CRASH DATA RESEARCH CENTER

Calspan Corporation
Buffalo, NY 14225

NOT-IN-TRAFFIC SURVEILLANCE

CALSPAN REMOTE HYPERTHERMIA INVESTIGATION

SCI CASE NO.: CA07-017

VEHICLE: 2005 HONDA PILOT

LOCATION: VIRGINIA

DATE: MARCH 2007

Contract No. DTNH22-07-C-00043

Prepared for:

U.S. Department of Transportation
National Highway Traffic Safety Administration
Washington, D.C. 20590

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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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16. Abstract This remote investigation was assigned to research the facts associated with a hyperthermia death that involved a 9-month old male (case occupant) who was left unattended in a vehicle in a commercial parking lot. The 35-year old driver/mother of the child was distracted by a cellular telephone call and failed to drop her child off at her daycare provider prior to reporting to work. She parked the Honda Pilot EX sport utility vehicle in an open area of a paved parking lot and returned to the vehicle approximately 7.5 hours later. She removed the child from a child safety seat, performed CPR and called for assistance. Attempts to resuscitate the child were unsuccessful. The Medical Examiner reported the cause of death as hyperthermia.			
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TABLE OF CONTENTS

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CALSPAN REMOTE HYPERTHERMIA INVESTIGATION
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Background

This remote investigation was assigned to research the facts associated with a hyperthermia death that involved a 9-month old male (case occupant) who was left unattended in a vehicle in a commercial parking lot. The 35-year old driver/mother of the child was distracted by a cellular telephone call and failed to drop her child off at her daycare provider prior to reporting to work. She parked the Honda Pilot EX sport utility vehicle in an open area of a paved parking lot and returned to the vehicle approximately 7.5 hours later. She removed the child from a child safety seat, performed CPR and called for assistance. Attempts to resuscitate the child were unsuccessful. The Medical Examiner reported the cause of death as hyperthermia.

Figure 1. Exemplar Honda Pilot.

This incident was identified by NHTSA through an Internet news article. The article was subsequently forwarded to the Calspan Special Crash Investigations (SCI) team for remote follow-up on April 11, 2007. The SCI team initiated telephone contact with the Police Chief and the Prosecutor's Office. Details pertaining to this incident were secured by the legal system until the completion of the jury trial in January 2008. Following the acquittal of the mother, the investigating police detective provided the details of this incident to the SCI team. This hyperthermia death was reported as an Incident to the State Incident Based Reporting System.

Summary

Incident Site

This incident occurred in a parking lot of a commercial building during clear and dry conditions. The lot was surfaced with asphalt and delineated with painted parking spaces. The sky was clear and the pavement was dry. In the area where the Honda was parked, the lot was open to full sun with several trees offering partial early morning shade. The investigating officer noted that the driver pulled forward into the parking space and parked the Pilot in an area of sparse pedestrian traffic.

Vehicle Data

The involved vehicle in this case was a 2005 Honda Pilot EX, four door sport utility vehicle. The Honda was equipped with eight-passenger seating with three rows of seats in a 2-3-3 configuration. **Figure 2** is an interior view of the driver's position in of exemplar Honda Pilot. The Honda Pilot EX was black in color with a beige leather

interior. The Pilot was identified by Vehicle Identification Number (VIN) 5FNYF18695B (production number deleted). The Pilot was equipped with deep tinted privacy glass at the rear doors, quarter windows, and backlight glazing. The police stated that the vehicle was not equipped with a sunroof. The door windows were power activated and all windows were reported as closed by the investigating officer for the duration of this incident.

Figure 2. View of the driver's position and interior configuration in an exemplar vehicle.

Driver Data

The driver of the Honda and mother of the 9-month-old male was 35-years of age. She was employed full-time and used the Honda Pilot as her means of transportation to work. The mother held the responsibility of transporting her son to day care on her morning drive to work.

Case Occupant

The case occupant was a 9-month old male with a medical examiner reported height of 74.5 cm (29") and a weight of 11 kg (25 lb). The infant was dressed in a diaper, a one-zee style T-shirt that snapped in the front, bib overalls, white socks, and a hooded sweatshirt. It is unknown if the hood was up over his head or if the sweatshirt was zipped while he was in the vehicle. The infant was presumably restrained in a rear-facing infant seat in the rear left position of the vehicle.

Pre-Incident

The case occupant's parents had recently purchased a convertible child safety seat and installed the seat in a rear-facing position in the rear right seat of the Honda Pilot. The parents were not comfortable with the fit and installation of this CSS and elected to reinstall the rear-facing infant seat in the rear left position of the vehicle. The convertible seat remained in the rear right position the day of the incident.

On the morning of this incident, the case occupant's father reinstalled the rear-facing infant seat in the rear left position of the Pilot. The case occupant was placed in the CSS in the rear left position and presumably secured in the seat with the integral harness system. **Figure 3** is a view of the second row seat in an exemplar Honda Pilot. The parents entered the Honda Pilot with the mother driving. On this morning, the father required a ride to work, as he had loaned his vehicle to a family member following a traffic crash. This task added approximately five minutes to the driver's normal commute to work that involved a stop at the babysitter's residence.

Figure 3. Second row seat configuration of an exemplar Honda Pilot.

They departed their residence at approximately 0747 hours. During the commute, the driver became engaged in an emotional cellular telephone conversation with a family member that was 29 minutes in length. She dropped her husband off at work and continued her commute. She drove past the subdivision where her daycare provider lived and continued to her office location, arriving at approximately 0823 hours. She arrived past her normal start time and was one of the last employees to arrive at work that morning.

Incident

The driver parked the Honda Pilot in the parking lot with the front of the vehicle facing in a westerly direction. All the windows were closed as she exited the Honda and proceeded to her office. The vehicle was parked in an area of minimal pedestrian traffic. Traffic noise from an adjacent roadway was present within the area of the parked Honda.

The investigating officer noted that the parking lot was surfaced with asphalt and that the Honda Pilot was positioned in an area of full sun. He further noted that several trees could have shaded the vehicle during the early minutes of its parked position.

The National Weather Service reported a temperature of approximately 5 degrees C (41 degrees F) approximately 30 minutes following her arrival at work. The temperature rose steadily during the day to 13 degrees C (55 degrees F) at the noon hour to a high of 19 degrees C (66 degrees F) at 1643 hours.

While at work, the mother of the case occupant became heavily involved in several tasks that required her full attention. The babysitter called the mother at 0942 hours and left a message on her personnel cell phone inquiring about the status of the non-motorist. The mother did not retrieve the message until 1500 hours. The mother returned the call and left a message for the sitter. They did not directly speak to one another until 1558 hours. At that point, the mother ran to the car and found her 9-month old son unresponsive in the rear facing child safety seat. The total time the child was left unattended in the closed vehicle was approximately 7 hours and 37 minutes. It should be noted that the National Weather Service reported temperature at 1553 hours was 18 degrees C (64.9 degrees F)

The mother removed the child from the CSS and initiated CPR activities as she screamed for assistance. Police and emergency medical personnel responded to the scene. The investigating officer observed the child with the sweat shirt open and the hood down behind his neck. He could not conclude if the child was secured in the CSS for the duration of the day. The child was pronounced deceased at the scene. His body was transported to a local hospital where his core temperature was recorded at 43 degrees C (110 degrees F).

An autopsy was performed. The Medical Examiner concluded that the body suffered from marked dehydration and the cause of death was hyperthermia.

Post-Incident

During the course of the police investigation, the interior temperature of the Honda Pilot was measured at two different intervals. At 1711 hours, approximately 1 hour and 10 minutes after the child was removed from the vehicle, the interior temperature measured 28 degrees C (82.5 degrees F). With the vehicle closed, the temperature was again measured at 1741 hours at 37 degrees C (98.1 degrees F). The ambient outside temperature at this time was reported at 19 degrees C (66 degrees F).

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

C A 0 7 0 1 7

IDENTIFICATION

2. Date of Crash 0 3 / X X / 0 7

3. Time of Crash 9 9 9 9

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
- ( ) 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
- ( ) 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 C A 0 7 0 1 7

VEHICLE IDENTIFICATION

2. VIN 5 F N Y F 1 8 6 9 5 B X X X X X X

3. Model Year 2 0 0 5

4. Vehicle Make (specify): Honda

5. Vehicle Model (specify): Pilot

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 235/70-16

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)
Front Left	1	☑	☐ ☐ ☐ Full Down / Mid / Full Up
Front Middle	0	☐	☐ ☐ ☐ Full Down / Mid / Full Up
Front Right	1	☑	☐ ☐ ☐ Full Down / Mid / Full Up
2nd Left	7	☑	☐ ☐ ☐ Full Down / Mid / Full Up
2nd Middle	7	☑	☐ ☐ ☐ Full Down / Mid / Full Up
2nd Right	7	☑	☐ ☐ ☐ Full Down / Mid / Full Up
3rd Left	7	☑	☐ ☐ ☐ Full Down / Mid / Full Up
3rd Middle	7	☑	☐ ☐ ☐ Full Down / Mid / Full Up
3rd Right	7	☑	☐ ☐ ☐ Full Down / Mid / Full Up

NOTES:

Unknown positions of head restraints.

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	N/A	
Sensor Height (if equipped)		N/A	
Camera Height (if equipped)		N/A	

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

C A 0 7 0 1 7

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

No Driver Present ✔

Reset Values

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

DRIVER FORM

Special Crash Investigations
Not In Traffic Surveillance

1. Case Number

C A 0 7 0 1 7

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
   - ○ 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
    - ○ No
    - ○ N/A
    - ○ 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
    - ○ 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
C A 0 7 0 1 7

NON-MOTORIST PROFILE

2. Non-motorist's Age
99 = Unknown
0 9 ◉ Months ○ Years

3. Non-motorist's Sex
◉ Male
○ Female
○ Unknown

4. Non-motorist's Height
999 = Unknown
0 7 5 cm

5. Non-motorist's Weight
999 = Unknown
0 1 1 kg

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) RFCSS
○ 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): Inside vehicle
○ 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): Inside vehicle
○ 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) Inside veh
○ 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				
	Helmet				
	Hood	Unknown if used			
	Other (specify): _____				
UPPER BODY	Short Sleeve	White	Natural	Soft	Light
	Long Sleeve	Unknown	Natural	Soft	Heavy
	Light Jacket				
	Heavy Jacket				
	Other (Specify): Bib overalls	Unknown	Natural	Soft	Heavy
LOWER BODY	Shorts				
	Pants				
	Shoes				
	Other (specify): Socks	White	Natural	Soft	Light