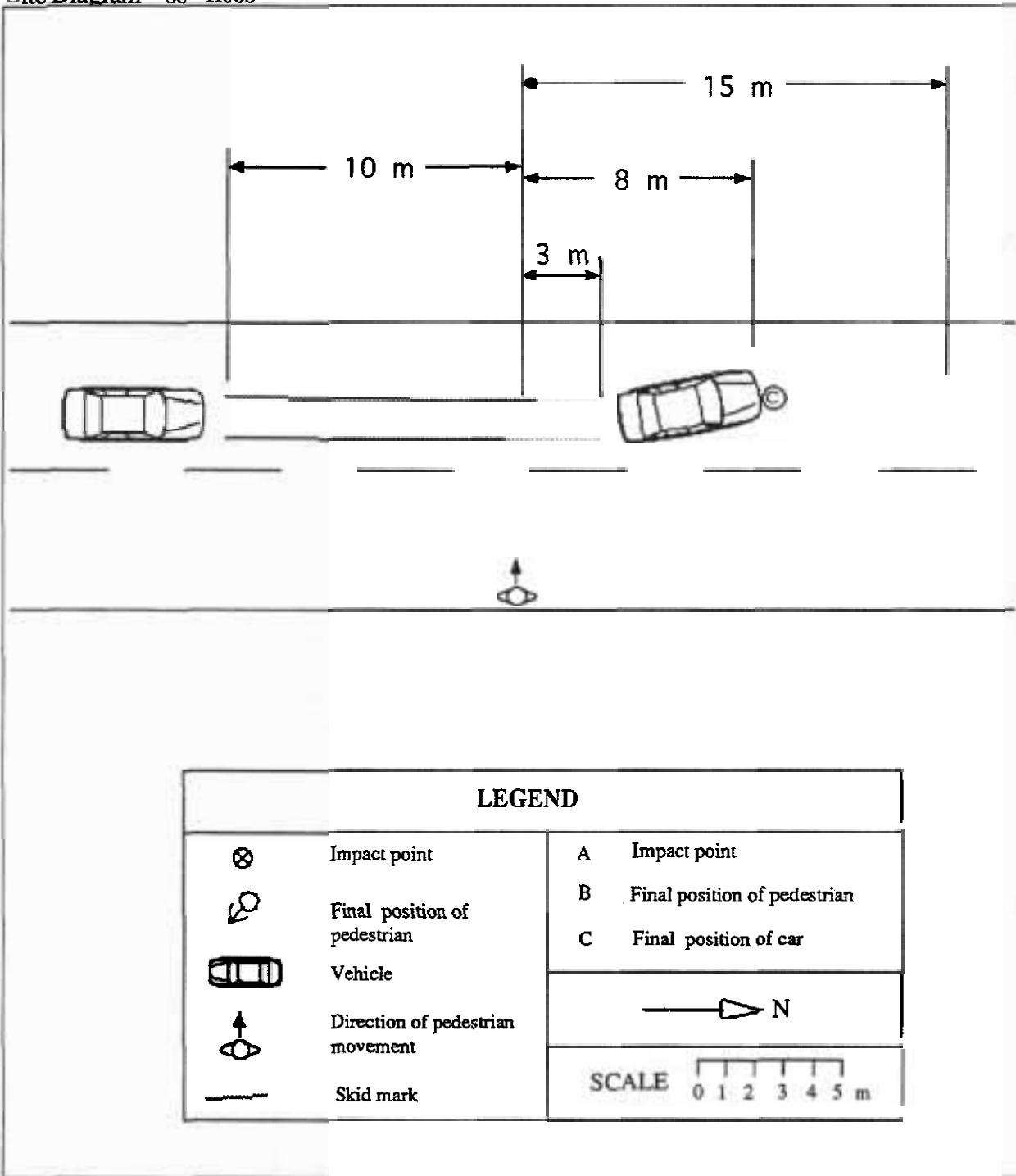


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Centre line		

Reduced Travel Speed Analysis

	5 km/hr	10 km/hr	10%	20%
Travel Speed (km/hr)	50	45	49	44
Impact Speed (km/hr)	0	0	0	0



Accident Description

The car was travelling in a northerly direction at about 55 km/hr. The pedestrian ran from the eastern kerb across the road. The driver said she saw the pedestrian about 10 metres ahead and braked immediately. A witness said that the pedestrian saw the car as he was crossing and ran faster to try and cross safely. The vehicle skidded along the road and collided with the pedestrian at point A. The pedestrian was hit on his left hand side by the middle of the front grill and was thrown forward to point B. The car stopped at point C.

Case Details

<i>Case Number</i>	86 - H069	<i>Calculation type</i>	1
<i>Date of Accident</i>	Saturday, October	<i>Time</i>	2 am
<i>Speed Limit</i>	80 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	80 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	80 km/hr	<i>Impact Speed Source</i>	Driver

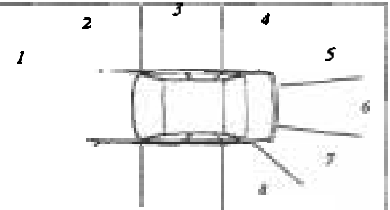
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	19
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.2 %
<i>Action</i>	Running
<i>Movement</i>	Along the road
<i>Side Impacted</i>	Back to vehicle

Driver Details

<i>Age</i>	23
<i>Sex</i>	Male
<i>BAC Driver</i>	0.03 %
<i>Driving Experience</i>	7 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked after impact

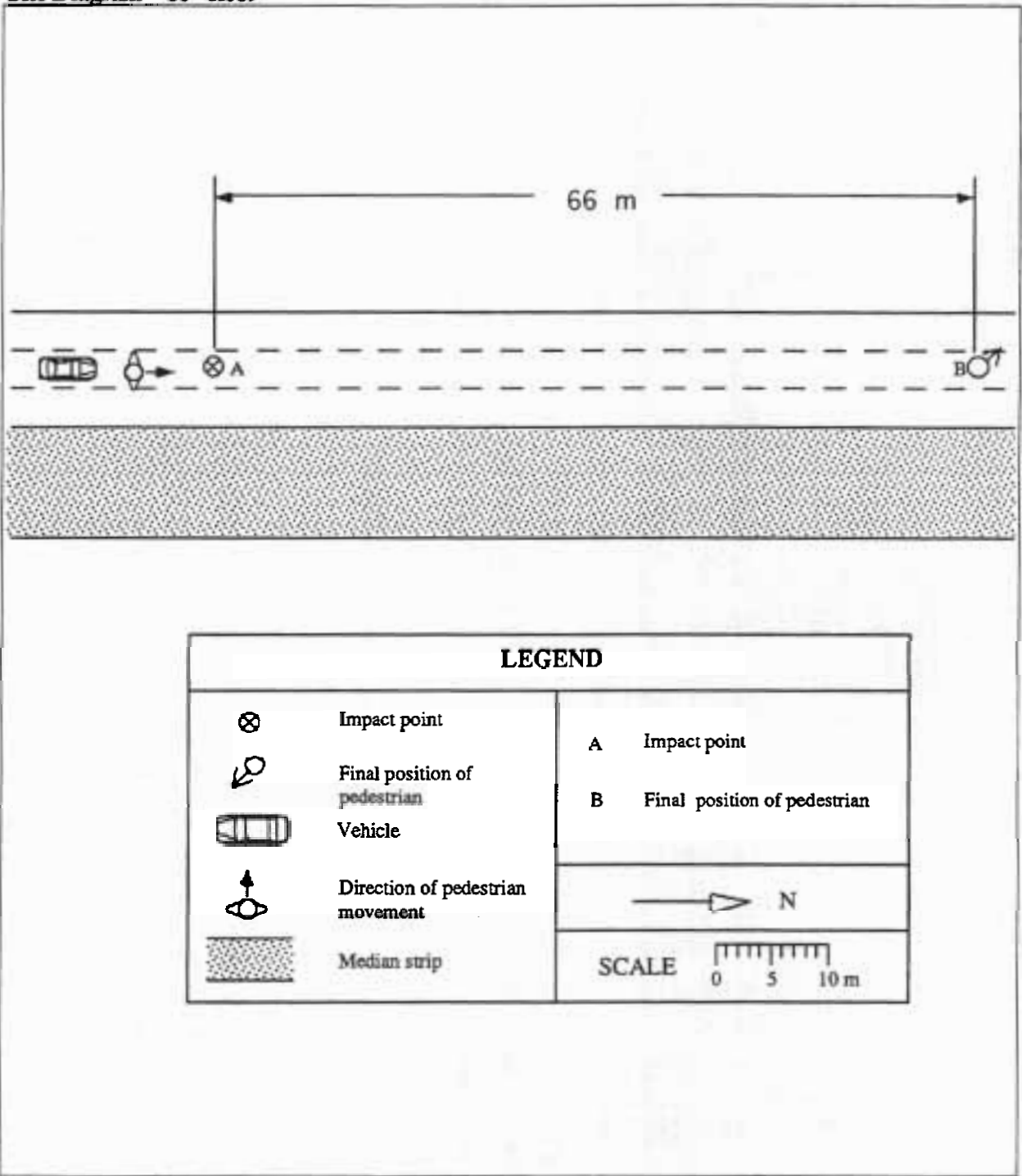
Vehicle Model 1974 Holden Torana sedan



Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	3	<i>Street Lighting</i>	None
<i>Road Division</i>	Raised median strip		

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	75	70	72	64
Impact Speed (km/hr)	75	70	72	64



Accident Description

The car was travelling at 80 km/hr in a northerly direction in the centre lane when the windscreen shattered. The driver braked to a stop and reversed back to where the collision occurred. The pedestrian had been walking in a northerly direction in the centre lane and had been struck from the rear by the front of the right side of the car (at point A). The pedestrian's head struck the base of the windscreen in front of the driver. The pedestrian then fell off the car and came to rest at point B.

Case Details

<i>Case Number</i>	86 - H070	<i>Calculation type</i>	3.1
<i>Date of Accident</i>	Tuesday, October	<i>Time</i>	10 am
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	45 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	42 km/hr	<i>Impact Speed Source</i>	Projection distance

Pedestrian Details

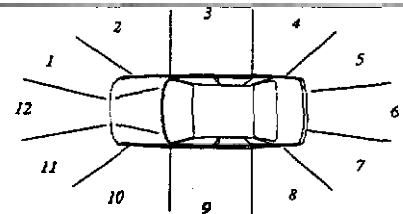
<i>Fatal</i>	Yes
<i>Age</i>	82
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	54
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	31 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked before impact

Impact Vehicle Details

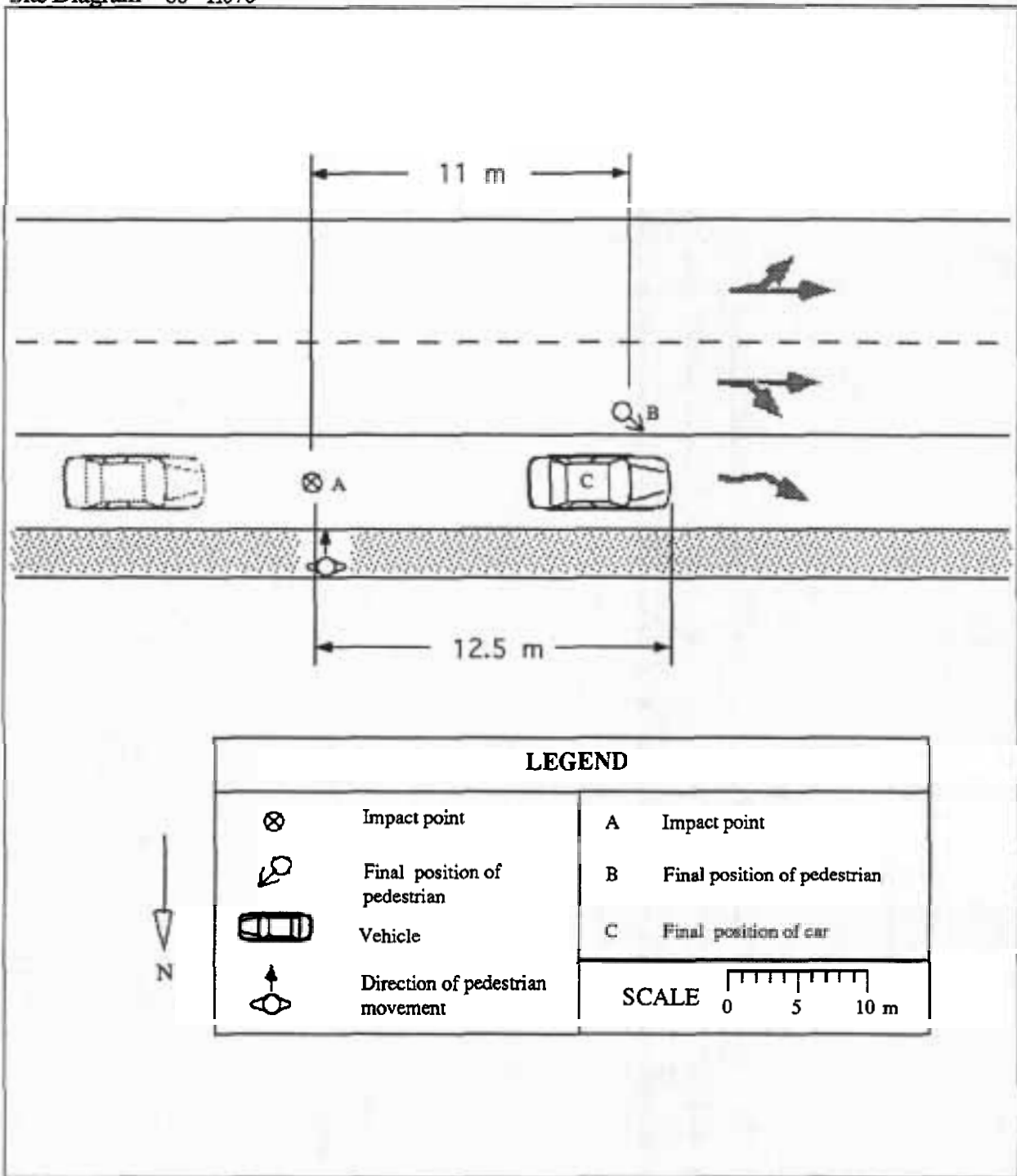
<i>Vehicle Model</i>	1982 Holden Gemini sedan	<i>Impact Point</i>	11
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		



Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	3	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Raised median strip		

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	40	35	41	36
Impact Speed (km/hr)	28	0	30	4



Accident Description

The car was travelling in a westerly direction at a speed of about 45 km/hr in the right hand lane. The driver said he saw the pedestrian standing on the median strip about 20 metres ahead of his vehicle and slowed down slightly. He said that when he was 2 to 3 metres from the pedestrian she stepped into his path and was struck on her left hand side by the left front of the car at point A. Her head hit the plenum chamber and she was then thrown forward off the car slid along the road surface and came to rest at point B. The car stopped at point C.

Case Details

<i>Case Number</i>	86 - H073	<i>Calculation type</i>	2.1
<i>Date of Accident</i>	Monday, October	<i>Time</i>	1 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	77 km/hr	<i>Travel Speed Source</i>	Skid marks
<i>Impact Speed</i>	40 km/hr	<i>Impact Speed Source</i>	Skid marks

Pedestrian Details

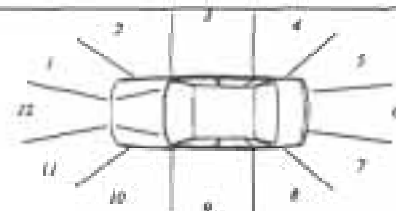
<i>Fatal</i>	Yes
<i>Age</i>	75
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Along the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	19
<i>Sex</i>	Male
<i>BAC Driver</i>	Unknown
<i>Driving Experience</i>	2 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Unknown

Impact Vehicle Details

<i>Vehicle Model</i>	1970 Ford Falcon utility	<i>Impact Point</i>	11
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

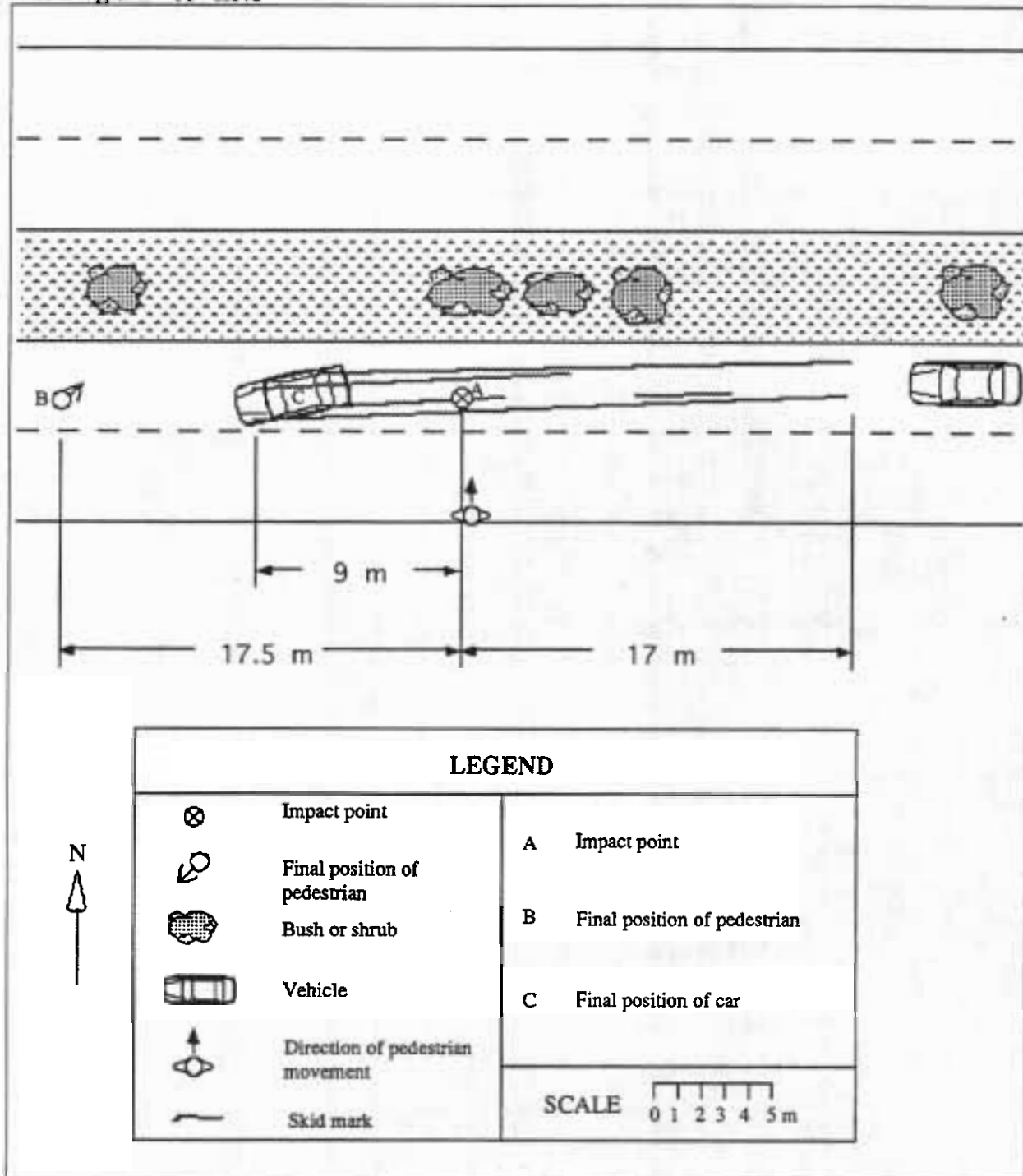


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Raised median strip		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	72	67	69	61
Impact Speed (km/hr)	23	0	0	0



Accident Description

The car was travelling in a westerly direction at about 77 km/hr. The driver stated that he saw the pedestrian as she stepped from the southern kerb and assumed she would look to her right and stop. The driver realised that the pedestrian was not going to stop and collision was imminent when he was about 20 metres away. He immediately applied the brakes and the car slid with all wheels locked up, striking the pedestrian at point A. The pedestrian was hit on her right hand side by front of the car. She then struck her head on the top of the bonnet, slid up the windscreen, and fell off onto the road. She came to rest at point B. The car stopped at point C.

Case Details

<i>Case Number</i>	86 - H076	<i>Calculation type</i>	1
<i>Date of Accident</i>	Thursday, November	<i>Time</i>	4 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	60 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	60 km/hr	<i>Impact Speed Source</i>	Driver

Pedestrian Details

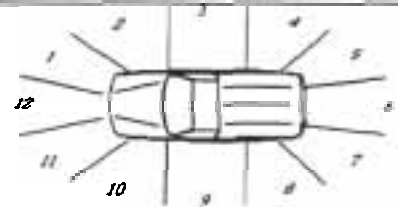
<i>Fatal</i>	Yes
<i>Age</i>	53
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.186 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Facing vehicle

Driver Details

<i>Age</i>	31
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	16 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	No evasive action

Impact Vehicle Details

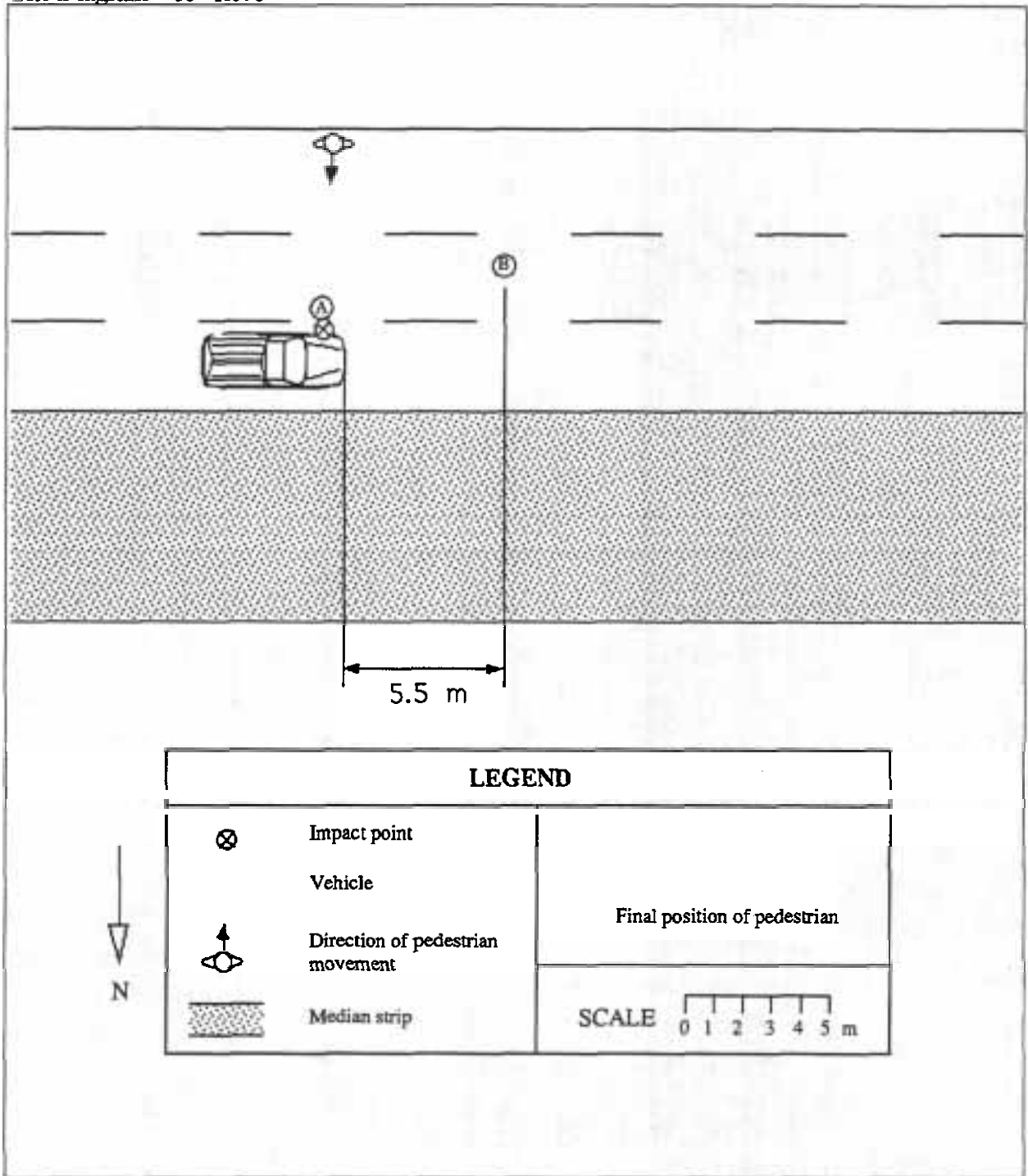
<i>Vehicle Model</i>	1986 Ford Courier utility	<i>Impact Point</i>	10
<i>Type</i>	Car derivative		
<i>Number Involved</i>	1		
<i>Modifications</i>	Glass carrying		



Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Heavy	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	3	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Raised median strip		

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	55	50	54	48



Accident Description

The utility was travelling in a westerly direction at 60 km/hr in the right hand lane. The pedestrian was crossing the road in a northerly direction towards the median strip. He crossed the first two lanes through a break in the traffic and stopped on the line between the centre and right hand lanes. When the vehicle was almost opposite, the pedestrian stepped into the side of it (point A). The pedestrian was facing the vehicle and he was hit by the left hand side mirror, then the glass carrying fixture and glass on the rear of the utility and fell to the road, coming to rest at point B. The driver of the vehicle thought the pedestrian would wait for him to pass. He then braked after the collision occurred and parked his vehicle on the median strip.

Case Details

<i>Case Number</i>	86 - H086	<i>Calculation type</i>	3.1
<i>Date of Accident</i>	Saturday, December	<i>Time</i>	1 am
<i>Speed Limit</i>	80 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	70 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	67 km/hr	<i>Impact Speed Source</i>	Projection distance

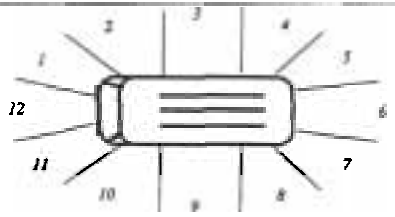
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	26
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.251 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	29
<i>Sex</i>	Male
<i>BAC Driver</i>	Unknown
<i>Driving Experience</i>	13 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked after impact

Impact Vehicle Details

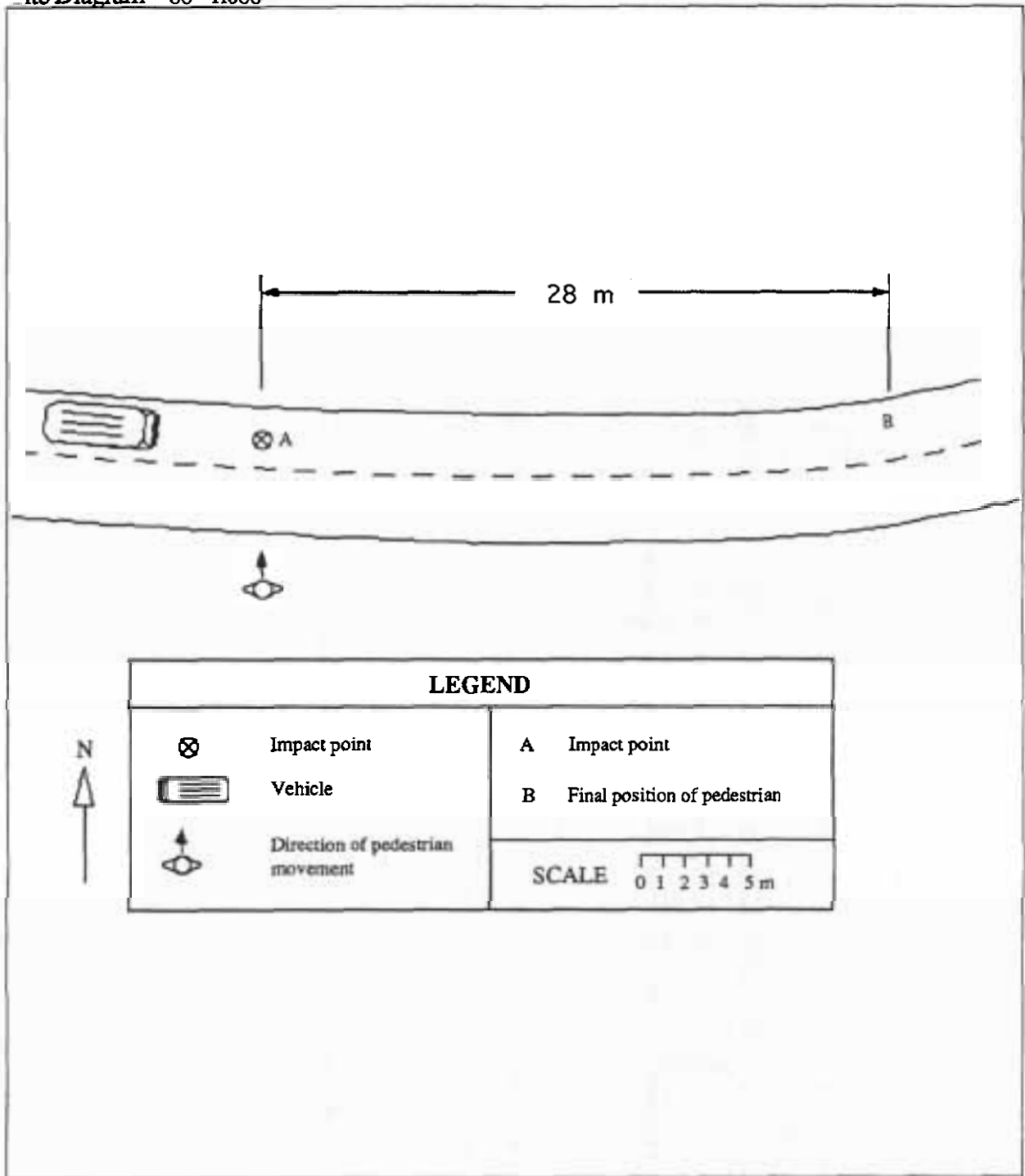
<i>Vehicle Model</i>	1986 Mitsubishi Express van	
<i>Type</i>	Van	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Curved
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	None
<i>Road Division</i>	Centre line		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	65	60	63	56
Impact Speed (km/hr)	57	45	53	33



Accident Description

The van was travelling in a easterly direction at 70 km/hr. The driver said that he saw the pedestrian, wearing dark coloured clothing, when he was 2 to 3 metres ahead of the van and assumed that he would give way. The pedestrian walked in a northerly direction across the road into the path of the van. The driver immediately applied the brakes at impact (point A). The pedestrian was struck on his right hand side by just left of centre of the front of the van. His head struck the windscreen and he was then thrown forward onto the road coming to rest at point B.

Case Details

<i>Case Number</i>	86 - H087	<i>Calculation type</i>	1
<i>Date of Accident</i>	Saturday, December	<i>Time</i>	5 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	55 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	55 km/hr	<i>Impact Speed Source</i>	Driver

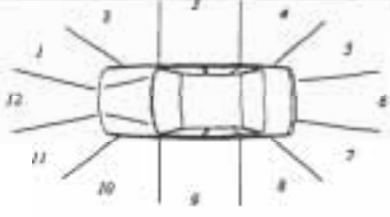
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	2
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	21
<i>Sex</i>	Female
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	5 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	No evasive action

Impact Vehicle Details

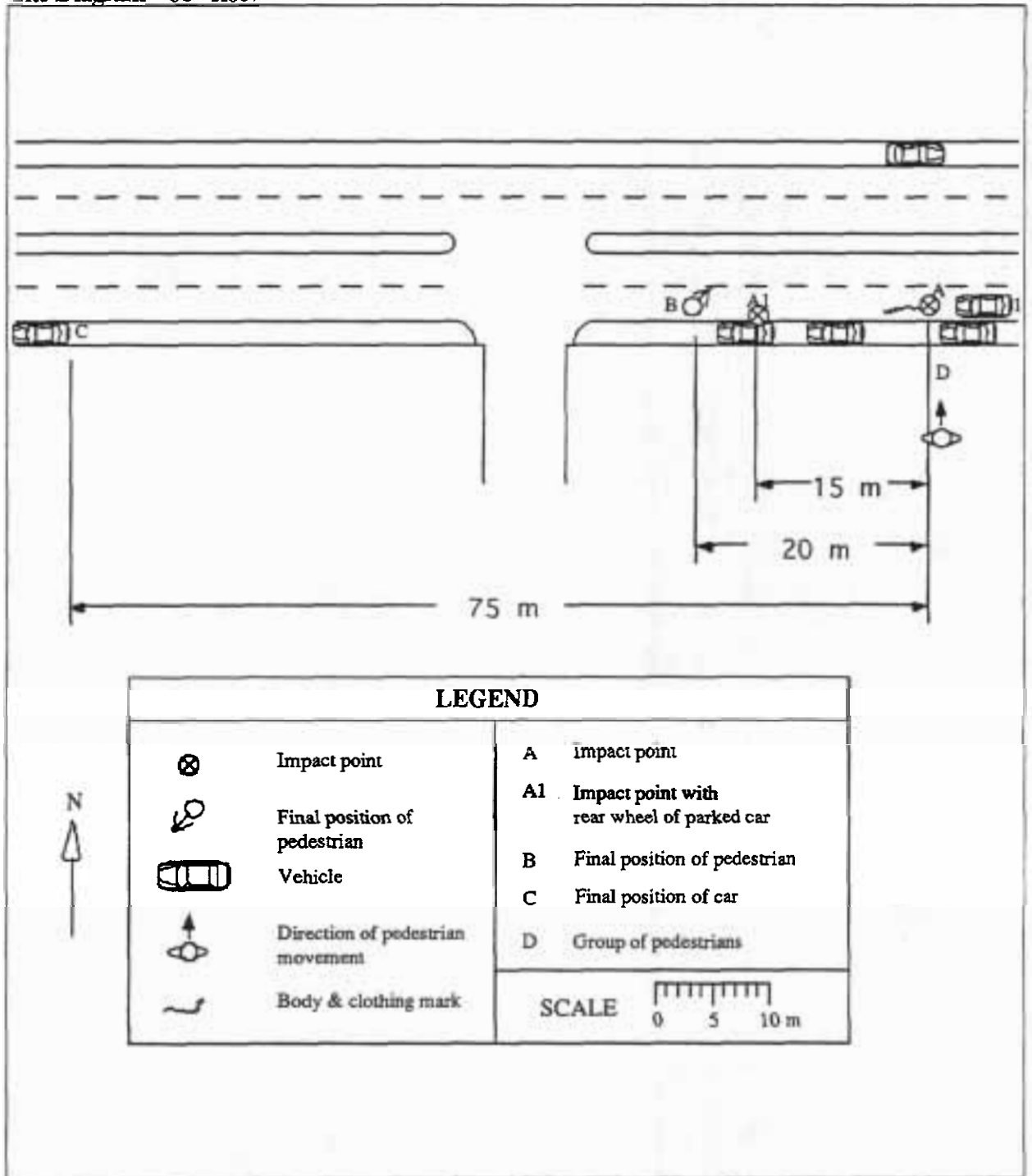
<i>Vehicle Model</i>	1985 Holden Commodore sedan	
<i>Type</i>	Car	
<i>Number Involved</i>	2	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Painted median strip		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	50	45	50	44
Impact Speed (km/hr)	50	45	50	44



Accident Description

The car was travelling in a westerly direction at 55 km/hr. The driver saw a crowd of people standing on the southern footpath (point D), slowed her vehicle slightly, and as she passed began to accelerate she then heard a noise from the front of the car. She was told to stop by a passenger and she did. The pedestrian had walked across the footpath and between two parked cars in a northerly direction towards a car parked on the northern side of the road. The pedestrian took two more steps past the parked car and was struck by the car (at point A). The pedestrian was hit on his right hand side by the left side headlight, and was thrown forward along the road, colliding with the rear wheel of vehicle 2 at point A1, bounced off and came to rest at point B. The driver of vehicle 1 applied her brakes and stopped at point C.

Case Details

<i>Case Number</i>	86 - H090	<i>Calculation type</i>	3.1
<i>Date of Accident</i>	Sunday, December	<i>Time</i>	3 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	60 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	60 km/hr	<i>Impact Speed Source</i>	Projection distance

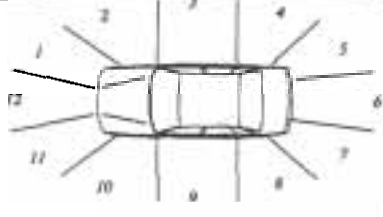
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	3
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Facing vehicle

Driver Details

<i>Age</i>	34
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	16 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	No evasive action

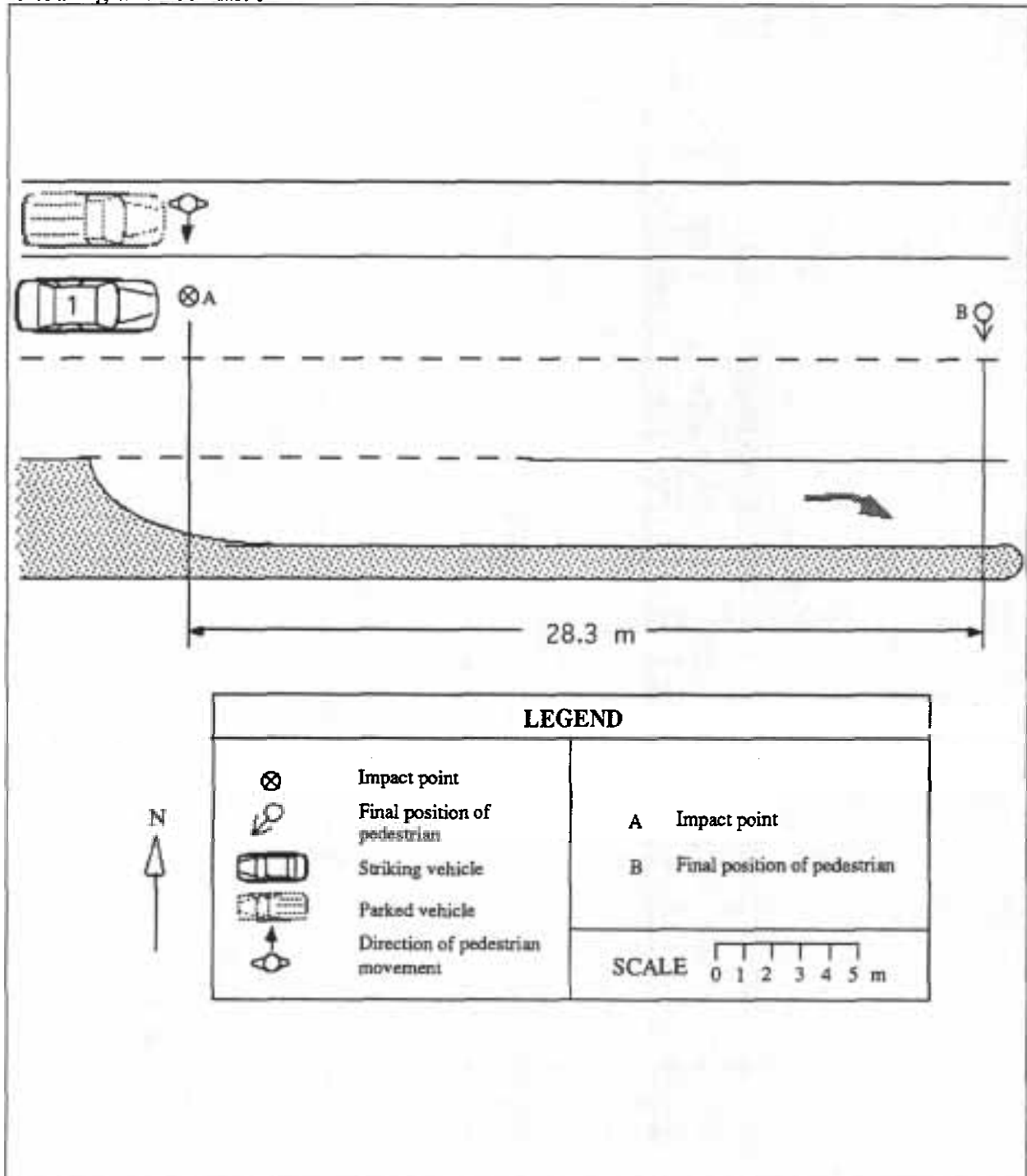
Impact Vehicle Details

<i>Vehicle Model</i>	1982 Ford Falcon sedan	
<i>Type</i>	Car	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	3	<i>Street Lighting</i>	None
<i>Road Division</i>	Raised median strip		

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	49	37	47	30



Accident Description

Vehicle 1 was being driven in a northerly direction at 60 km/hr. The pedestrian ran from in front of a parked vehicle onto the road and was called out to by her father so she stopped. At his point the child was struck by vehicle 1. The driver of vehicle 1 had no time to react and collided with the pedestrian at point A. The pedestrian was facing the car and was struck by the centre of the front of the car and thrown forward impacting the road and then run over by the car. Her feet were run over by a tyre. The pedestrian came to rest at point B and the car slowed and stopped further down the road.

Case Details

<i>Case Number</i>	86 - H091	<i>Calculation type</i>	1
<i>Date of Accident</i>	Monday, December	<i>Time</i>	9 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	60 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	60 km/hr	<i>Impact Speed Source</i>	Driver

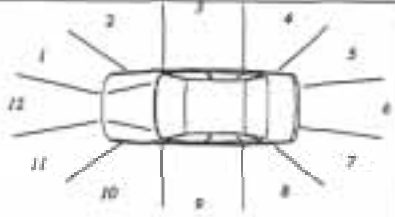
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	89
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	40
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	22 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked after impact

Impact Vehicle Details

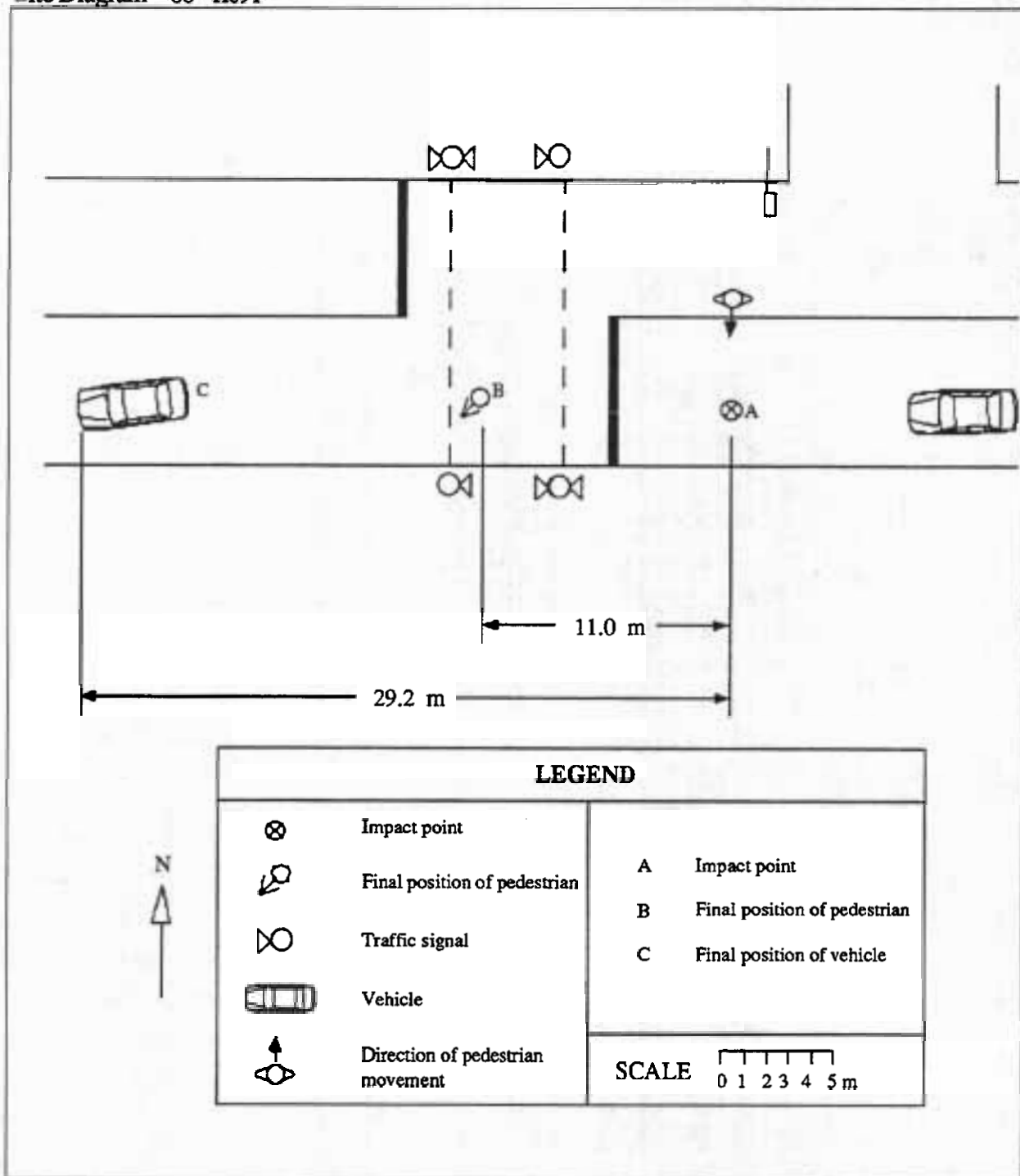
<i>Vehicle Model</i>	1980 Ford Falcon sedan	
<i>Type</i>	Car	
<i>Number Involved</i>	1	<i>Impact Point</i> 11
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	Pedestrian operated traffic signals	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Centre line		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	55	50	54	48
Impact Speed (km/hr)	55	50	54	48



Accident Description

The car was travelling in a westerly direction at 60 km/hr. The pedestrian was thought to be crossing the road in a southerly direction, just east of the pedestrian crossing. The driver of vehicle 1 did not see the pedestrian before the impact. The pedestrian was struck at point A on his left hand side by the front left side of the bonnet. He then rolled up and impacted his head on the base of the windscreen and fell off the left side of the car, coming to rest at point B. The driver braked and brought the car to a stop at point C.

Case Details

<i>Case Number</i>	87 - H008	<i>Calculation type</i>	2.1
<i>Date of Accident</i>	Friday, January	<i>Time</i>	3 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	63 km/hr	<i>Travel Speed Source</i>	Skid marks
<i>Impact Speed</i>	33 km/hr	<i>Impact Speed Source</i>	Skid marks

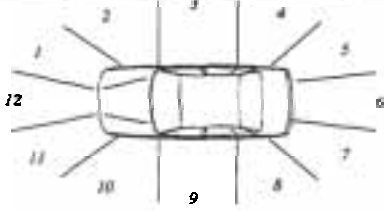
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	81
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0%
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	39
<i>Sex</i>	Male
<i>BAC Driver</i>	0%
<i>Driving Experience</i>	20 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked before impact

Impact Vehicle Details

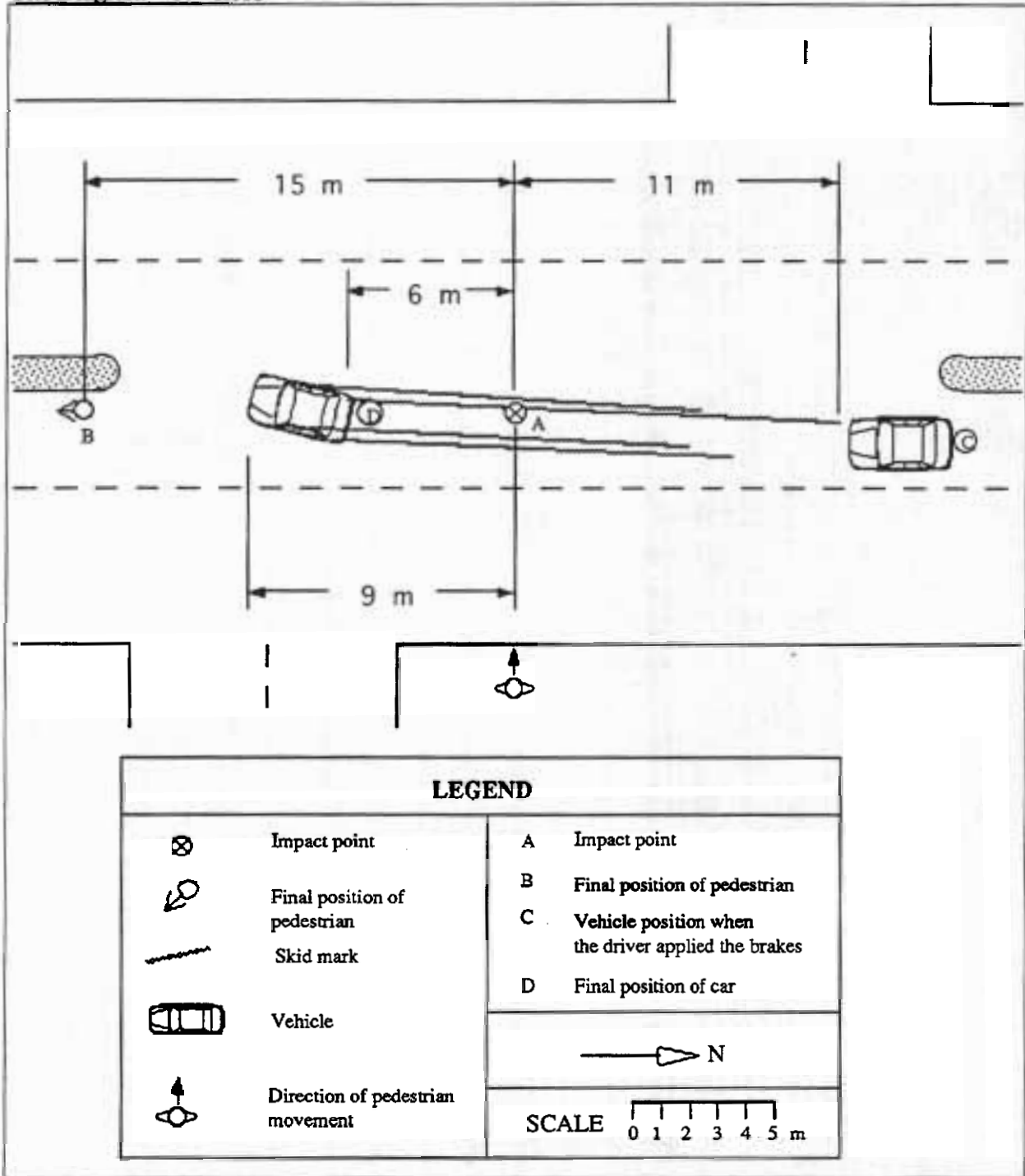
<i>Vehicle Model</i>	1973 Chrysler Galant sedan	
<i>Type</i>	Car	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	None
<i>Road Division</i>	Raised median strip		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	58	53	56	50
Impact Speed (km/hr)	9	0	0	0



Accident Description

The car was travelling in a southerly direction at about 63 km/hr in the right hand lane. The driver was concentrating on the pedestrian lights 200 metres south, which were red at the time. When the lights turned green he then refocused on the roadway in front of him and saw a pedestrian pushing a shopping trolley crossing the road in a westerly direction. The pedestrian was on the white lane dividing line and then stepped in front of the vehicle. The driver immediately applied the brakes locking all wheels and swerved to the right. The vehicle collided with the pedestrian at point A. The pedestrian was hit on her right hand side by the left side of the front of the car and rolled up impacting the windscreen then thrown forward to the road, coming to rest at point B. The stopped at point D.

Case Details

<i>Case Number</i>	87 - H009	<i>Calculation type</i>	3.1
<i>Date of Accident</i>	Friday, January	<i>Time</i>	4 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	45 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	39 km/hr	<i>Impact Speed Source</i>	Projection distance

Pedestrian Details

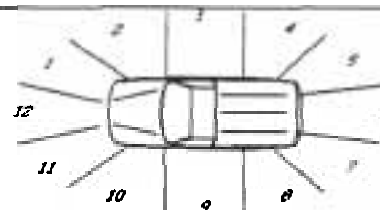
<i>Fatal</i>	Yes
<i>Age</i>	8
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	unknown
<i>Sex</i>	
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	Unknown
<i>Licence Type</i>	Unknown
<i>Driver Action</i>	Braked before impact

Impact Vehicle Details

<i>Vehicle Model</i>	1972 Holden utility	<i>Impact Point</i>	12
<i>Type</i>	Car derivative		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

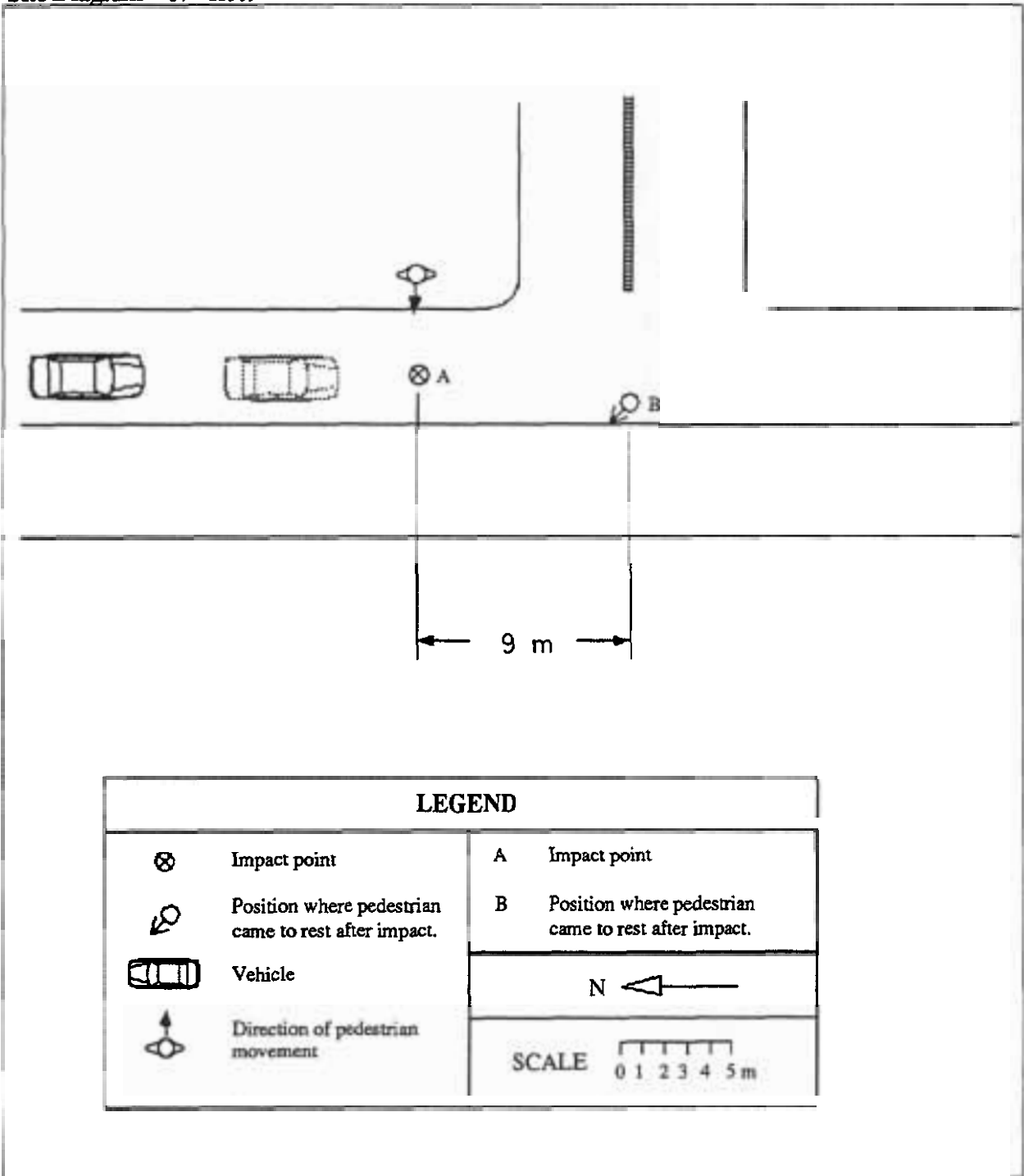


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Unknown	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	None
<i>Road Division</i>	Centre line		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	40	35	41	36
Impact Speed (km/hr)	23	0	25	0



Accident Description

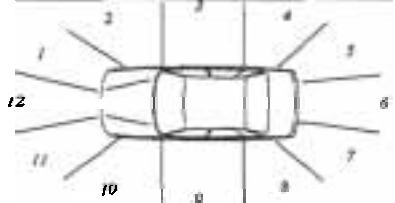
Vehicle 1, travelling south, collided with a pedestrian who was running across the road from east to west. The driver stated that he was travelling at about 45 km/hr and braked before impact. The driver also stated that no wheels locked up and that the vehicle stopped about 8 to 10 metres after the impact. The pedestrian was hit on the right hand side, by the centre of the front of the car.

Case Details

<i>Case Number</i>	87 - H012	<i>Calculation type</i>	2.1
<i>Date of Accident</i>	Sunday, March	<i>Time</i>	3 am
<i>Speed Limit</i>	80 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	103 km/hr	<i>Travel Speed Source</i>	Skid marks
<i>Impact Speed</i>	87 km/hr	<i>Impact Speed Source</i>	Skid marks

Pedestrian Details		Driver Details	
<i>Fatal</i>	Yes	<i>Age</i>	33
<i>Age</i>	20	<i>Sex</i>	Male
<i>Sex</i>	Male	<i>BAC Driver</i>	0%
<i>BAC Pedestrian</i>	0.182%	<i>Driving Experience</i>	Unknown
<i>Action</i>	Walking	<i>Licence Type</i>	Full
<i>Movement</i>	Along the road	<i>Driver Action</i>	Braked before impact
<i>Side Impacted</i>	Back to vehicle		

Impact Vehicle Details

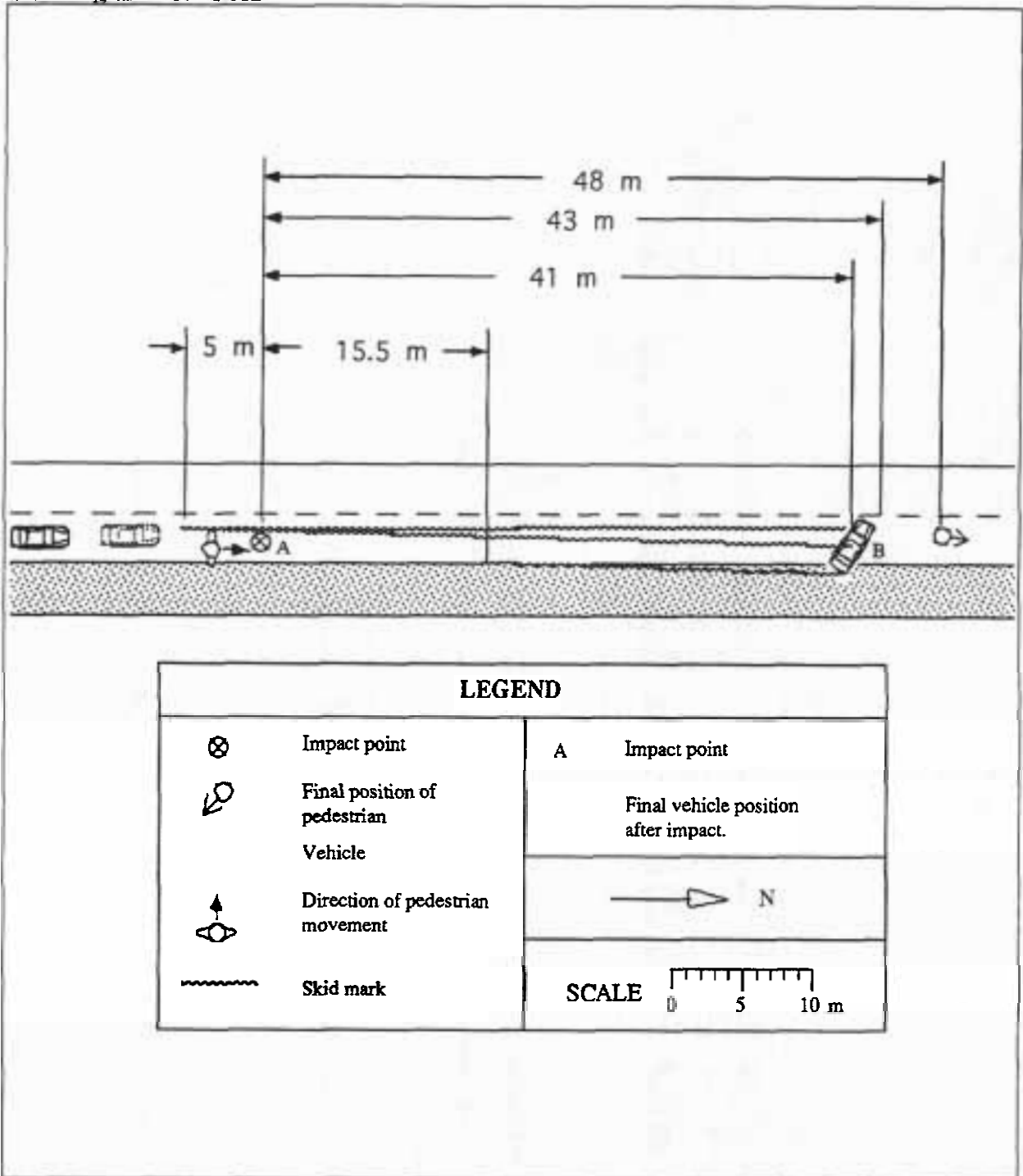
<i>Vehicle Model</i>	1971 Holden Kingswood sedan	
<i>Type</i>	Car	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	None
<i>Road Division</i>	Raised median strip		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	98	93	93	83
Impact Speed (km/hr)	79	71	70	49



Accident Description

The car travelling north, collided with a pedestrian who was walking on the road in a southerly direction. The driver stated that he was travelling about 80 km/hr. However, the travel speed calculated from skid marks indicates that the car was travelling at about 103 km/hr. The driver applied the brakes before impact. Two other witnesses who were travelling north before the accident confirm the movements of the pedestrian. They agree that the pedestrian was walking on the roadway. They also stated that evasive action on their part had to be taken to avoid the pedestrian. There was no street lighting in the vicinity of the accident.

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**(CASE OUTSIDE THE ADELAIDE STATISTICAL DIVISION - CASE REMOVED
FROM SAMPLE)**

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**(CASE OUTSIDE THE ADELAIDE STATISTICAL DIVISION - CASE REMOVED
FROM SAMPLE)**

Case Details

<i>Case Number</i>	87 - H025	<i>Calculation type</i>	3.1
<i>Date of Accident</i>	Tuesday, April	<i>Time</i>	10 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	50 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	46 km/hr	<i>Impact Speed Source</i>	Projection distance

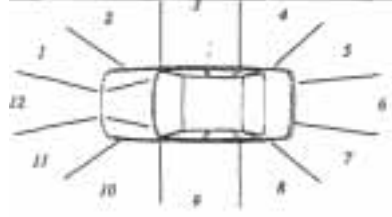
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	38
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.13 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	52
<i>Sex</i>	Female
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	30 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked before impact

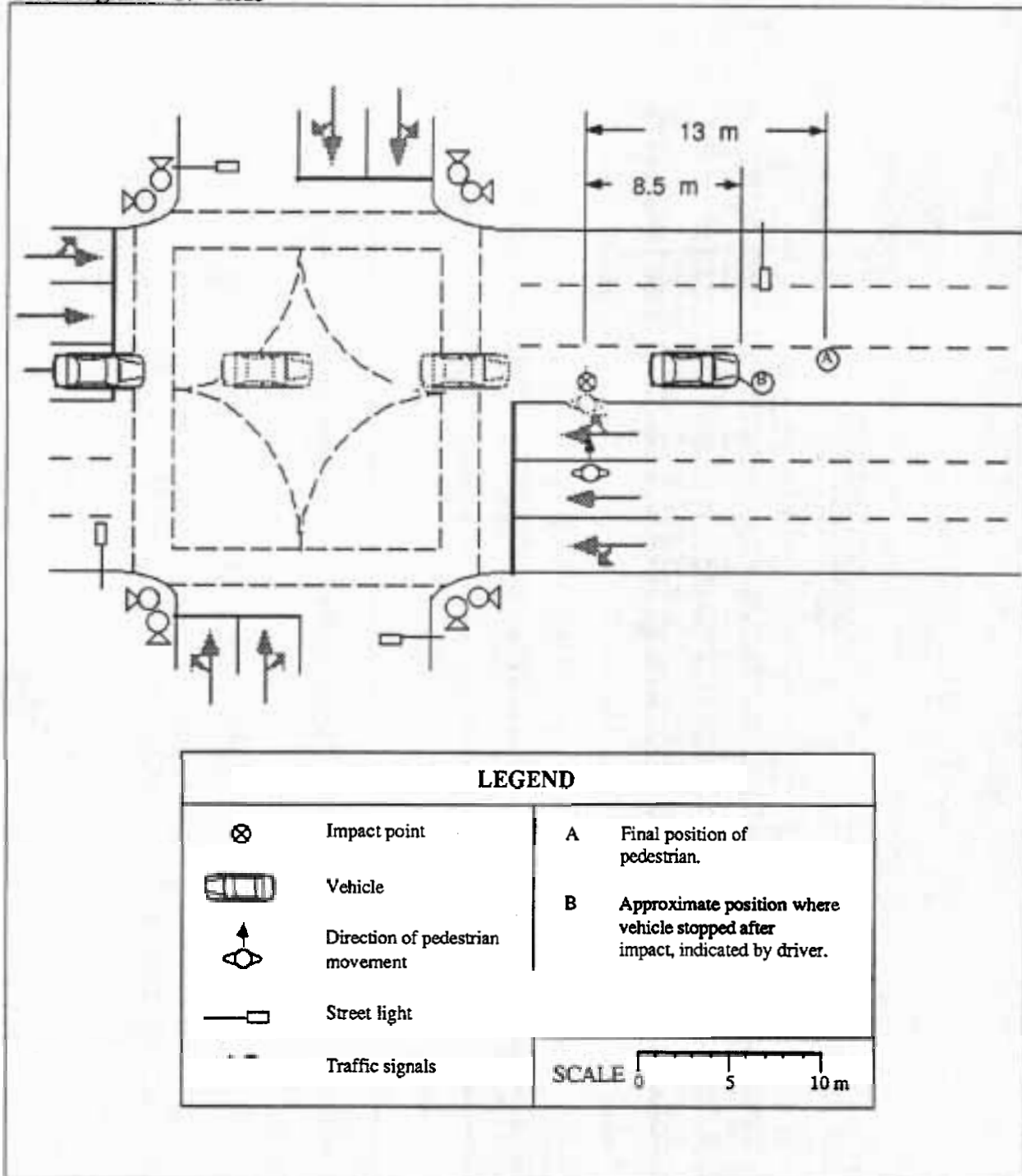
Impact Vehicle Details

<i>Vehicle Model</i>	1980 Mazda 323 sedan	<i>Impact Point</i>	1
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		

Road Site Details

<i>Traffic Control</i>	Traffic signal at intersection	<i>Road Type</i>	Local street
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Night
<i>Number of Lanes</i>	3	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Centre line		

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	45	40	45	40
Impact Speed (km/hr)	32	6	32	6



Accident Description

The car, travelling south in the western most lane on a three lane road for south bound traffic, had just crossed a signalised intersection when a pedestrian, affected by alcohol, staggered in a easterly direction into the path of the vehicle. The driver stated that she was travelling at about 50 km/hr and that she saw the pedestrian only about 2 metres south of her vehicle and directly in front of it. She braked before impact but was not able to avoid the collision. The driver also stated that the vehicle stopped about one to one and a half car lengths south of the point of impact (these are clearly under estimates of the actual distances). She then reversed her vehicle back to the point of impact. Witnesses state that the traffic lights at the intersection were showing green for north and south bound traffic at the time of the accident. The pedestrian was hit on the left side by the front right of the vehicle.

Case Details

<i>Case Number</i>	87 - H034	<i>Calculation type</i>	2.1
<i>Date of Accident</i>	Sunday, August	<i>Time</i>	3 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	67 km/hr	<i>Travel Speed Source</i>	Skid marks
<i>Impact Speed</i>	58 km/hr	<i>Impact Speed Source</i>	Skid marks

Pedestrian Details

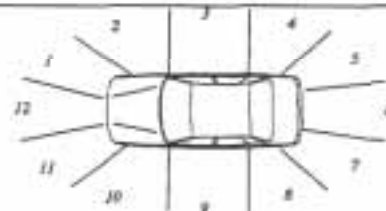
<i>Fatal</i>	Yes
<i>Age</i>	37
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0.236 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

Driver Details

<i>Age</i>	25
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	7 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked before impact

Impact Vehicle Details

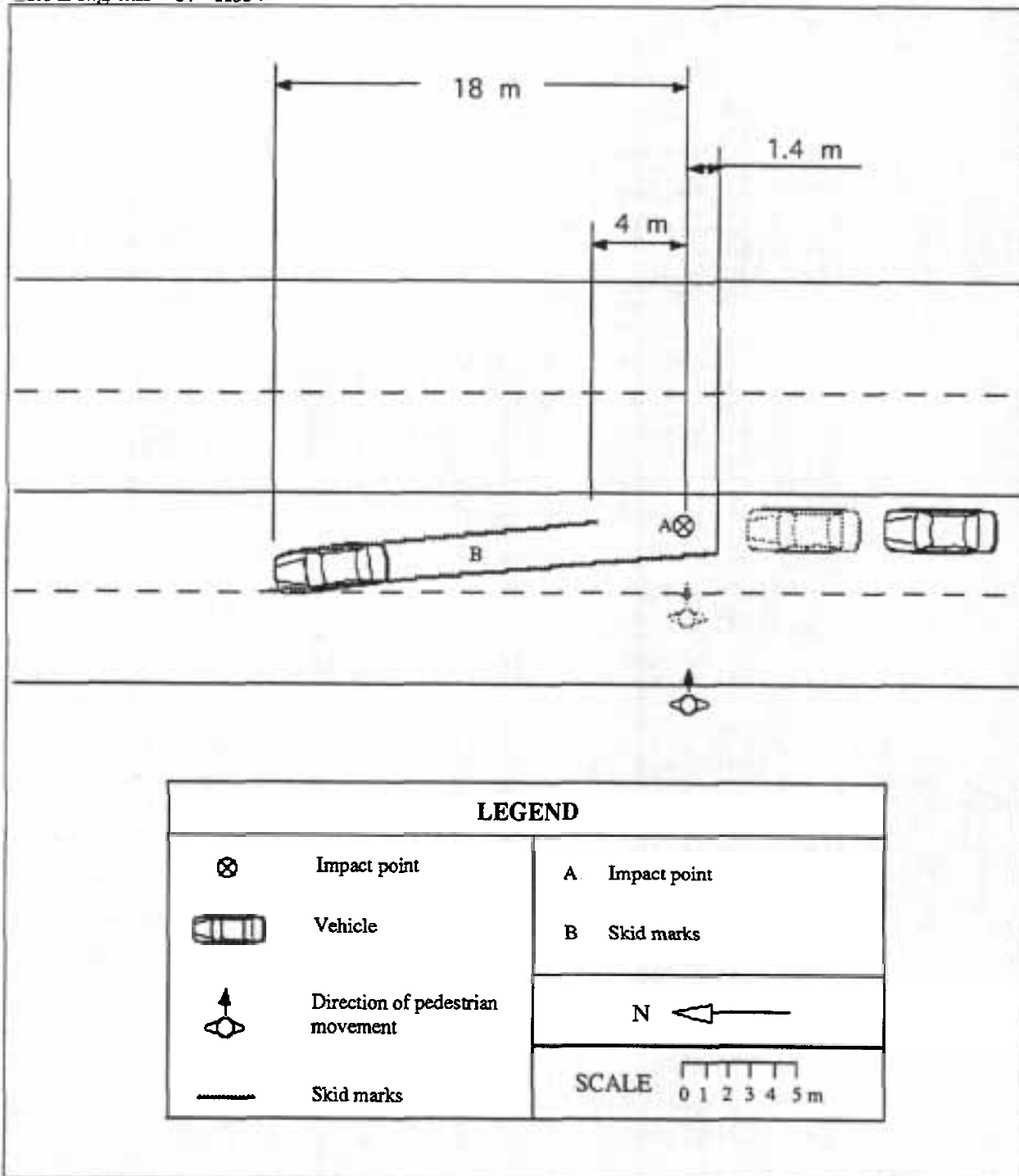
<i>Vehicle Model</i>	1980 Mitsubishi Sigma sedan	<i>Impact Point</i>	1
<i>Type</i>	Car		
<i>Number Involved</i>	1		
<i>Modifications</i>	None		



Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Unknown	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Centre line		

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	62	57	60	54
Impact Speed (km/hr)	48	37	44	26



Accident Description

Vehicle travelling approximately 67 km/hr in the right hand lane collided with the pedestrian (at point A) who was crossing the road in a easterly direction. The driver stated that he saw the pedestrian standing on the centre line, facing in an easterly direction. The pedestrian then stepped into the path of the vehicle.

Case Details

<i>Case Number</i>	87 - H035	<i>Calculation type</i>	2.1
<i>Date of Accident</i>	Monday, October	<i>Time</i>	9 am
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	76 km/hr	<i>Travel Speed Source</i>	Skid marks
<i>Impact Speed</i>	76 km/hr	<i>Impact Speed Source</i>	Skid marks

Pedestrian Details

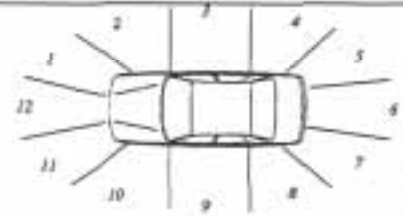
<i>Fatal</i>	Yes
<i>Age</i>	65
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	19
<i>Sex</i>	Male
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	3 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked after impact

Impact Vehicle Details

<i>Vehicle Model</i>	1979 Chrysler Sigma station wagon	<i>Impact Point</i>	1
<i>Type</i>	Car		
<i>Number Involved</i>	2		
<i>Modifications</i>	None		

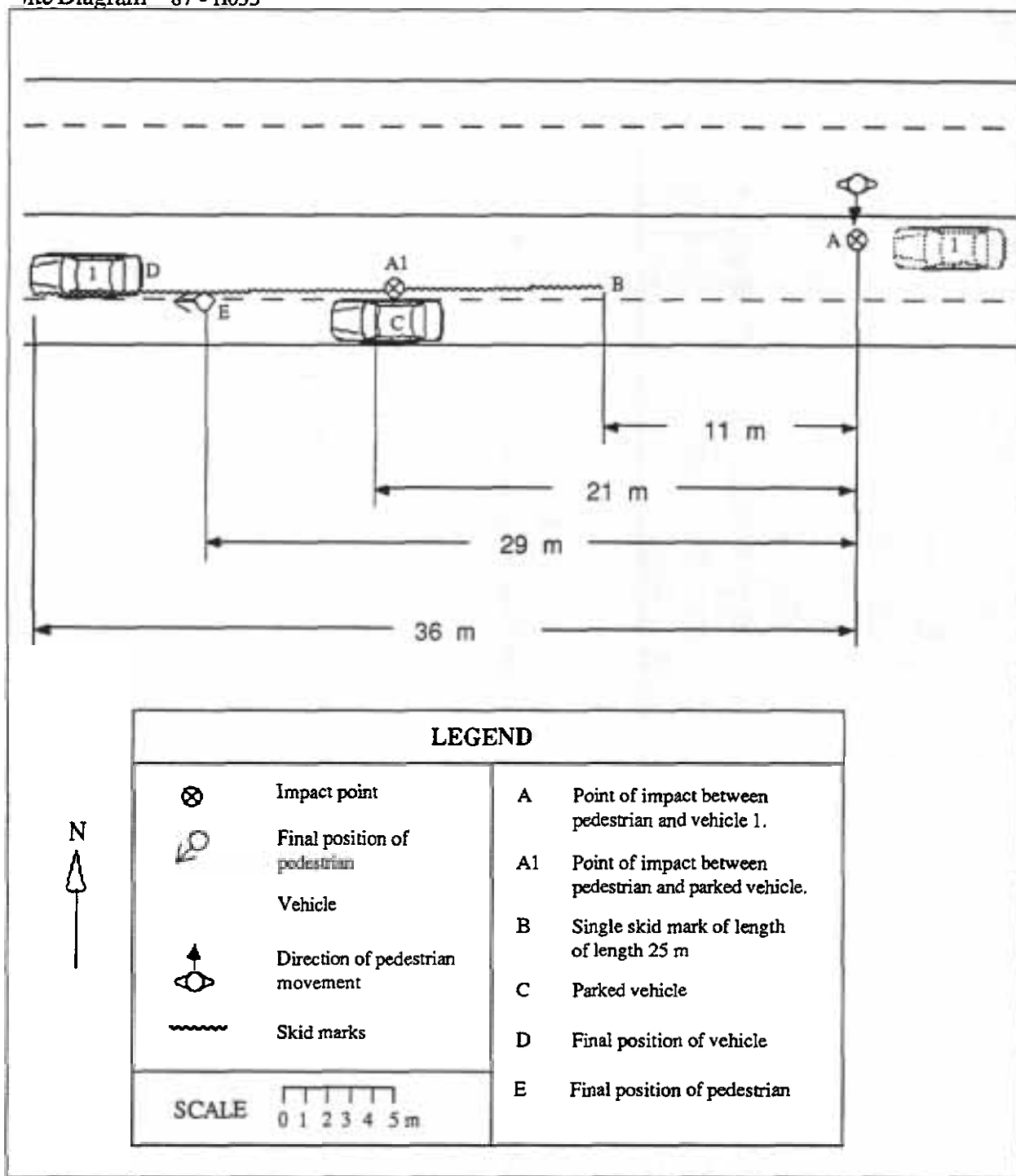


Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Local street
<i>Traffic Conditions</i>	Moderate		
<i>Weather Conditions</i>	Fine, dry road	<i>Road Alignment</i>	Straight
<i>Number of Lanes</i>	1	<i>Natural Lighting</i>	Day
<i>Road Division</i>	Centre line	<i>Street Lighting</i>	Not applicable

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	71	66	68	61
Impact Speed (km/hr)	71	66	68	61



Accident Description

A pedestrian was walking across road in a southerly direction and stopped on reaching the centre line. He then moved forward into the path of a vehicle travelling at about 76 km/hr in a westerly direction. The driver of the vehicle stated that he first saw the pedestrian on the centre line about 30 metres from the his vehicle and when he was about 3 metres away the pedestrian walked into his path. The driver stated that he had slowed down to 40 km/hr and did not brake prior to the collision. The pedestrian was struck by the front right of the car and rolled up onto the bonnet and smashed the windscreen. As the pedestrian rolled off the car he bounced off another vehicle parked on the southern side of the road.



<i>Fatal</i>	Yes
<i>Age</i>	64
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.288 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Right side to vehicle

<i>Age</i>	21
<i>Sex</i>	Female
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	6 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked after impact

Impact Vehicle Details

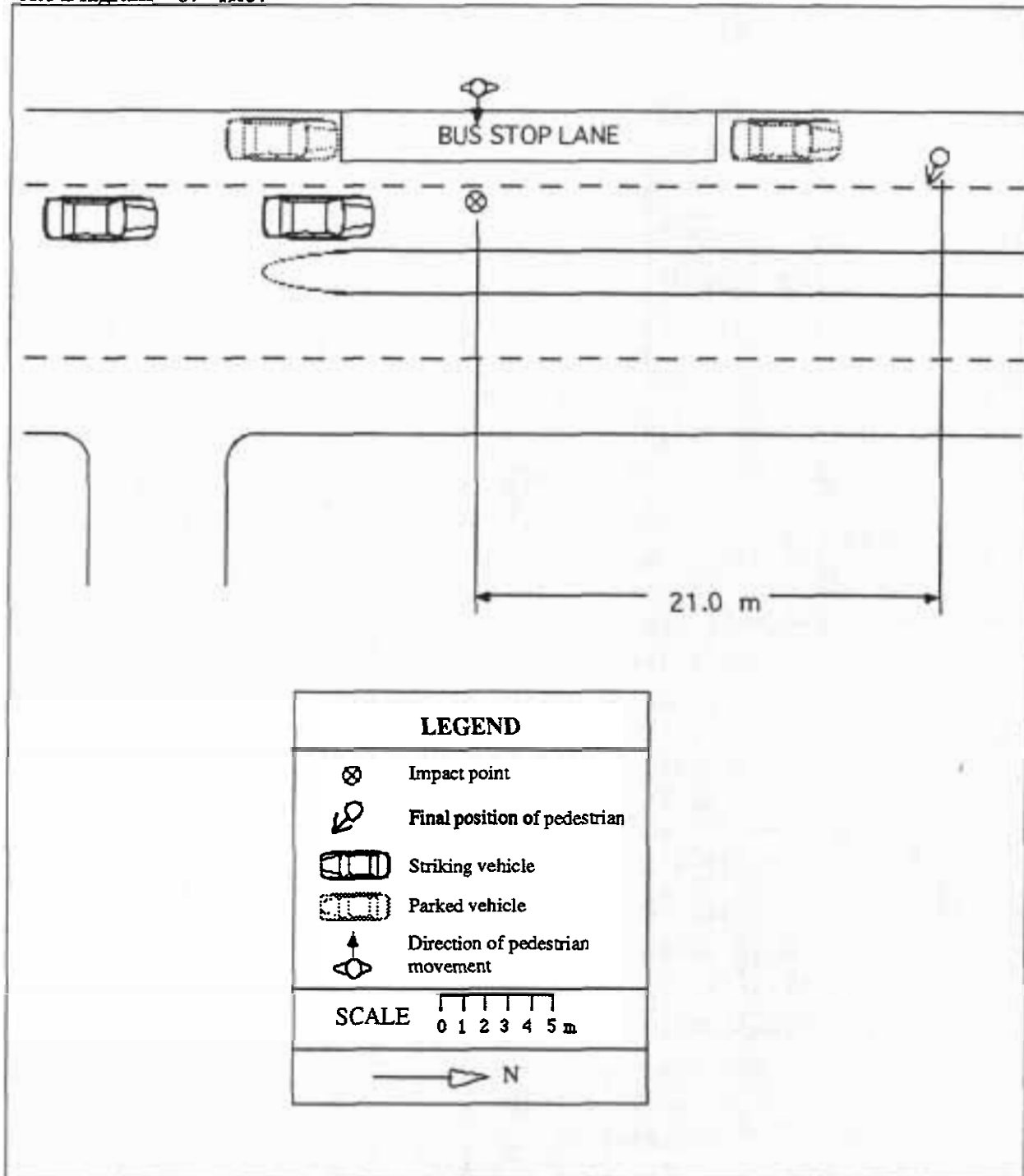
<i>Vehicle Model</i>	Chrysler Galant sedan	
<i>Type</i>	Car	
	<i>Impact Point</i> 11	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	2	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Painted median strip		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	50	45	50	44
Impact Speed (km/hr)	44	29	43	26



Accident Description

The car was travelling north in the lane closest to the painted median strip and collided with a pedestrian crossing the road from west to east. The driver stated that she was travelling about 55 km/hr and she first saw the pedestrian walking fast from west to east, from between parked vehicles. The driver estimated that the pedestrian stepped in front of her car approximately 9 metres away. She did not take any evasive action prior to impact but braked straight after impact. The pedestrian was hit on his right hand side by the left headlight and was thrown over the vehicle.

Case Details

<i>Case Number</i>	87 - H038	<i>Calculation type</i>	3.1
<i>Date of Accident</i>	Thursday, September	<i>Time</i>	6 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	50 km/hr	<i>Travel Speed Source</i>	Driver
<i>Impact Speed</i>	40 km/hr	<i>Impact Speed Source</i>	Projection distance

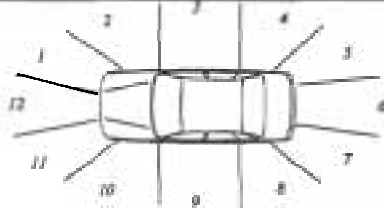
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	90
<i>Sex</i>	Male
<i>BAC Pedestrian</i>	0.09 %
<i>Action</i>	Running
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Left side to vehicle

Driver Details

<i>Age</i>	21
<i>Sex</i>	Female
<i>BAC Driver</i>	0 %
<i>Driving Experience</i>	3.5 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Braked before impact

Impact Vehicle Details

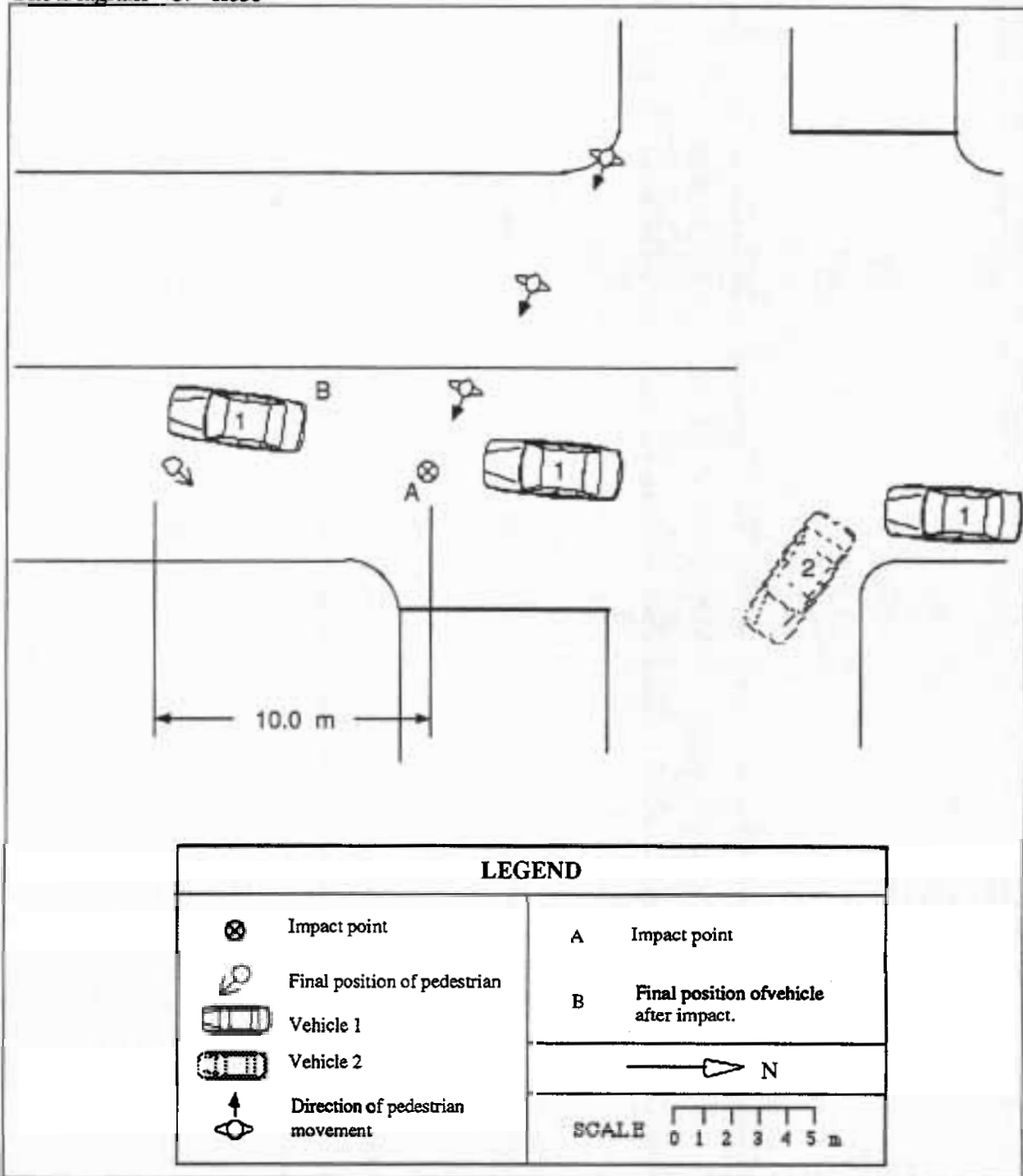
<i>Vehicle Model</i>	1985 Holden Gemini sedan	
<i>Type</i>	Car	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Other main traffic route
<i>Traffic Conditions</i>	Light	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	Street lights
<i>Road Division</i>	Centre line		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	45	40	45	40
Impact Speed (km/hr)	24	0	24	0



Accident Description

Vehicle 1 was travelling south and collided with a pedestrian (at point A) who was crossing the road at the southern side of the intersection from the southwest corner to the southeast corner. The driver stated that she was travelling at about 50 km/hr and was following another vehicle (Vehicle 2) which turned left at the intersection. She slowed and veered to her right to go around the turning vehicle and when she looked straight ahead again she saw the pedestrian. She took evasive action by braking and swerving right on seeing the pedestrian.

Case Details

<i>Case Number</i>	87 - H046	<i>Calculation type</i>	2.3
<i>Date of Accident</i>	Tuesday, October	<i>Time</i>	5 pm
<i>Speed Limit</i>	60 km/hr	<i>Number of Pedestrians Involved</i>	1
<i>Travel Speed</i>	64 km/hr	<i>Travel Speed Source</i>	Momentum Calculation
<i>Impact Speed</i>	64 km/hr	<i>Impact Speed Source</i>	Momentum calculation

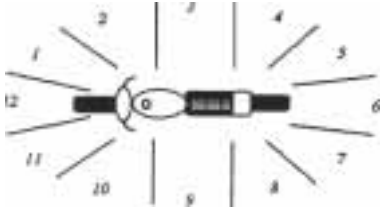
Pedestrian Details

<i>Fatal</i>	Yes
<i>Age</i>	80
<i>Sex</i>	Female
<i>BAC Pedestrian</i>	0 %
<i>Action</i>	Walking
<i>Movement</i>	Crossing the road
<i>Side Impacted</i>	Unknown

Driver Details

<i>Age</i>	28
<i>Sex</i>	Male
<i>BAC Driver</i>	0.065 %
<i>Driving Experience</i>	12 years
<i>Licence Type</i>	Full
<i>Driver Action</i>	Swerved, did not brake

Impact Vehicle Details

<i>Vehicle Model</i>	1979 Honda 500cc Trail bike	
<i>Type</i>	Motorcycle	
<i>Number Involved</i>	1	
<i>Modifications</i>	None	

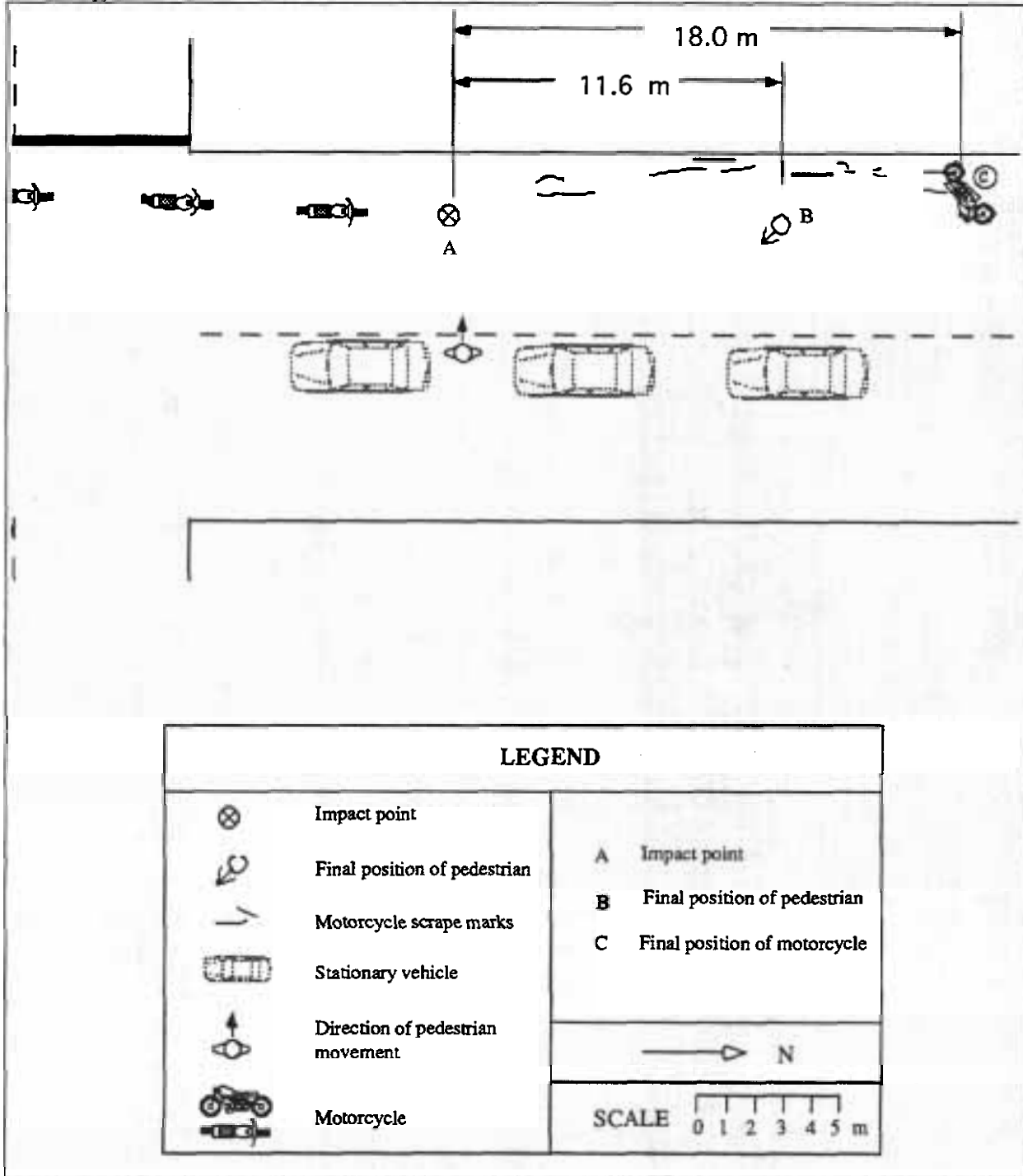
Road Site Details

<i>Traffic Control</i>	None	<i>Road Type</i>	Arterial
<i>Traffic Conditions</i>	Moderate	<i>Road Alignment</i>	Straight
<i>Weather Conditions</i>	Fine, dry road	<i>Natural Lighting</i>	Day
<i>Number of Lanes</i>	1	<i>Street Lighting</i>	Not applicable
<i>Road Division</i>	Centre line		

Reduced Travel Speed Analysis

	5 km/hr reduction	10 km/hr reduction	10% reduction	20% reduction
Travel Speed (km/hr)	59	54	58	51
Impact Speed (km/hr)	59	54	58	51

Site Diagram 87 - H046



Accident Description

The motorcycle was travelling in a northerly direction at about 64 km/hr. The pedestrian was crossing the road from east to west and had walked through stationary cars travelling south and stopped on the centre line. She waited there for some cars to pass then walked quickly across the western lane. The rider of the motorcycle did not see the pedestrian until just before the impact when he tried to avoid a collision by swerving to the left. This was to no avail and the collision occurred at point A. The pedestrian was struck on her left side by the centre front of the motorcycle and was thrown forward along the road coming to rest at point B. The rider and motorcycle slid along the road and stopped at point C.