Remote Not In Traffic Surveillance Trunk Entrapment Investigation
Dynamic Science, Inc. (DSI), Case Number (DS07039)
1999 Oldsmobile Intrigue
South Dakota
July 2007

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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 be 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 Documentation Page

1. Report No.	2. Government Accession No.	3. Recipient Catalog No.
DS07039		

4. Title and Subtitle	5. Report Date
Remote Not In Traffic Surveillance Trunk Entrapment Investigation	April 1, 2008
	6. Performing Organization Report No.

7. Author(s)	8. Performing Organization Report No.
Dynamic Science, Inc.	

9. Performing Organization name and Address	10. Work Unit No. (TRAIS)
Dynamic Science, Inc. 299 West Cerritos Avenue Anaheim, CA 92805	11. Contract or Grant no. DTNH22-07-C-00045

12. Sponsoring Agency Name and Address	13. Type of report and period Covered [Report Month, Year]
U.S. Dept. of Transportation National Highway Traffic Safety Administration 1200 New Jersey Ave, SE Washington, DC 20590	14. Sponsoring Agency Code

15. Supplemental Notes

16. Abstract

This remote investigation focused on the circumstances surrounding the death of a 5-year-old male who was found locked in the trunk of 1999 Oldsmobile Intrigue. The incident occurred between 1200 and 1500 hours. The Oldsmobile had been parked on the street in front of the vehicle owner's residence. The child's mother located the child in the trunk at approximately 1500 hours. He was sweating heavily and was not moving. The child was removed from the trunk and taken inside. CPR was administered. The child was transported from the scene and arrived at the hospital with no electrical activity and a body temperature of 42 degrees C (108 degrees F). The child died shortly after his arrival. There was initially some concern that this incident may not have been accidental. The police later determined that the death was accidental. This fatality was not reported as a traffic related death by the involved police jurisdiction.

17. Key Words	18. Distribution Statement
Not in Traffic Surveillance (NITS), non-motorist, trunk entrapment, fatality, parked vehicle	

19. Security Classif. (of this report)	20. Security Classif. (of this page)	21. No of pages	22. Price

Dynamic Science, Inc.
Crash Investigation
Case Number: DS07039

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BACKGROUND

This remote investigation focused on the circumstances surrounding the death of a 5-year-old male who was found locked in the trunk of 1999 Oldsmobile Intrigue (see Figure 1). The incident occurred between 1200 and 1500 hours. The Oldsmobile had been parked on the street in front of the vehicle owner's residence. The child's mother located the child in the trunk at approximately 1500 hours. He was sweating heavily and was not moving. The child was removed from the trunk and taken inside. CPR was administered. The child was transported from the scene and arrived at the hospital with no electrical activity and a body temperature of 42 degrees C (108 degrees F). The child died shortly after his arrival.

This remote Not In Traffic Surveillance (NITS) trunk entrapment investigation was initiated in response to an on-line news article reporting the death of a 5-year-old male child found in the trunk of a vehicle. DSI was notified of the article on August 16, 2007. There was initially some concern that this incident may not have been accidental. On September 6, 2007 the child's mother was cleared of any possible charges. The police determined that the death was accidental. On October 16, 2007 DSI obtained a copy of the suspicious death incident report. This fatality was not reported as a traffic related death. DSI was assigned the case on October 17, 2007. The on-scene photographs were requested at that time and were received on February 26, 2008.

SUMMARY

Vehicle Data

Figure 1. On scene view of Oldsmobile Intrigue

The 1999 Oldsmobile Intrigue was identified by the Vehicle Identification Number (VIN): 1G3WH52H2XFxxxxxx. The four-door, front wheel drive sedan was powered by a 3.5 liter, V6 engine linked to an automatic transmission. The brakes were a four-wheel disc system with ABS. The exterior color of the vehicle was black. The vehicle was designed to carry five occupants and was equipped with three-point lap manual and shoulder belts for the outboard positions and a lap belt for the second row center seat position. There were bucket seats in the front and a bench seat in the rear. The vehicle was equipped with an electric remote trunk/hatch release. According to the police report, the trunk can be opened using the trunk release (see Figure 2) or by pressing the door lock release twice. The trunk lid was hinged at the forward aspect and was supported in the open position by piston-configured trunk struts on either side of the trunk (see Figure 3). According to investigating officers, the trunk would close and lock with a minimum of downward pressure. In experimenting with the trunk lid, the officer found that if the lid was positioned at the nearly open position, shaking or

bumping the vehicle would cause the lid to return to the fully opened position. He also found that if the lid was positioned below that level, shaking or bumping the vehicle would cause the trunk struts to compress downward. When the struts reached a point of 3.8 cm (1.5 in) on the rods, the struts would no longer hold the weight of the trunk lid and the lid would drop and close. The trunk lid would not close violently, but would drop with sufficient speed that it would latch every time. The vehicle was not equipped with an internal trunk release[1]. The family had been fishing the day before and there was fishing gear still in the trunk. The gear included a tackle box, a container of oil, two fishing reels, an oil jug, a bag of wood, two buckets, and a fishing net (see Figure 4).

Figure 2. Trunk release button

Figure 3. Trunk struts

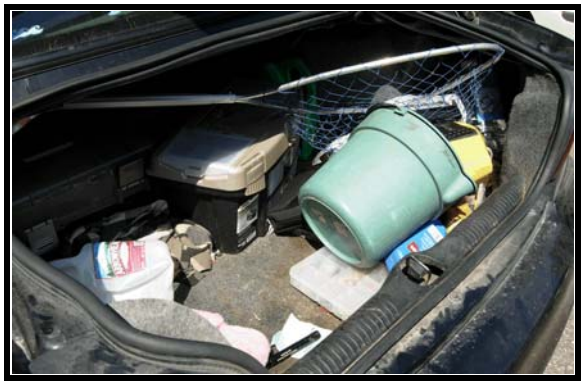

Figure 4. Trunk contents

Figure 5. Interior view of subject vehicle

[1]According to on-line GM sources, beginning in 2001, all GM passenger cars were equipped with interior trunk release handles as standard equipment.

Incident Site

This incident occurred on a public road between 1200 and 1500 hours in July 2007. The black 1999 Oldsmobile Intrigue was parked in front of the driver's trailer home facing north (see Figure 5). The vehicle was parked in direct sunlight and there were no overhanging trees or structures to provide any shade. According to the nearest weather reporting station, the sky was clear and temperature ranged from 26.7 degrees C (80 degrees F) at 1153 hours to 27.8 degrees C (82 degrees F) at 1453 hours. The relative humidity was 13% and there were winds gusting between 29-34 km/h (18-21 mph).

Figure 6. Location of vehicle relative to residence

Figure 7. Right front oblique view of Buick at the incident site

Incident

The involved child was 5-years-old. He was wearing long blue jeans and a red tee shirt. The case vehicle was a black 1999 Oldsmobile Intrigue four-door sedan that belongs to the child's mother. The vehicle was parked in front of the driver's home facing north (see Figure 6-7).

The child was outside playing. Several witnesses recall him playing on and near the Oldsmobile Intrigue. One witness stated that she saw the child at approximately 1200 hours; he was sitting on the edge of the opened trunk with his feet on the bumper. According to the child's mother, the child sometimes played around the vehicle. He knew how to open the trunk and had been in the trunk before.

The child's mother indicated that the child had last checked in with her at approximately 1300 hours. At approximately 1500 hours, the child's mother went outside to look for the child. She was looking around the yard when she noticed that the driver's door of the Intrigue was partially open. She indicated that she knew that she left the doors unlocked the previous night and went to the vehicle to shut the door. At this time she noticed that the trunk was ajar. She attempted to shut it, but it would not close. She thought something was in the way. She then opened the trunk and saw the child inside. He was sweating heavily and was not moving. She indicated that his position in the trunk was as if he had crawled in and went to sleep.

She removed the child from the vehicle. At some point, the child's mother was joined by a female neighbor. The mother stated that the child was burning up and that she was going to run cold water over him. She placed the child in the tub. The neighbor told her to not run the water over the child. The mother climbed in the tub and began administering CPR. After a few moments, she removed the child from the tub, took him to the living room, and resumed CPR. The neighbor went outside to wait for help.

The first responding police officer was dispatched at 1519 hours. The child's mother had called 911 at some point after taking the child into the home. The first responding police officer entered the home shortly after his arrival. He took over the CPR effort. He noted that after each breath, the child made a gurgling sound. He also noted that the child's skin was warm to the touch and that his eyes were partly open with the pupils dilated. After a short period of time, paramedics arrived. The child was placed on a stretcher and taken to the ambulance. The child arrived at the hospital with no electrical activity and a body temperature of 42 degrees C (108 degrees F). Hyperthermia is defined as the elevation of core body temperature to above 37.2 degrees C (99 degree F). The child died shortly after his arrival. The only available pathologist was from out of town. The body was placed in cold storage. The autopsy took place three days later.

Child Occupant Data

The 5-year-old male child had a reported height of 112 cm (44 in) and a weight of 25 kg (56 lbs). An autopsy conducted by a forensic pathologist indicated that the cause of death was found to be compatible with hyperthermia. The final anatomic diagnosis was generalized visceral congestion with severe cerebral edema. The edema was not coded due to its non traumatic cause. An external examination revealed a number of minor injuries, including the following: a left thumb abrasion, a left small finger abrasion, a right small finger abrasion, a contusion to the left mid back, an abrasion to the right buttock, abrasion to the mid forehead, an abrasion near the left ear, and a contusion above the right eyebrow. It is believed that these occurred while the child was in the trunk. These were not coded because of their non trauma nature. The hyperthermia was evidenced by the following:

Injury	OIC Code	Injury Mechanism	Confidence Level
Petechial hemorrhages over pleural surfaces of both lungs	441410.4,3	Hyperthermia	Certain
Hemorrhage, posterior esophagael area	440899.2,4	Hyperthermia	Certain

Attachment 1. Field Data Forms

Not Applicable ☐

Reset Values | Print Forms

U.S. Department of Transportation
National Highway Traffic Safety Administration

SCENE FORM

Special Crash Investigations
Not In Traffic Surveillance

1. Case Number

D S 0 7 0 3 9

IDENTIFICATION

2. Date of Crash 0 7 / X X / 0 7

3. Time of Crash 1 5 0 0

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
- ☐ Shrubbery
- ☐ Other (specify)_____
- ☐ Utility poles
- ☐ Signs
- ☐ Glare
- ☐ Unknown
- ☉ No driver present

9. Crash location

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

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

- ☉ None
- ☐ Other vehicles
- ☐ Building
- ☐ Trees
- ☐ Shrubbery
- ☐ Utility poles
- ☐ Signs
- ☐ Glare
- ☐ Other (specify) _____
- ☐ Unknown

11. Grade at parked position + / - 0 0 0 %

12. Estimated distance from parked position to impact

0 0 0 . 0 m

13. Estimated speed at impact 0 0 0 kmph

14. Grade at impact +/ - 0 0 0 %

15. Estimated distance from impact to vehicle final rest

0 0 0 . 0 m

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

Not Applicable ☐

Reset Values

U.S. Department of Transportation
National Highway Traffic Safety Administration

VEHICLE FORM

Special Crash Investigations
Not In Traffic Surveillance

1. Case Number D S 0 7 0 3 9

VEHICLE IDENTIFICATION

2. VIN 1 G 3 W H 5 2 H 2 X F X X X X X X

3. Model Year 1 9 9 9

4. Vehicle Make (specify): OLDSMOBILE INTRIGUE

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	☐	
2nd Left	☑	☐ Fixed / ☑ Closed / ☐ Open / ☐ Partially Open / ☐ Unknown	☑ Clear / ☐ Hazy / ☐ Very Dirty / ☐ Unknown	☐	
2nd Right	☑	☐ Fixed / ☑ Closed / ☐ Open / ☐ Partially Open / ☐ Unknown	☑ Clear / ☐ Hazy / ☐ Very Dirty / ☐ Unknown	☐	
3rd Left	☑	☑ Fixed / ☐ Closed / ☐ Open / ☐ Partially Open / ☐ Unknown	☑ Clear / ☐ Hazy / ☐ Very Dirty / ☐ Unknown	☐	
3rd 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 Unknown

7. LF Tire Size Unknown

8. LR Tire Size Unknown

9. RF Tire Size Unknown

10. RR Tire Size Unknown

Seats / Head Restraint Data

Seat Position	Seat Type (Select from below)	Head Restraint (Check if available)	Head Restraint Adjustment (select)	NOTES:
Front Left	1	☑	☐ ☐ ☐ Full Down / Mid / Full Up	Adjustable for front seat, unknown position.
Front Middle	0	☐	☐ ☐ ☐ Full Down / Mid / Full Up	
Front Right	1	☑	☐ ☐ ☐ Full Down / Mid / Full Up	
2nd Left	99	☐	☐ ☐ ☐ Full Down / Mid / Full Up	
2nd Middle	99	☐	☐ ☐ ☐ Full Down / Mid / Full Up	
2nd Right	99	☐	☐ ☐ ☐ Full Down / Mid / Full Up	
3rd Left	0	☐	☐ ☐ ☐ Full Down / Mid / Full Up	
3rd Middle	0	☐	☐ ☐ ☐ Full Down / Mid / Full Up	
3rd Right	0	☐	☐ ☐ ☐ Full Down / Mid / Full Up	

Seat Type codes:

0 = No seat or seat folded down
1 = Bucket
2 = Bucket w/ folding back
3 = Bench
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
8 = Pedestal (i.e. column supported)
9 = Box mounted (i.e. van type)
10= Other seat type (specify)
99= Unknown seat type

VEHICLE MEASUREMENTS

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

Not Applicable ☑

Undo Not Applicable

Reset Values

U.S. Department of Transportation
National Highway Traffic Safety Administration

Back Up / Parking Aid Form

Special Crash Investigations
Not In Traffic Surveillance

1. Case Number

D S 0 7 0 3 9

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

Not Applicable

No Driver Present ✔

Undo Not Applicable

Reset Values

U.S. Department of Transportation
National Highway Traffic Safety Administration

DRIVER FORM

Special Crash Investigations
Not In Traffic Surveillance

1. Case Number

D S 0 7 0 3 9

DRIVER PROFILE

2. Driver's Age ____ ____
   99 = Unknown

3. Driver's Sex
   - ☐ Male
   - ☐ Female
   - ☐ Unknown

4. Driver's Height ____ ____ ____ cm
   999 = Unknown

5. Driver's Weight ____ ____ ____ kg
   999 = Unknown

6. Driver eyewear worn
   (Select all that apply)
   - ☐ None
   - ☐ Eyeglasses
   - ☐ Sunglasses
   - ☐ Contacts
   - ☐ Unknown

7. Driver vision deficiency condition
   (Select all that apply)
   - ☐ None
   - ☐ Nea sighted
   - ☐ Far ighted
   - ☐ stigmatism
   - ☐ O r (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

Not Applicable

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
    - ☐ 11-30 Seconds
    - ◉ 31-60 Seconds
    - ☐ Over 60 Seconds
    - ☐ N/A
    - ☐ 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

Not Applicable ☐

U.S. Department of Transportation
National Highway Traffic Safety Administration

Non Motorist Form

Reset Values

Special Crash Investigations
Not In Traffic Surveillance

1. Case Number
D S 0 7 0 3 9

NON-MOTORIST PROFILE

2. Non-motorist's Age — 0 5 ☐ Months ☉ Years
99 = Unknown

3. Non-motorist's Sex
☉ Male
☐ Female
☐ Unknown

4. Non-motorist's Height — 1 1 2 cm
999 = Unknown

5. Non-motorist's Weight — 0 2 5 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: hyperthermia
☐ 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) in trunk
☐ 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): in trunk
☐ 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:

Colors		***Fabrics***	***Textures***	***Weights***
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)			
Pink				

	Clothing	Color	Fabric	Texture	Weight
HEADWEAR	Hat	None			
	Helmet	None			
	Hood	None			
	Other (specify): _____				
UPPER BODY	Short Sleeve	Red	Unknown	Soft	Light
	Long Sleeve				
	Light Jacket				
	Heavy Jacket				
	Other (Specify): _____				
LOWER BODY	Shorts				
	Pants	Light blue	Natural	Soft	Medium
	Shoes	Unknown	Unknown	Unknown	Unknown
	Other (specify): _____				