CRASH DATA RESEARCH CENTER

Calspan Corporation Buffalo, NY 14225

NOT-IN-TRAFFIC SURVEILLANCE CALSPAN REMOTE CARBON MONOXIDE POISONING FATALITY INVESTIGATION

SCI CASE NO.: CA09011

VEHICLE: 2000 DODGE CARAVAN LOCATION: FLORIDA DATE: JANUARY 2009

Contract No. DTNH22-07-C-00043

Prepared for:

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

DISCLAIMER

This document is disseminated under the sponsorship of the Department of Transportation in the interest of information exchange. The United States Government assumes no responsibility for the contents or use thereof.

The opinions, findings, and conclusions expressed in this publication are those of the authors and not necessarily those of the National Highway Traffic Safety Administration.

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

| 1. Report No. CA09011 | 2. Government Accession No. | 3. Recipient's Catalog | No. |
|---|--|---|---|
| 4. Title and Subtitle Not-In-Traffic Surveillance Calspan Remote Carbon Monoxide Vehicle: 2000 Dodge Caravan Location: Florida | Poisoning Fatality Investigation | 5. Report Date: October 2010 | |
| | | 6. Performing Organiza | ation Code |
| 7. <i>Author(s)</i> Crash Data Research Center | | 8. Performing Organiza Report No. | ation |
| 9. Performing Organization Name and Calspan Corporation Crash Data Research Center P.O. Box 400 Buffalo, New York 14225 | ! Address | 10. Work Unit No. C00500.0000.0010 | |
| | | 11. Contract or Grant I DTNH22-07-C-00 | |
| 12. Sponsoring Agency Name and Address U.S. Department of Transportation National Highway Traffic Safety Administration Washington, D.C. 20590 | | 13. Type of Report and Period Covered Technical Report Crash Date: January 2009 | |
| | | 14. Sponsoring Agency Code | |
| 15. Supplementary Note The Not-In Traffic carbon mo | noxide poisoning investigation involvi | ing a 2000 Dodge Grand C | 'aravan. |
| year-old male and an 83-year-old fem at the couple's single family home. T unattended and idling in the garage for | | approximate 24 hour time hed garage and the 2000 I The fatalities were disco | period in January, 2009 Dodge Caravan was left |
| 17. Key Words | | 18. Distribution Statement | |
| Not-In-Traffic Surveillance Carbon N 19. Security Classif. (of this report) Unclassified | 20. Security Classif. (of this page) Unclassified | General Public 21. No. of Pages 15 | 22. Price |

TABLE OF CONTENTS

| BACKGROUND | . 1 |
|---|-----|
| SUMMARY | . 1 |
| Incident Site | . 1 |
| Vehicle Data | . 2 |
| Victim Data | . 2 |
| Incident | . 3 |
| Post-Incident | . 3 |
| Literature Review | . 4 |
| Incident Schematic | 5 |
| Attachment A: Not-In-Traffic Surveillance Forms | 6 |
| | |

NOT-IN-TRAFFIC SURVEILLANCE CALSPAN REMOTE CARBON MONOXIDE POISONING FATALITY INVESTIGATION SCI CASE NO: CA09011

VEHICLE: 2000 DODGE CARAVAN LOCATION: FLORIDA DATE: JANUARY, 2009

BACKGROUND

This remote investigation focused on the circumstances surrounding the carbon monoxide poisoning-related fatalities of an 88-year-old male and an 83-year-old female. This incident developed over an approximate 24 hour time period in January, 2009 at the couple's single family home (**Figure 1**). The single story dwelling had an attached garage and the 2000 Dodge Caravan was left unattended and idling in the garage for an unknown extended time period. The fatalities were discovered by the son of the



The fatalities were discovered by the son of the Figure 1: Police image of the single family home. deceased during the evening hours after the couple failed to meet a scheduled dinner engagement.

This incident was identified by the Crash Investigation Division (CID) of the National Highway Traffic Safety Administration (NHTSA) and was subsequently assigned as a remote investigation to the Calspan Special Crash Investigations (SCI) team on February 25, 2009. This case was assigned as part of the Not-in-Traffic Surveillance data collection conducted by the Agency. Calspan SCI initiated follow-up investigation and established cooperation with the investigating police agency. After a lengthy delay, the incident report was released by the investigating police department. A review of the incident report and interviews with the detective in-charge of the investigation, the police department's media relations officer and the son of the deceased provided the detail that is summarized in this report.

SUMMARY

Incident Site

This incident occurred over an approximate 24 hour period over two calendar days in January, 2009. The fatalities occurred within a single family dwelling in a residential neighborhood. The single story house was a three bedroom/two bath home of CBS (Concrete Block and Stucco) construction with an attached garage. The interior of the garage was finished with drywall and had a single entry door into home. Entering the dwelling via the entry door from the garage, an

individual would first enter a laundry room. Passing through an interior door in the laundry room would place the individual in a hallway adjacent to the master bedroom and the kitchen area. A schematic of the incident site is attached to the end of this report as **Figure 4**.

Vehicle Data

The involved vehicle was a 2000 Dodge Grand Caravan and was identified by the Vehicle Identification Number (VIN): 1B4GP44R2YB (production sequence deleted). The 4-door, front wheel drive vehicle was configured on a 303 cm (119.3 in) wheelbase and was equipped with a 3.3-liter V6 engine and a 4-speed automatic transmission. The rear bumper of the Dodge had been modified and an after-market wheelchair ramp had been installed in the vehicle. The manufacturer/installer of the wheelchair ramp was unknown. The son of the deceased reported that at the time of the incident, the ramp could only be operated manually. The electronic deployment of the ramp was inoperative. **Figures 2 and 3** are views of the parked vehicle within the garage.



Figure 2: Right rear oblique view of the Dodge.



Figure 3: Left front oblique view of the Dodge.

Victim Data

The 88-year-old male and the 83-year-old female were a retired, married couple living independently in the single story dwelling. Both individuals were found deceased within the home by a family member (their son). The deceased couple did not make a scheduled dinner engagement which prompted the son to investigate. The 83-year-old female was found in the garage adjacent to the right front door of the Dodge. The 88-year-old male was found at the entrance to the master bedroom adjacent to the hallway and the entry way to the garage. Both individuals were dressed in sleep-wear. The medical examiner determined the cause of death for both individuals was chemical asphyxia by carbon monoxide inhalation (AIS code 919200.2,0). Autopsies were not conducted.

In his interview, the son of the deceased indicated that his parents had some health issues but were very independent. They did not need assistance for their day-to-day living. The 83-year-old female was the primary care-giver for 88-year-old male, who at times was in need of

wheelchair and/or walker assistance. The 88-year-old male individual could "shuffle along" throughout the house and ambulate from the garage into the house, but he was in need of a wheelchair for longer distances.

The son reported that typically when his parents were away from the house his father would use a wheelchair and/or walker. The 83-year-old female would manually access the wheelchair ramp at their destination. However, when they returned home and parked in the garage, his father would walk back into the house assisted by his mother. There was no need to access the wheelchair ramp while the vehicle was parked in the garage. The wheelchair ramp modification and its operation were not a factor in this carbon monoxide poisoning incident. Additionally, the son reported that three days prior to the incident, his mother had left the vehicle idling unattended outside a restaurant while the couple was having dinner.

Incident

On the evening prior to the incident, it is believed the elderly couple returned home from a dinner engagement and the 83-year-old female drove the Dodge into the garage. The driver exited through the left door, left the vehicle idling and assisted the 88-year old male into the house. The couple entered the house and closed the entry door leading from the garage for the evening leaving the vehicle idling overnight. Through the course of the night, toxic levels of carbon monoxide built-up inside the enclosed garage.

The police investigation revealed that on the morning of the incident, the couple had been awake and had been seated at the kitchen table. The husband's daily medication was set out on the table and divided for his use. The 83-year-old female apparently left the kitchen, walked through the laundry room and opened the entry door to the garage (presumably to attend to the idling vehicle). She walked to the Dodge opened the front right door and turned the ignition "Off". Post-incident, the front right door was found open; the fuel gauge indicated the fuel tank was half-empty.

As 83-year-old female attempted to return to the house, the woman was overcome by the carbon monoxide fumes. She was found deceased in the garage, near the entry door. The 88-year-old male attempted to respond to his ill wife and approached the garage. He entered the hallway and was overcome by the fumes as well. A small dog was found on the bed in master bedroom. The dog was also deceased.

Post-Incident

The deceased couple was found by their son that evening. He reported that he had last spoken to his parents on the prior afternoon and had discussed dinner plans for the following evening. He further indicated he had attempted to contact his parents several times the day of the incident regarding the dinner engagement. He was unable to reach his parents via telephone and became

worried as their meeting time approached. He traveled to their residence and entered the home noticing a strong odor of vehicle exhaust. He observed his parents unconscious and deceased on the floor and exited the house. He contacted the police via the emergency response system.

The police and fire personnel responded to the incident site. The responding fire department personnel measured the level of carbon monoxide (CO) and it was determined that it was unsafe to enter the home without the assistance of an air pack. The level of CO was reported as 13 percent. [This reported percentage value appeared to be inaccurate based on a literature review. CO concentration is typically measured in parts per million (ppm). One ppm is equivalent to 0.0001%. A 13% CO level is not possible.] It was not known where that measurement was taken, but the home reportedly had been ventilated approximately 30 minutes prior to the reading. The house was ventilated an additional 45 to 60 minutes prior to the entry of the police detective.

Literature Review

The toxic effect of CO exposure is related to both the length of the exposure and concentration of CO, in addition to the physical condition of involved individual. In blood chemistry, CO tightly binds to hemoglobin, the molecule in the blood responsible for transporting oxygen throughout the body. The binding of CO and hemoglobin form carboxyhemoglobin which does not perform oxygen transport. CO's affinity for hemoglobin is approximately 240 times greater than that of oxygen. Over time carboxyhemoglobin gradually builds up in the bloodstream degrading the oxygen transport in the body. The brain and vital organs of the oxygen starved body slowly shut down, ultimately leading to death if the symptoms of CO poisoning are not detected. Research has determined that exposure to CO levels above 300 ppm (0.03%) for more than 1 to 2 hours can lead to death and exposure to 800 ppm (0.08%) can be fatal after an hour. Only trace levels of carbon monoxide are present under normal atmospheric conditions.

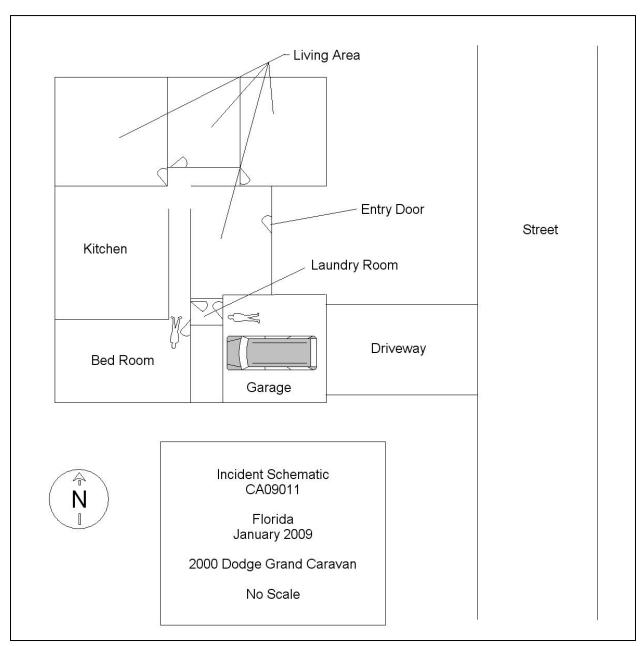


Figure 4: Incident schematic.

ATTACHMENT A

Not-In-Traffic Surveillance Forms

| Not Applicable | |
|--|--|
| U.S. Department of Transportation SCENE I National Highway Traffic Safety Administration | Not in thank our vehicute |
| 1. Case Number | 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 |
| 3. Time of Crash 9 9 9 9 Code reported military time of crash. | 8. Driver exterior sightline obstructions (Select all that apply) |
| NOTE: Midnight = 2400 Unknown = 9999 | None Utility poles Other vehicles Signs Building Glare Trees Unknown |
| AMBIENT CONDITIONS 4. Light Conditions Daylight Dark Dark but lighted Dawn Dusk Image: Unknown 5. Atmospheric Conditions (Select all that apply) Image: Clear-No adverse conditions (Select all that apply) Image: Clear-No adverse conditions (Cloudy Rain Snow Fog, Smog, Smoke Sileet, 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 (51-75 F) Over 24 degrees Celsius (Over 75 F) Unknown | Interes Other (specify) 9. Crash location Driveway Parking Lot Road / street Parking Lot Roadside / shoulder Sidewalk Other (specify)<u>Garage</u> Alley 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 0 0 0 0 13. Estimated distance from parked position to impact 0 0 0 0 0 0 0 14. Grade at impact 0 0 0 0 0 0 0 0 |
| | Unknown = 999 Reference Items 11,12, 13, 14, 15 |

| Not A | pplicable | | | | |
|--|---|--|--|---|--|
| | it of Transportation ay Traffic Safety A | | FORM | Special Crash Investigations Not In Traffic Surveillance | |
| 1. Case Nu | mber <u>C</u> | <u>A 0 9 0 1</u> | | | |
| 2. VIN 1 | B 4 (| G P 4 4 R 2 | | x x x | |
| | ear <u>2</u> 0 | | | | |
| 4. Vehicle I | Make (specify | /): DODGE | | | |
| 5. Vehicle f | Model (specif | y): GRAND CARAVAN | | | |
| | | GLAZ | ING | | |
| Location | Presence (check) | Status (select) | Clarity (select) | Tint (check) (specify if present) | |
| Windshield | V | Fund Closed / Open / Partially Open / Unknown | Clear r Hazy r Very Dirty r Unitorem | | |
| LF | V | Fixed / Closed / Open / Parkelly Open / UnMicrosof | Clear / Hezy / Very Dirty / Unit/covin | | |
| RF | V | Found / Diseased / Open / Partially Open / United over | Cenar / Hazy / Very Dirty / Unicrown | | |
| 2 nd Left | V | Fixed Glosed / Open / Partially Open / Unknown | Clear / Hazy / Very Dirty / Unitroten | | |
| 2 nd Right | V | Fraed / Clasted / Open / Partially Open / Unknown | Casar / Heizy / Very Dirty / Unknown | | |
| 3 rd Left | V | Fixed / Closed / Open / Parkally Opam / Unknown | Clear / Hazy / Very Dirty / Unkcosm | | |
| 3 rd Right | V | Frand / Cloand / Open / Parlially Open / Unknown | Clear / Hazy / Very Dirty / Unknown | | |
| Backlight | V | Fixed / Dissel / Open / Partially Open / Unknown | Clear / Hazy / Very Dely / Unknown | r | |
| Left Backlight | | Fued / Created / Open / Partially Open / Unknown | Caar / Hazy / Vany Dirty / Univolven | | |
| Right Backlight | | Fixed / Claaed / Open / Parlially Open / Univolven | Clear / Hazy / Very Dirty / Unitzoim | | |
| Roof | | Found / Dissued / Opum / Parlially Open / Unicrown | Casar / Hazy / Very Dety / Unknown | | |
| Other (specify) | | Fixed Closed / Open Partially Open / Unknown | Clear / Hazy / Very Dirty / Unlincem | | |
| | | TIRE D | АТА | | |
| 6. Vehicle | Manufactu | rer Recommended Tire Size _ | P205/65R16 | | |
| 7. LF Tire | Size | UNKNOWN 9. | RF Tire Size | UNKNOWN | |
| 8. LR Tire Size <u>UNKNOWN</u> 10. RR Tire Size <u>UNKNOWN</u> | | | | | |

Special Crash Investigations - Not In Traffic Surveillance: Vehicle Form

| | 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 | Per the interview with the son of the deceased - the third | | | |
| Front Middle | 0 | | Full Down / Mid / Full Up | row seat was removed to accomodate the wheelchair | | | |
| Front Right | 1 | | Full Down / Mid / Full Up | ramp. The second row seat type was unknown. | | | |
| 2 nd Left | 99 | | Full Down / Mid / Full Up | | | | |
| 2 nd Middle | 99 | | Full Down / Mid / Full Up | | | | |
| 2 nd Right | 99 | | Full Down / Mid / Full Up | | | | |
| 3 rd Left | 0 | | Full Down / Mid / Full Up | | | | |
| 3 rd Middle | 0 | | Full Down / Mid / Full Up | | | | |
| 3 rd 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

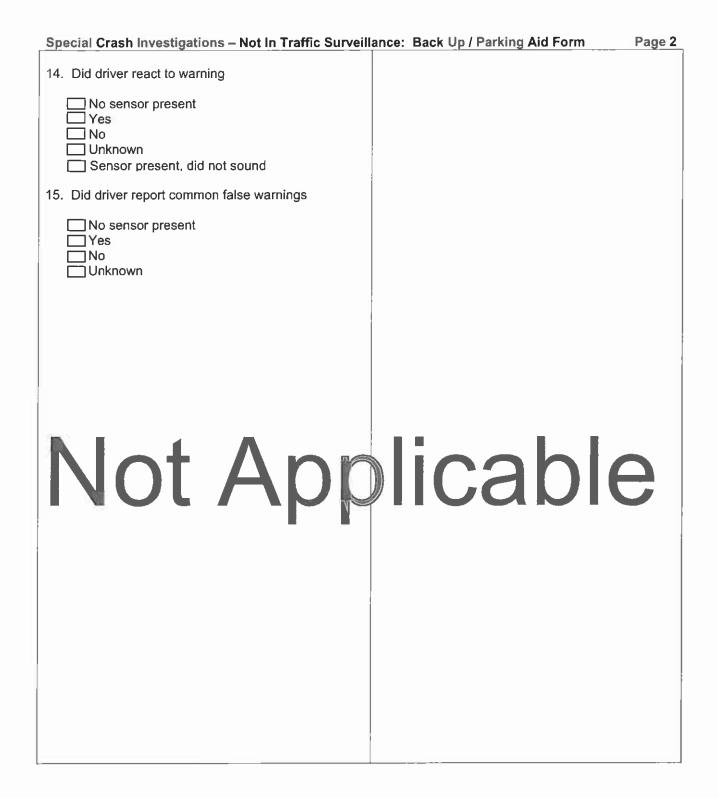
VEHICLE MEASUREMENTS

| 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 | |

8 = Pedestal (i.e. column supported) 9 = Box mounted (i.e. van type)

- 10= Other seat type (specify)
- 99= Unknown seat type

| Undo Not Applicable U.S. Department of Transportation National Highway Traffic Safety Administration Back Up / F | Parking Aid Form Special Crash Investigations Not In Traffic Surveillance |
|--|--|
| 1. Case Number | Video image quality under scene lighting conditions |
| C A 0 9 0 1 1 PARKING AID PRESENCE 2. Type of backing/parking aid present OEM camera OEM camera OEM ultrasonic/radar sensor OEM combination camera-ultrasonic/radar sensor OEM combination camera-ultrasonic/radar sensor OEM Fresnel lens OEM interior mirrors Aftermarket camera Aftermarket combination camera-ultrasonic radar sensor Aftermarket presnel lens Aftermarket Fresnel lens Aftermarket Fresnel lens Aftermarket interior mirrors Aftermarket interior mirrors | None present Good Average Poor (specify): |
| CAMERA INFORMATION Specify field of view measurements on diagram | Specify object detection range on diagram 9. System make/model |
| 3. System make/model 4. ridearcontor typ None present LCD (color) CRT (black & white) Unknown | 10. Auditory warning illumination 10. No sensor present 11. Number of sensors 12. Sensor locations |
| 5. Video display size cm (Diagonal) 6. Camera location None present Bumper License plate | (Select all that apply) No sensor present Left bumper Right bumper License plate area Tailgate/Hatch/Trunk |
| Tailgate/Hatch/Trunk Other (specify): | 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 |



| No Driver Present | |
|---|--|
| U.S. Department of Transportation National Highway Traffic Safety Administration | FORM Special Crash Investigations Not In Traffic Surveillance |
| 1. Case Number C A 0 9 0 1 1 DRIVER PROFILE 2. Driver's Age | 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: |
| 7. Driver vision deficiency condition (Select all that apply) Not Near sighted Far igt ed time ism Our (s. ecit) | 13. Priver in a hurry DECERPTOR DEC 14. How did driver check behind (rear area of vehicle) |
| 8. Non motorist's relationship to driver No relationship Child Grandchild Sibling Neighbor Friend Other (specify): Unknown DRIVER ACTIONS | after vehicle entry (Select all that apply) Did not look Checked mirrors Turned right and looked back Turned left and looked back Viewed Carnera Listened for auditory/visual warning from system Other (specify): |
| 9. Driver approach to vehicle for entry From left front From left rear From right rear From right front Circled vehicle Return trip (backing into driveway/lot) Other (specify): | Other (specify): Unknown 15. Estimated time between vehicle entry and start of backing 0-10 Seconds 0-10 Seconds 11-30 Seconds N/A 31-60 Seconds Unknown |

| Special Crash | Investigations - | - Not In | Traffic Surveillance: | Driver Form |
|----------------------|------------------|----------|-----------------------|-------------|
| | | | | |

| 16. What direction was the driver looking during backing maneuver | Did driver see struck non motorist prior to impact (Select all that apply) |
|---|---|
| <pre>(Select all that apply)</pre> | 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 |
| No non-driving activities <i>External</i> Looking at other vehicles | 21. Driver interior sightline obstructions (Select all that apply) |
| Looking at other non motorist Looking at intended turn destination External focus, not specified Other external focus (specify): | Headrest Cargo None 22. Recent experience driving this vehicle |
| Internal Looking at other occupant Talking to passenger Dialing phone Taking on phone List initiate radiated/portable praybank vice disting racip/or player Adisting climate controls Using a conce/controls integral to vertice (specify): | 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 stiving three months V/a V/a Frequency or driving in this parking tot/driveway |
| (specify): Reading/adjusting navigation system Eating or drinking Smoking related Retrieving fallen object (specify): Internal focus, not specified Focused on other internal object | Daily Weekly Several times a month Monthly Rarely First time in lot/driveway N/A Unknown |
| (specify): N/A Unknown | 24. Driver Impairment (Select all that apply) |
| 18. Driver avoidance actions prior to impact (Select all that apply) None Braking Steering left | No drugs or alcohol present Alcohol present (specify BAC): Drugs present (specify): Unknown 25. Source of alcohol/drug results |
| Steering right Accelerating Other (specify): N/A Unknown | Police reported Medical record Other (specify) Not Tested Unknown if tested |

| torist |
|---|
| M Special Crash Investigations Not In Traffic Surveillance |
| Special Crash Investigations Not in Traffic Surveillance 11. Non-motorist motion Not moving Walking slowly Walking rapidly Running or jogging Skipping/Hopping/Jumping Falling/Stumbling/Rising On skates/skateboard On skates/skateboard On skates/skateboard On bike/scooter Other (specify): IV/A Unknown 12. Non-motorist approach relative to rear of vehicle Stationary From left From behind Other (specify): N/A 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): N/A Unknown 14. Non-motorist primary focus of attention Striking vehicle Play object Person Surrounding |
| (Select all that apply) |
| |

| Sp | ecial Crash Inve | stigations – Not In Tr | affic Surveillance: Nor | n-Motorist Form | Page 2 |
|-------------|--|---|--|--|--|
| | | NO | N MOTORIST CLOTHIN | IG | |
| NC | | NE" if applicable | Veight for outermost laye | er only | |
| | Color Black Lt gray/silver Gold/tan Dark blue Dark green Maroon Orange White Pink | Charcoal gray Brown Purple Light blue Light green Red Yellow Other (specify) | Fabrics Natural Synthetic Blend | <u>Textures</u> Soft Slick Coarse | <u>Weights</u> Heavy Medium Light |
| | Clothing | Color | Fabric | Texture | Weight |
| H E A | Hat Helmet | | | | |
| D W | Hood | | : | | |
| EA | Other (specify): | | | | |
| R | Unknown | Unknown | Unknown | Unknown | Unknown |
| U | Short Sleeve | | | | |
| P P | Long Sleeve | | | | |
| E R | Light Jacket | | | | |
| в | Heavy Jacket | | | | |
| O D | Other (Specify): | | | | |
| Y | Unknown | Unknown | Unknown | Unknown | Unknown |
| L O | Shorts | | | | |
| WE | Pants | | | | |
| R | Shoes | | | | |
| B O | Other (specify): | | | | |
| D Y | Unknown | Unknown | Unknown | Unknown | Unknown |

| Not Applicable Non Mo U.S. Department of Transportation National Highway Traffic Safety Administration | |
|---|---|
| Non Mic Non Mic Notional Highway Traffic Safety Administration For I. Case Number | m Special Crash Investigations Not In Traffic Surveillance |
| 9. Source of alcohol/drug results Police reported Medical Report | Other Object (specify) <u>N/A</u> Unknown Unknown Unknown Unknown Unknown |
| 10. Non-motorist attitude Standing On skates/skateboard Bending at waist On bike/scooter Sitting Other (specify) | Multiple adults present |
| Crouching Unknown Kneeling | |

| Sp | ecial Crash Inve | stigations – Not In Tr | affic Surveillance: Nor | n-Motorist Form | Page 2 |
|-------------|---|---|-------------------------------|-------------------------|--------------------------|
| | | NO | N MOTORIST CLOTHIN | IG | |
| N | • Specify Color | - Eabric and Texture | Veight for outermost laye | ar only | |
| | | NE" if applicable | veight for outermost laye | si Oniy | |
| | Colors | | Fabrics | Textures | Weights |
| | Black Lt gray/silver Gold/tan Dark blue Dark green Maroon Orange White Pink | Charcoal gray Brown Purple Light blue Light green Red Yellow Other (specify) | Natural Synthetic Blend | Soft Slick Coarse | Heavy Medium Light |
| - | Clothing | Color | Fabric | Texture | Weight |
| н | Hat | | | | |
| EA | Helmet | | | | |
| D W | Hood | | | | |
| EA | Other (specify): | | | | |
| R | Unknown | Unknown | Unknown | Unknown | Unknown |
| υ | Short Sleeve | | | | |
| P P | Long Sleeve | | | | |
| E R | Light Jacket | | | | |
| в | Heavy Jacket | | | | |
| O D Y | Other (Specify): | | | | |
| ſ | Unknown | Unknown | Unknown | Unknown | Unknown |
| L O | Shorts | | | | |
| W E | Pants | | | | |
| R | Shoes | | | | |
| BO | Other (specify): | | | | |
| D Y | Unknown | Unknown | Unknown | Unknown | Unknown |