

CRASH DATA RESEARCH CENTER

Calspan Corporation
Buffalo, NY 14225

**NOT-IN-TRAFFIC SURVEILLANCE
CALSPAN REMOTE BACK OVER FATALITY INVESTIGATION**

SCI CASE NO: CA07-036

**VEHICLE: 2002 CHEVROLET SUBURBAN
LOCATION: OHIO
CRASH DATE: JULY 2007**

Contract No. DTNH22-07-C-00043

Prepared for:

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The crash investigation process is an inexact science which requires that physical evidence such as skid marks, vehicular damage measurements, and occupant contact points are coupled with the investigator's expert knowledge and experience of vehicle dynamics and occupant kinematics in order to determine the pre-crash, crash, and post-crash movements of involved vehicles and occupants.

Because each crash is a unique sequence of events, generalized conclusions cannot be made concerning the crashworthiness performance of the involved vehicle(s) or their safety systems.

TECHNICAL REPORT STANDARD TITLE PAGE

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<p>16. <i>Abstract</i> This remote investigation focused on the circumstances, fatal injury sources, and rear visibility of a 2002 Chevrolet Suburban that was involved in a Not-In-Traffic back over incident with a 20 month old female (the driver's daughter). The incident occurred in a residential driveway in July 2007 during daylight hours. Immediately prior to the incident, the driver of the Chevrolet was in the process of backing the vehicle from its parked position in order to leave the property. Unknown to the driver, the 20 month old female non-motorist was behind the back plane of the vehicle. As the Chevrolet backed up in a counterclockwise arc, the rear bumper knocked the child to the pavement and the right rear tire ran over the non-motorist. As the right frontal area of the vehicle cleared the non-motorist, the driver recognized that the back over incident had occurred and stopped. The child sustained a police-reported head injury and was transported via helicopter to a pediatric trauma center. She was pronounced deceased at 75 minutes post-incident.</p>			
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BACKGROUND

This remote investigation focused on the circumstances, fatal injury sources, and rear visibility of a 2002 Chevrolet Suburban that was involved in a Not-In-Traffic back over incident with a 20 month old female (the driver's daughter). The incident occurred in a residential driveway in July 2007 during daylight hours. **Figure 1** is an on-scene police image of the vehicle at final rest.



Figure 1: Final rest position of the Chevrolet.

Immediately prior to the incident, the driver of the Chevrolet was in the process of backing the vehicle from its parked position in order to leave the property. Unknown to the driver, the 20 month old female non-motorist was behind the back plane of the vehicle. As the Chevrolet backed up in a counterclockwise arc, the rear bumper knocked the child to the pavement and the right rear tire ran over the non-motorist. As the right frontal area of the vehicle cleared the non-motorist, the driver recognized that the back over incident had occurred and stopped. The child sustained a police-reported head injury and was transported via helicopter to a pediatric trauma center. She was pronounced deceased at 75 minutes post-incident.

This crash was identified by the Crash Investigation Division of the National Highway Traffic Safety Administration (NHTSA) through an Internet news article posted on July 30, 2007. The NHTSA forwarded the article to the Calspan Special Crash Investigations (SCI) team for follow-up investigation. Calspan SCI established cooperation with the local police investigator and obtained the detailed Police Crash Report and copies of the on-scene photographs. The family declined participation in the SCI investigation prompting the assignment of a remote investigation. This remote investigation was assigned December 17, 2007 and was based on a review of the photographs, the police report and conversations with the police investigator. This incident was documented by the police on the Ohio Traffic Accident Report Form and reported to the State.

SUMMARY

Incident Site

This back over incident occurred during the daylight hours in July 2007. At the time of the incident, the weather was clear with a reported temperature of 25 degrees C (77 degrees F). The

incident took place on the concrete driveway of a private residence located in a rural area. **Figure 2** is an overhead image of the property. The residence was located at the end of driveway with an estimated length of 46 m (150 ft). Adjacent to the house and attached garage, the driveway flared and transitioned to a rectangular concrete parking area/turnaround. This concrete pad was an estimated 12 m (40 ft) in length and 7.9 m (26 ft) in depth. The 12 m (40 ft) dimension of the pad was oriented (approximately) in the north/south direction. There was a negative cross slope to the pad (west to east) estimated less than 2 percent. The pad appeared to be level in the north/south direction. The east side of the two-story residence consisted of two garage doors and an entry door. The entry door was located north of the garage doors. **Figure 3** is a police image of the residence looking northward. A non-contact vehicle was parked on the east side of the pad facing south. The Suburban was initially parked to the left (west) of the non-contact vehicle facing north. The exact parked position of the Suburban was not reported. A reconstruction of the incident indicated that at least the forward half of the Suburban had to be initially parked north of the concrete pad in the grass. A schematic of the incident site included at the end of this narrative report as **Figure 9**.



Figure 2: Overhead view of the incident site.



Figure 3: Northward view of the residence.

Vehicle Data

The 2002 Chevrolet Suburban was identified by the Vehicle Identification Number (VIN): 2GNFK16Z22J (production sequence deleted) and was manufactured in July 2001. **Figure 4** is a left side view of the vehicle. The four-wheel drive large utility vehicle was manufactured on a 330 cm (130 in) wheelbase and had a Gross Vehicle Weight Rating (GVWR) of 3,266 kg (7,200 lb). The power train consisted of a 5.3 liter/V8 engine linked to a four-speed automatic transmission with overdrive. The service brakes were a front/rear disc system with anti-lock. The



Figure 4: Left side view of the Suburban.

vehicle was not equipped with any type of rear view camera or parking aid system. The Chevrolet Suburban was configured for nine passenger seating (3/3/3). The front row consisted of two bucket seats with an adjustable center console. The center console was adjusted into a center seat position at the time of the incident. The second row consisted of a three passenger split bench (40/20/40). The third row was a forward folding three passenger bench. The six outboard positions were equipped with three-point lap and shoulder belts. The three center positions were equipped with lap belts. The six outboard seats were equipped with adjustable head restraints. An on-scene police image depicted that the front head restraints were adjusted approximately 3 cm (1 in) above the full down position. The head restraint positions for rows two and three were unknown. The side windows consisted of OEM AS2 glazing in row 1 and OEM AS3 tint glazing in rows 2 and 3. The windows were all closed at the time of the incident. There were no glazing obstructions. The tires were size P265/70R16 mounted on six-spoke alloy rims.

A review of the available photographs indicated there were no notable modifications to the Chevrolet; therefore an exemplar vehicle was used for documentation purposes. The table below lists the vehicle measurements and clearance heights taken during an inspection of an exemplar 2002 Chevrolet Suburban.

Component	Measurement from Ground
Beltline at the mid point of the right rear window	131 cm (51.5 in)
Base of the backlight	129 cm (50.8 in)
Top of the rear bumper	70 cm (27.8 in)
Bottom of the rear bumper	50 cm (19.5 in)
Undercarriage	
Bottom of the trailer hitch	37 cm (14.3 in)
Spare tire	34 cm (13.4 in)
Tailpipe	32 cm (12.3 in)
Axle tube	31 cm (12.2 in)
Sway bar	27 cm (10.5 in)
Sway bar bracket	24 cm (9.5 in)
Differential	21 cm (8.3 in)
Rear shock mount	20 cm (8 in)

Driver Data

The driver of the 2002 Chevrolet Suburban was a 40 year old male. The driver's height and weight data are unknown.

Non-Motorist Data

The struck pedestrian was the driver's 20 month old daughter. The height and weight data of the non-motorist are unknown. The clothing the child was wearing was not reported.

Incident

The 40 year old driver of the Chevrolet Suburban exited the house and placed two of his children in the vehicle. The police report indicated that the second row left position was occupied by a 10 year old female and a 4 year old female occupied the second row right position. Based on the

fact that the garage doors were down and the proximity of the entry door to the vehicle, it was believed the occupants exited the house through the entry door on the east side of the house. The driver entered the vehicle and prepared to back up and turn the Chevrolet around. Reportedly, the family was leaving the residence together for a gathering at an unknown location. The driver's wife and six other children were in the house at this time.

The driver shifted the vehicle into reverse, began to back-up and steered the Suburban in a counterclockwise arc. Unknown to the driver, the 20 month old non-motorist had exited the house through the entry door and was walking west to east behind the back plane of the vehicle. The reconstruction of the incident suggested that the child was in the blind zone behind the vehicle and not visible in the driver's center rear view mirror. The center to right aspect of the rear bumper struck and knocked the child to the pavement. As the Chevrolet continued its backing trajectory, the right rear tire of the vehicle ran over the child resulting in a severe head injury. The Suburban continued to back-up and as the right frontal aspect of the vehicle cleared the non-motorist, the driver saw the struck child and stopped. The distance the vehicle traveled from the incident to final rest measured approximately 6.4 m (21 ft). The driver exited the Chevrolet and told the children in the vehicle to enter the house. The driver picked up the non-motorist and carried her toward the house evidenced by the trail of body fluid. The driver laid the child back down on the ground outside the entry door. Refer to **Figure 6**.

The police and ambulance personnel responded to the scene. The non-motorist was transported via ground ambulance to a local hospital and immediately transferred by helicopter to a pediatric trauma center. She was pronounced deceased 75 minutes post-incident of a massive head injury.

RECONSTRUCTION

The police documented the incident site with photographs and measurements. There was no evidence of contact from the non-motorist observed on the back of the Suburban. The impact site/final rest position of the non-motorist was identified by body fluid and hair. Body fluid evidence was also observed on the right rear tire. The impact site was located approximately 3.1 m (10 ft) east of and in-line with the entry door. **Figures 5 and 6** are police images of the impact site and final rest of the vehicle.



Figure 5: Southward view of the impact site and final rest of the Chevrolet.



Figure 6: Westward view of the impact site.

Figures 7 and 8 are police images of the Suburban moved forward during the police investigation. The vehicle was moved over the impact site and the images depict its relationship to the Suburban's undercarriage. The Chevrolet could not have been initially parked at this location due to the relative location of the rear bumper, rear tire and impact site. The Suburban must have been initially parked further to the north, off of the concrete pad. The exact parked position of the Chevrolet could not be determined.



Figure 7: Left rear view of the Chevrolet and impact site.



Figure 8: Right rear view of the Suburban

REAR VISIBILITY

The nominal rear visibility of the 2002 Chevrolet Suburban was measured through the use of an exemplar vehicle and a substitute driver. The substitute driver had a measured height and weight of 179 cm (70 in) and 75 kg (165 lb). The seated eye height of the substitute driver measured 154 (60.5 in) above the ground. The centerline rear visibility of the Suburban was determined through the use of a 71 cm (28 in) tall reflector as a sight reference target. The target was moved rearward from the rear bumper until the target was first visible to the driver through the backlight. The target was first observed 5.7 m (18.6 ft) aft of the rear bumper. The target was then placed a ground level and moved rearward along the sight line through the backlight until it was observed. This sight distance measured 12 m (39.5 ft). A schematic of measurements is included at the end of this report as **Figure 10**.

Due to the remote level investigation of this incident and the use of an exemplar vehicle, the lateral visibility via the use of the outside mirrors was not measured. There was no information available regarding the adjusted position of the mirrors in the subject Chevrolet Suburban.

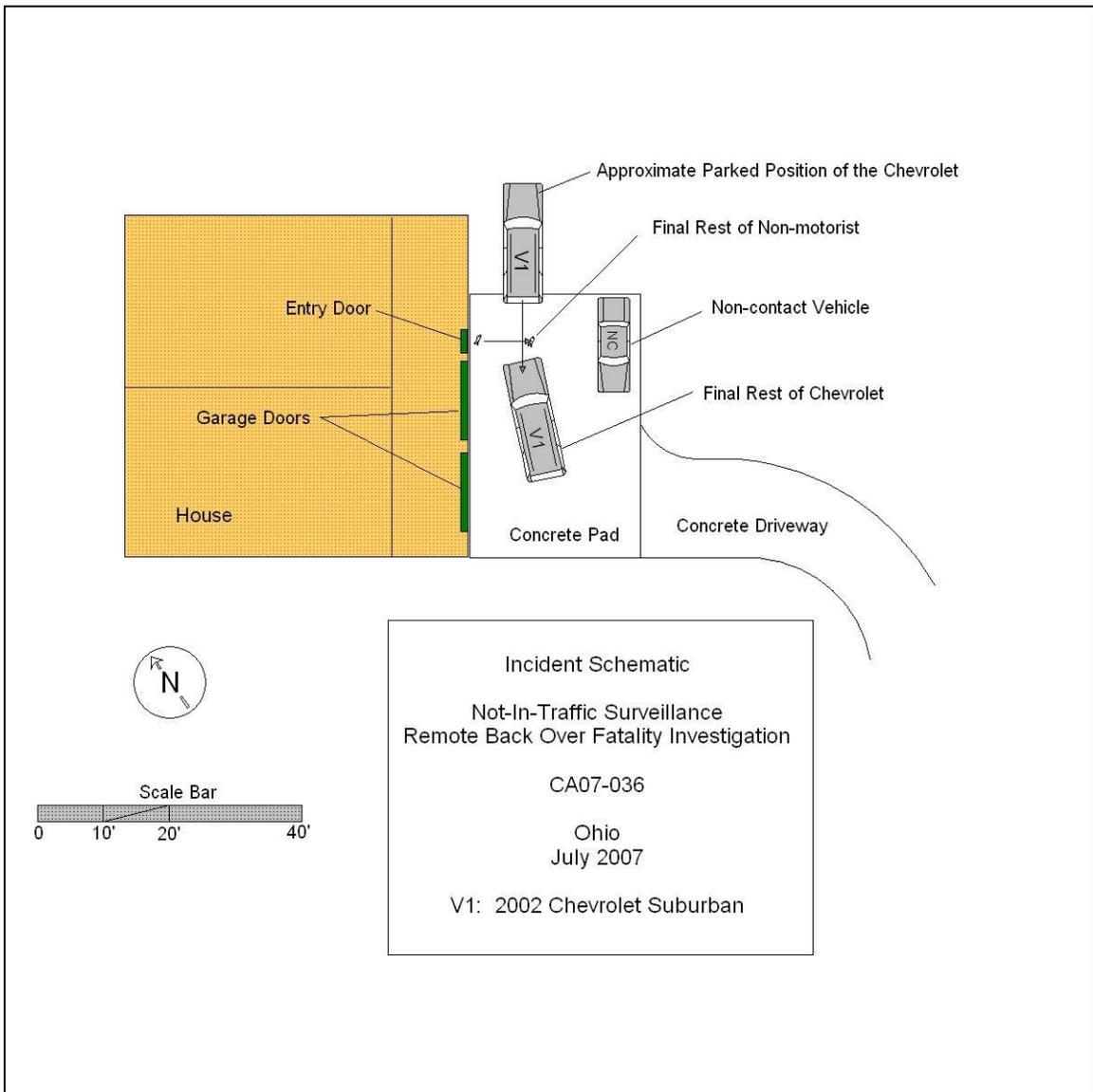


Figure 9: Incident Schematic.

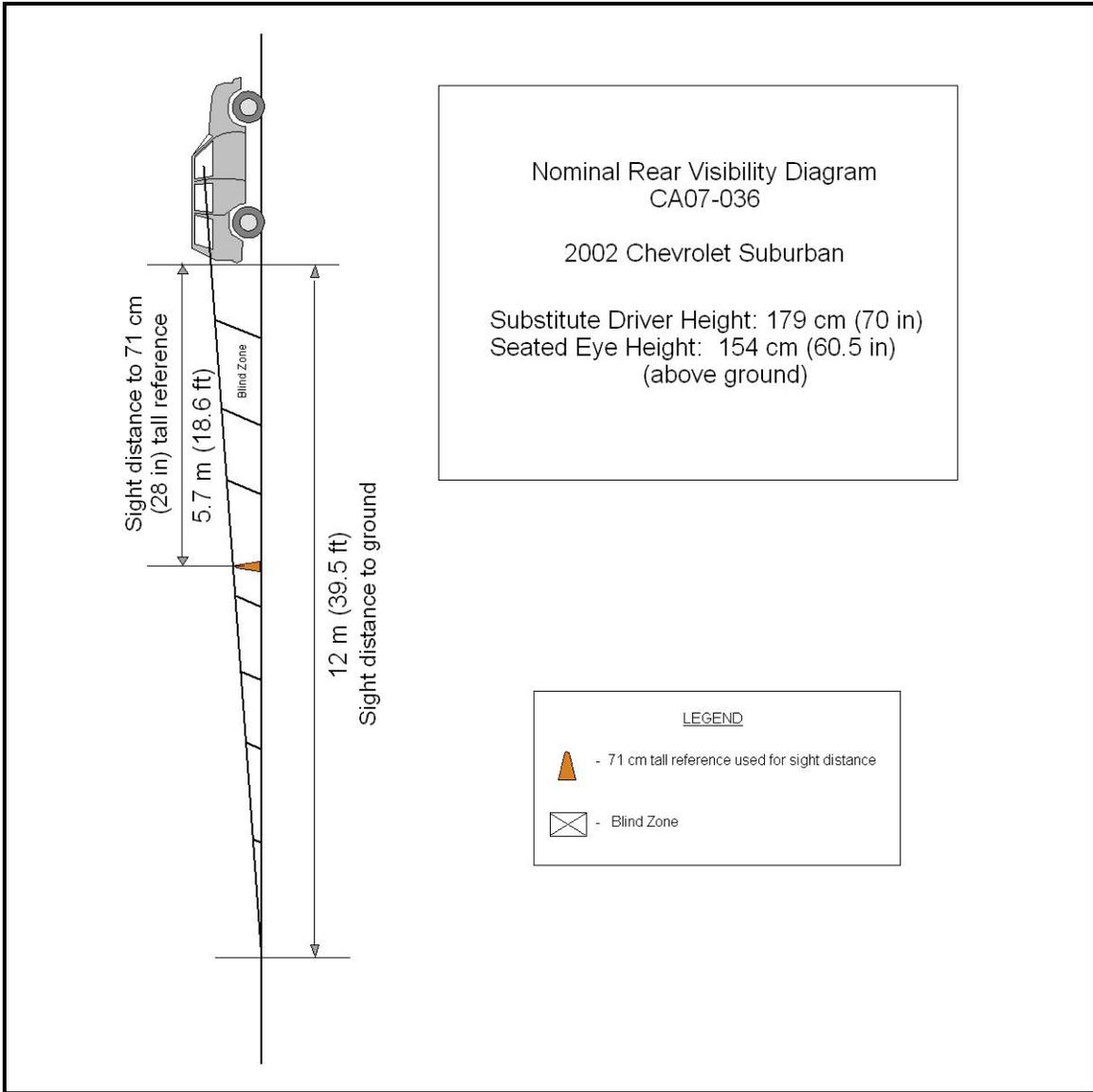


Figure 10: Nominal Visibility Diagram



1. Case Number

IDENTIFICATION

2. Date of Crash ____ / ____ / ____

3. Time of Crash _____

Code reported military time of crash.

NOTE: Midnight = 2400
Unknown = 9999

AMBIENT CONDITIONS

4. Light Conditions

- Daylight
- Dark
- Dark but lighted
- Dawn
- Dusk
- Unknown

5. Atmospheric Conditions
(Select all that apply)

- Clear-No adverse conditions
- Cloudy
- Rain
- Snow
- Fog, Smog, Smoke
- Sleet, Hail (freezing rain or drizzle)
- Blowing Snow
- Severe Crosswinds
- Blowing Sand, Soil, Dirt
- Other (specify):
- Unknown

6. Temperature

- Below 0 degrees Celsius (Below 32 F)
- 1-10 degrees Celsius (33-50 F)
- >10-24 degrees Celsius (51-75 F)
- Over 24 degrees Celsius (Over 75 F)
- Unknown

SCENE INFORMATION

7. Type of area in which crash occurred
(Select all that apply)

- Single family residential
- Row houses/townhouses
- Multi family housing
- Commercial
- Industrial
- Rural
- Unknown

8. Driver exterior sightline obstructions
(Select all that apply)

- None
- Other vehicles
- Building
- Trees
- Shrubby
- Other (specify) _____
- Utility poles
- Signs
- Glare
- Unknown
- No driver present

9. Crash location

- Driveway
- Parking Lot
- Sidewalk
- Alley
- Intersection of driveway and sidewalk
- Road / street
- Roadside / shoulder
- Other (specify) _____
- Unknown

10. Non motorist sightline obstructions
(Select all that apply)

- None
- Other vehicles
- Building
- Trees
- Shrubby
- Utility poles
- Signs
- Glare
- Other (specify) _____
- Unknown

11. Grade at parked position _____ +/- %

12. Estimated distance from parked position to impact

_____ m

13. Estimated speed at impact _____ +/- kmph

14. Grade at impact _____ +/- %

15. Estimated distance from impact to vehicle final rest

_____ m

Unknown = 999 Reference Items 11,12, 13, 14, 15



1. Case Number _____

VEHICLE IDENTIFICATION

2. VIN _____

3. Model Year _____

4. Vehicle Make (specify): _____

5. Vehicle Model (specify): _____

GLAZING

Location	Presence (check)	Status (select)	Clarity (select)	Tint (check)	Glazing Obstructions (specify if present)
Windshield		Fixed / Closed / Open / Partially Open / Unknown	Clear / Hazy / Very Dirty / Unknown		
LF		Fixed / Closed / Open / Partially Open / Unknown	Clear / Hazy / Very Dirty / Unknown		
RF		Fixed / Closed / Open / Partially Open / Unknown	Clear / Hazy / Very Dirty / Unknown		
2 nd Left		Fixed / Closed / Open / Partially Open / Unknown	Clear / Hazy / Very Dirty / Unknown		
2 nd Right		Fixed / Closed / Open / Partially Open / Unknown	Clear / Hazy / Very Dirty / Unknown		
3 rd Left		Fixed / Closed / Open / Partially Open / Unknown	Clear / Hazy / Very Dirty / Unknown		
3 rd Right		Fixed / Closed / Open / Partially Open / Unknown	Clear / Hazy / Very Dirty / Unknown		
Backlight		Fixed / Closed / Open / Partially Open / Unknown	Clear / Hazy / Very Dirty / Unknown		
Left Backlight		Fixed / Closed / Open / Partially Open / Unknown	Clear / Hazy / Very Dirty / Unknown		
Right Backlight		Fixed / Closed / Open / Partially Open / Unknown	Clear / Hazy / Very Dirty / Unknown		
Roof		Fixed / Closed / Open / Partially Open / Unknown	Clear / Hazy / Very Dirty / Unknown		
Other (specify)		Fixed / Closed / Open / Partially Open / Unknown	Clear / Hazy / Very Dirty / Unknown		

TIRE DATA

6. Vehicle Manufacturer Recommended Tire Size _____

7. LF Tire Size _____

9. RF Tire Size _____

8. LR Tire Size _____

10. RR Tire Size _____

Seats / Head Restraint Data

Seat Position	Seat Type (Select from below)	Head Restraint (Check if available)	Head Restraint Adjustment (select)	NOTES:
Front Left			Full Down / Mid / Full Up	
Front Middle			Full Down / Mid / Full Up	
Front Right			Full Down / Mid / Full Up	
2 nd Left			Full Down / Mid / Full Up	
2 nd Middle			Full Down / Mid / Full Up	
2 nd Right			Full Down / Mid / Full Up	
3 rd Left			Full Down / Mid / Full Up	
3 rd Middle			Full Down / Mid / Full Up	
3 rd Right			Full Down / Mid / Full Up	

Seat Type codes:

- | | |
|---|--------------------------------------|
| 0 = No seat or seat folded down | 8 = Pedestal (i.e. column supported) |
| 1 = Bucket | 9 = Box mounted (i.e. van type) |
| 2 = Bucket w/ folding back | 10= Other seat type (specify) |
| 3 = Bench | 99= Unknown seat type |
| 4 = Bench with folding back cushions | |
| 5 = Bench w/ folding back | |
| 6 = Split bench w/ separate back cushions | |
| 7 = Split bench w/ separate folding back | |

VEHICLE MEASUREMENTS

Clearance Heights	Measurements (all from ground, and in centimeters)	NOTES
Beltline		
Top of trunk/tailgate		
Bottom of bumper		
Trailer hitch (if applicable)		
Undercarriage		
Sway bar		
Axle		
Differential		
Other (specify):		
Sensor Height (if equipped)		
Camera Height (if equipped)		



1. Case Number

PARKING AID PRESENCE

2. Type of backing/parking aid present

- OEM camera
- OEM ultrasonic/radar sensor
- OEM combination camera-ultrasonic/radar sensor
- OEM Fresnel lens
- OEM interior mirrors
- Aftermarket camera
- Aftermarket ultrasonic/radar sensor
- Aftermarket combination camera-ultrasonic radar sensor
- Aftermarket Fresnel lens
- Aftermarket interior mirrors
- Other (specify): _____

CAMERA INFORMATION

Specify field of view measurements on diagram

3. System make/model

4. Video monitor type

- None present
- LCD (color)
- CRT (black & white)
- Unknown

5. Video display size _____ cm
(Diagonal)

6. Camera location

- None present
- Bumper
- License plate
- Tailgate/Hatch/Trunk
- Other (specify): _____

7. Video image quality under scene lighting conditions

- None present
- Good
- Average
- Poor (specify): _____
- Unknown

8. Was the camera functioning properly

- None present
- Yes
- No, poor image quality due to glare
- No, poor image quality due to atmospheric conditions
- No, camera turned off
- No, camera inoperable
- Unknown

ULTRASONIC/RADAR SENSOR

Specify object detection range on diagram

9. System make/model

10. Auditory warning illumination

- No sensor present
- Yes
- No
- Unknown

11. Number of sensors _____

12. Sensor locations
(Select all that apply)

- No sensor present
- Left bumper
- Center bumper
- Right bumper
- License plate area
- Tailgate/Hatch/Trunk

13. Was warning system functioning properly

- No sensor present
- Yes, system alerted driver
- No, system did not alert driver
- No, system turned off
- No, system inoperable
- Unknown

14. Did driver react to warning

- No sensor present
- Yes
- No
- Unknown

15. Did driver report common false warnings

- No sensor present
- Yes
- No
- Unknown



DRIVER FORM

1. Case Number

DRIVER PROFILE

2. Driver's Age

99 = Unknown

3. Driver's Sex

- Male
- Female
- Unknown

4. Driver's Height

999 = Unknown

_____ cm

5. Driver's Weight

999 = Unknown

_____ kg

6. Driver eyewear worn

(Select all that apply)

- None
- Eyeglasses
- Sunglasses
- Contacts
- Unknown

7. Driver vision deficiency condition

(Select all that apply)

- None
- Near sighted
- Far sighted
- Astigmatism
- Other (specify): _____
- Unknown

8. Non motorist's relationship to driver

- No relationship
- Child
- Grandchild
- Sibling
- Neighbor
- Friend
- Other (specify): _____
- Unknown

DRIVER ACTIONS

9. Driver approach to vehicle for entry

- From left front
- From left
- From left rear
- From right rear
- From right front
- Circled vehicle
- Return trip (backing into driveway/lot)
- Other (specify): _____
- N/A
- Unknown

10. Driver entry interruption
(Select all that apply)

- Direct trip from building to vehicle
- Loaded items into vehicle
- Spoke with family
- Spoke with neighbors
- Spoke with contacted nonmotorist
- Return trip (backing into driveway/lot)
- Other (specify): _____
- N/A
- Unknown

11. Purpose of backing

- Leaving parking space in parking lot
- Backing onto roadway from driveway
- Entering parking space in parking lot
- Backing into driveway from roadway
- Other (specify): _____
- N/A
- Unknown

12. Where was driver going

Description:

13. Driver in a hurry

- Yes N/A
- No Unknown
- Unknown

14. How did driver check behind (rear area of vehicle) after vehicle entry

(Select all that apply)

- Did not look
- Checked mirrors
- Turned right and looked back
- Turned left and looked back
- Viewed Camera
- Listened for auditory/visual warning from system
- Other (specify): _____
- N/A Unknown

15. Estimated time between vehicle entry and start of backing

- 0-10 Seconds Over 60 Seconds
- 11-30 Seconds N/A
- 31-60 Seconds Unknown

16. What direction was the driver looking during backing maneuver
(Select all that apply)
- Straight ahead
 - Right
 - Left
 - Rearward
 - At object inside the car
 - At mirrors
 - Other (specify): _____
 - N/A
 - Unknown
17. Was the driver distracted during back up maneuver
(Select all that apply)
- No non-driving activities
 - External**
 - Looking at other vehicles
 - Looking at other non motorist
 - Looking at intended turn destination
 - External focus, not specified
 - Other external focus (specify): _____
 - Internal**
 - Looking at other occupant
 - Talking to passenger
 - Dialing phone
 - Talking on phone
 - Listening to radio/cd/portable playback device
 - Adjusting radio/cd player
 - Adjusting climate controls
 - Using a device/controls integral to vehicle (specify): _____
 - Reading/adjusting navigation system
 - Eating or drinking
 - Smoking related
 - Retrieving fallen object (specify): _____
 - Internal focus, not specified
 - Focused on other internal object (specify): _____
 - N/A
 - Unknown
18. Driver avoidance actions prior to impact
(Select all that apply)
- None
 - Braking
 - Steering left
 - Steering right
 - Accelerating
 - Other (specify): _____
 - N/A
 - Unknown
19. Did driver see struck non motorist prior to impact
(Select all that apply)
- No, never saw non motorist
 - Saw non motorist prior to entering vehicle
 - Saw non motorist after entering vehicle
 - Other (specify): _____
 - N/A
 - Unknown
20. Est time between start of backing and impact
- <2 or = 1 second
 - 2-5 seconds
 - 6-10 seconds
 - > 10 seconds
 - N/A
 - Unknown
21. Driver interior sightline obstructions
(Select all that apply)
- Pillar
 - Headrest
 - Cargo
 - Other occupant
 - Other (specify) _____
 - Unknown
 - None
22. Recent experience driving this vehicle
- More than 10 times the last three months
 - 6-10 times the last three months
 - 2-5 times the last three months
 - Less than 2 times the last three months
 - First time driving this vehicle
 - N/A
 - Unknown
23. Frequency of driving in this parking lot/driveway
- Daily
 - Weekly
 - Several times a month
 - Monthly
 - Rarely
 - First time in lot/driveway
 - N/A
 - Unknown
24. Driver Impairment
(Select all that apply)
- No drugs or alcohol present
 - Alcohol present (specify BAC): _____
 - Drugs present (specify): _____
 - Unknown
25. Source of alcohol/drug results
- Police reported
 - Medical record
 - Other (specify) _____
 - Not Tested
 - Unknown if tested



Non Motorist Form

1. Case Number

NON-MOTORIST PROFILE

2. Non-motorist's Age _____ Months
_____ Years
99 = Unknown

3. Non-motorist's Sex
 Male
 Female
 Unknown

4. Non-motorist's Height _____ cm
999 = Unknown

5. Non-motorist's Weight _____ kg
999 = Unknown

6. Medical outcome
 Not injured
 ER only
 Hospitalized 1-4 days
 Hospitalized 5 days or more
 Treatment later
 Fatal
 Unknown

7. Source of most severe injury
 Bumper
 Tire
 Undercarriage
 Other Specify: _____
 Ground
 N/A
 Unknown

8. Non-motorist impairment
(Select all that apply)
 No drugs or alcohol present
 Positive for alcohol (specify BAC): _____
 Positive for drugs (specify): _____
 Unknown

9. Source of alcohol/drug results
 Police reported
 Medical Report
 Other (specify) _____
 Not Tested
 Unknown if tested

NON-MOTORIST ACTIONS

10. Non-motorist attitude
 Standing
 Bending at waist
 Sitting
 Crouching
 Kneeling
 On skates/skateboard
 On bike/scooter
 Other (specify) _____
 Unknown

11. Non-motorist motion
 Not moving
 Walking slowly
 Walking rapidly
 Running or jogging
 Skipping/Hopping/Jumping
 Falling/Stumbling/Rising
 On skates/skateboard
 On bike/scooter
 Other (specify): _____
 Unknown

12. Non-motorist approach relative to rear of vehicle
 Stationary
 From left
 From right
 From behind
 Other (specify): _____
 Unknown

13. Non-motorist first avoidance action
 No avoidance actions
 Stopped
 Accelerated pace
 Ran away (along vehicle path)
 Jumped
 Turned away from vehicle
 Turned toward vehicle and braced
 Dove or fell away from vehicle
 Other (specify): _____
 Unknown

14. Non-motorist primary focus of attention
 Striking vehicle
 Play object
 Person
 Surrounding traffic
 Animal
 Handheld electronic (phone, MP3 player, etc.)
 Other Object (specify) _____
 Unknown

15. Were any other Non-motorists present?
(Select all that apply)
 Alone
 One adult present
 One other child present
 Multiple adults present
 Multiple children present
 Unknown

NON MOTORIST CLOTHING

NOTES:

- Specify Color, Fabric and Texture/Weight for outermost layer only
- Indicate "NONE" if applicable
- Available codes:

	<u>Colors</u>		<u>Fabrics</u>		<u>Textures</u>		<u>Weights</u>
Black	Charcoal gray		Natural		Soft		Heavy
Lt gray/silver	Brown		Synthetic		Slick		Medium
Gold/tan	Purple		Blend		Coarse		Light
Dark blue	Light blue						
Dark green	Light green						
Maroon	Red						
Orange	Yellow						
White	Other (specify)						

	Clothing	Color	Fabric	Texture	Weight
H E A D W E A R	Hat				
	Helmet				
	Hood				
	Other (specify): _____				
U P P E R B O D Y	Short Sleeve				
	Long Sleeve				
	Light Jacket				
	Heavy Jacket				
	Other (Specify): _____				
L O W E R B O D Y	Shorts				
	Pants				
	Shoes				
	Other (specify): _____				