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ON-SITE NOT-IN-TRAFFIC SURVEILLANCE BACK OVER INVESTIGATION

CASE NUMBER - IN-07-009 LOCATION - TEXAS VEHICLE - 1997 FORD TAURUS CRASH DATE - February 2007

Submitted:

April 18, 2007 Revised: October 2, 2007



Contract Number: DTNH22-07-C-00044

Prepared for:

U.S. Department of Transportation National Highway Traffic Safety Administration National Center for Statistics and Analysis Washington, D.C. 20590-0003

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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

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15. Supplementary Notes

On-site not-in-traffic surveillance back over investigation involving a 1997 Ford Taurus and a pedestrian.

16. Abstract

This report covers an on-site not-in-traffic surveillance back over investigation involving a 1997 Ford Taurus (case vehicle), which backed into a pedestrian in a parking lot. The Ford was parked in a designated parking space directly across a parking lot access roadway from a bank. The Ford's driver had just left the bank, entered the Ford and was preparing to back up. Meanwhile, a 2005 Dodge pickup truck pulled up to the curb in front of the bank directly behind the Ford. The front right passenger exited the Dodge and walked along the passenger side of the vehicle to retrieve his briefcase from the truck bed. The Ford's driver backed out of his parking space, did not look behind him or check his mirrors as he backed and backed into the pedestrian pinning him against the passenger side of the pickup truck. The pedestrian sustained minor injuries and was transported by ambulance to a hospital and was treated and released. A visibility study indicated that the Ford's driver could have seen the Dodge, and most likely the pedestrian, had he looked out of the Ford's backlight or checked his mirrors as he backed up.

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ATTACHMENTS: NOT IN TRAFFIC SURVEILLANCE BACK OVER DATA FORMS

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BACKGROUND IN-07-009

This incident was brought to NHTSA's attention on or before March 6, 2007 by NASS CDS/GES sampling activities. This incident involved a 1997 Ford Taurus (case vehicle) and a pedestrian. The incident occurred in February 2007, at 11:30 a.m., in Texas and was investigated by the applicable city police department. The police completed a standard "Texas Peace Officer's Accident Report" and submitted a copy of the report to the state. This incident is of special interest because the Ford's driver backed the Ford into a pedestrian [38-year-old male] who sustained police-reported "B" (non-incapacitating-evident) injuries as a result of the impact. This contractor inspected the scene and the Ford, and interviewed the Ford's driver on March 21, 2007. An interview was conducted with the pedestrian on March 30, 2007. This report is based on the police crash report, inspections of the scene and the Ford, and interviews with the Ford's driver and the pedestrian.

SUMMARY

The Ford was parked heading west in a designated parking space directly across a parking lot access roadway from a bank. The Ford's driver had just left the bank, entered the Ford and was preparing to back up. Meanwhile, a southbound 2005 Dodge pickup truck pulled up to the curb in front of the bank directly behind the Ford. The front right passenger exited the Dodge and walked along the passenger side of the vehicle to retrieve his briefcase from the truck bed. The Ford's driver backed out of his parking space, did not look behind him or check his mirrors as he backed and backed into the pedestrian pinning him against the passenger side of the Dodge's truck bed. The pedestrian sustained minor injuries and was transported by ambulance to a hospital and was treated and released. A visibility study indicated that the Ford's driver could have seen the Dodge, and most likely the pedestrian, had he looked out of the Ford's backlight or checked his mirrors as he backed up.

CRASH CIRCUMSTANCES

Crash Environment: The Ford was parked in a bank parking lot (Figure 1). The bank was located on the east side of the parking lot access roadway, which traversed north and south in front of the bank. The Ford was parked in a designated parking space heading west directly across the roadway from the bank entrance. A car was parked in the parking space on each side of the Ford. All the designated parking spaces were oriented east-west. Parking was prohibited along the curb in front of the bank. The grade of the parking lot along the path of travel of the Ford was measured as 2% negative. The width of the parking lot access roadway was 7.2 meters (23.6 feet). At the time of the crash, the light condition



Figure 1: View east through Ford's parking space toward entrance to bank

was daylight, the atmospheric condition was clear, and the roadway pavement was dry concrete.

The site of the crash was urban commercial. See the Crash Diagram at end of this report.

Pre-Crash: The Ford's driver [82-year-old, male] was in the bank conducting business. He stated that he exited the bank, walked west across the roadway (Figure 1 above), approached the Ford from the passenger side rear and entered the Ford through the left front door. The driver stated he looked in his side view and rear view mirrors after he entered the Ford. The driver indicated he saw no vehicle's behind him. He indicated he did not look in the mirrors again. The driver estimated the elapsed time between entering the Ford and beginning to back up was in a range of 11 and 30 seconds. As the Ford's driver was preparing to back up, a red 2005 Dodge Ram pickup truck, which was traveling south in the access roadway (Figure 2), pulled up to the curb in front of the bank, stopped and the front right passenger exited the vehicle. The passenger stated that he walked to the rear passenger side of the truck to retrieve his briefcase from the truck bed. He was standing beside the rear passenger side of the Dodge facing northeast toward the truck bed when the incident occurred.



Figure 2: View north in parking lot access roadway, red arrow shows area where Dodge pulled up to curb and stopped, blue arrow shows location where Ford was parked



Figure 3: Overview

Crash: As the Dodge's front right passenger was

walking toward the rear passenger side of the Dodge, the Ford's driver began to back out of the parking space. As the Ford's driver backed up, he turned the steering wheel to the right to angle the Ford's back end to the northeast. This put the Ford on a converging trajectory with the pedestrian, who was facing away from the Ford at this time. The Ford driver's intent was to back out of the parking space far enough so he could then turn the steering wheel back to the left and proceed south out of the parking lot. The available information indicated that the Ford's driver did not look behind him or check his side view or rear view mirrors as he was backing up. The Ford's driver indicated that neither the Dodge or the pedestrian were behind him when he entered his vehicle and checked his side view and rear view mirrors. The Ford traveled backward approximately 5 meters (16.4 feet) from its parked position, and the back bumper (Figure 3) impacted the pedestrian's legs as he was retrieving his briefcase from the Dodge's truck bed. The impact pinned the pedestrian's legs against the passenger side truck bed. The Ford's driver estimated that the elapsed time from starting his back up maneuver to impact was approximately 5 seconds. The driver stated he realized he had struck something when he felt a "cushy" feeling and stopped. The pedestrian sustained only minor injury. The Ford's driver estimated the impact speed at approximately 3 km.p.h (2 m.p.h.). The circumstances indicated that the Ford's driver

was most likely completing his backing maneuver and was slowing the vehicle to stop in order to change gears and proceed forward when the incident occurred.

Post-Crash: The Ford's driver pulled his vehicle forward away from the pedestrian. The police crash report indicated that the pedestrian sustained a "B" (non-incapacitating-evident) injury and was transported by ambulance to a hospital.

CASE VEHICLE

The 1997 Ford Taurus was a front wheel drive, four-door sedan (VIN: 1FALP52U0VA-----) equipped with a 3.0L, V6 engine and automatic transmission. The Ford's back bumper was covered with a plastic bumper fascia with energy absorbing material between the bumper fascia and bumper bar. The distance from the ground to the bottom of the back bumper was 43 centimeters (16.9 inches). The Ford was equipped with no after-market equipment and was not equipped with any back up/parking aid. The Ford's wheelbase was 276 centimeters (108.7 inches). The rear overhang was 121 centimeters (47.6 inches) and the overall length was 502 centimeters (197.6 inches).

CASE VEHICLE DAMAGE

There was no evidence of pedestrian contact to the Ford's back bumper. However, based on the police crash report and the Ford driver's interview, a Collision Deformation Classification was estimated to be: **06-BLLU-1**. The Ford was driven from the scene. Due to the sequence of events in conducting this investigation and the time available for working with the elderly driver, this contractor was only able to acquire a few photographs of the case vehicle and was not able to obtain any interior sight line photographs.

CASE VEHICLE DRIVER

The Ford's driver was an 82-year-old male. The driver's height was 173 centimeters (68 inches) and his weight was 64 kilograms (142 pounds). The Ford's driver indicated he had driven the Ford more than 10 times in the last three months. He also indicated that he drives in the parking lot where the crash occurred several times a month.

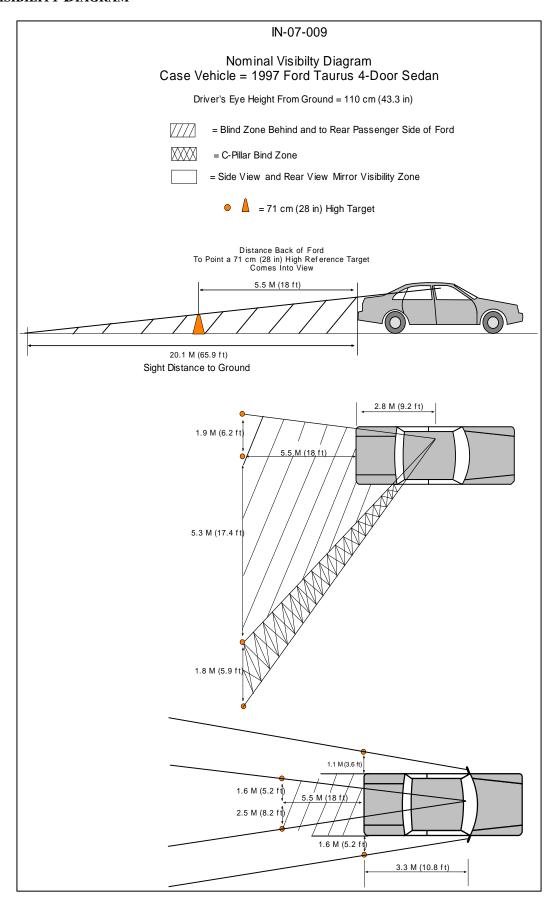
CASE VEHICLE VISIBILITY STUDY

A visibility study was conducted during the inspection of the Ford in order to determine the nominal blind zone behind and to the rear passenger side of the Ford as well as the nominal visibility zone of both side view mirrors and the rear view mirror. In addition, the nominal blind zone due to the right "C"pillar was also determined. A standard 71 centimeters (28 inches) tall target was used for all the visibility observations. The Ford's driver agreed to assist the SCI investigator in making the visibility observations. The Ford's driver sat in the driver's seat and had the seat track adjusted to the approximate middle position, which was his "normal" seat location. The driver's eye height was then measured and determined to be 110 centimeters (42.5 inches) above the ground. With the driver looking over his right shoulder and out the backlight,

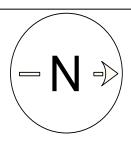
the target was moved rearward from the back of the Ford along the approximate centerline until the target came into the driver's view. The target had to be moved rearward from the Ford's back bumper 5.5 meters (18 feet) before the top of the target began to come into the driver's view. The target was then moved to the right from the approximate centerline to determine the lateral extent of the blind zone behind and to the right rear side of the Ford. The target had to be moved 5.3 meters (17.4 feet) right of the Ford's centerline before it went out of the driver's view due to the right "C"-pillar. The target was then moved left of the centerline 1.9 meters (6.2 feet) before it went out of the driver's view. The size of the nominal "C" pillar blind zone as well as the nominal field of view of the rear view mirror and side view mirrors were also determined. See the nominal visibility diagram at the end of this report for a depiction of all the visibility measurements. The visibility study indicated that the Ford's driver could have seen the Dodge, and most likely the pedestrian, had he looked out of the Ford's backlight or checked his mirrors as he backed up.

PEDESTRIAN

The pedestrian [38-year-old, male; 188 centimeters and 104 kilograms (74 inches, 230 pounds)] was reportedly wearing a heavy jacket, blue sweat pants, and gym shoes. The pedestrian sustained a police reported "B" injury and was transported by ambulance to a hospital and was treated and released for minor injuries to his lower legs.



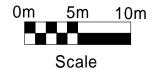
CRASH DIAGRAM IN-07-009

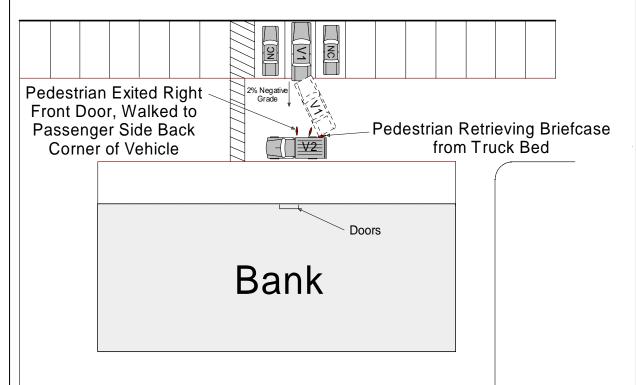


IN-07-009

Daylight, Clear Dry, Concrete Pavement Impact Location Estimated

V1 = 1997 Ford Taurus
Pedestrian's Vehicle (V2) = 2005 Red Dodge Ram
Pickup Truck





SCENE FORM

Special Crash Investigations Not In Traffic Surveillance

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

4. Oasa Namahan	SCENE INFORMATION
1. Case Number IDENTIFICATION 2. Date of Crash //	7. Type of area in which crash occurred (Select all that apply) O Single family residential O Row houses/townhouses O Multi family housing O Commercial O Industrial O Rural O Unknown
Time of Crash Code reported military time of crash.	8. Driver exterior sightline obstructions (Select all that apply)
NOTE: Midnight = 2400 Unknown = 9999	O None O Utility poles O Other vehicles O Signs O Building O Glare O Trees O Unknown
AMBIENT CONDITIONS	O Shrubbery O No driver present O Other (specify)
4. Light Conditions	9. Crash location
O Daylight O Dark O Dark O Dark but lighted O Dawn O Dusk O Unknown	O Driveway O Road / street O Parking Lot O Roadside / shoulder O Sidewalk O Other (specify) O Alley O Unknown O Intersection of driveway and sidewalk
5. Atmospheric Conditions (Select all that apply)	Non motorist sightline obstructions (Select all that apply)
O Clear-No adverse conditions O Cloudy O Rain O Snow O Fog, Smog, Smoke O Sleet, Hail (freezing rain or drizzle) O Blowing Snow O Severe Crosswinds O Blowing Sand, Soil, Dirt O Other (specify): O Unknown	O None O Other vehicles O Building O Trees O Shrubbery O Utility poles O Signs O Glare O Other (specify) O Unknown 11. Grade at parked position %
6. Temperature	
O Below 0 degrees Celsius (Below 32 F) O 1-10 degrees Celsius (33-50 F) O >10-24 degrees Celsius (51-75 F) O Over 24 degrees Celsius (Over 75 F) O Unknown	12. Estimated distance from parked position to impact

VEHICLE FORM

Special Crash Investigations Not In Traffic Surveillance

1. Case Number								
		VEHICLE IDEN	ITIFICATION					
2. VIN								
3. Model Ye	ear							
4. Vehicle N	Make (specify	y):			_			
5. Vehicle N	Model (specif	fy):		· · · · · · · · · · · · · · · · · · ·	_			
		GLAZ	ING					
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 D	АТА					
6. Vehicle	Manufactu	urer Recommended Tire Size _						
7. LF Tire	Size	9.	RF Tire Size					
8. LR Tire	Size	10.	RR Tire Size					

		Seats /		
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

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							
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)							

Rev September/2007

Back Up / Parking Aid Form

Special Crash Investigations Not In Traffic Surveillance

Case Number	Video image quality under scene lighting conditions
PARKING AID PRESENCE 2. Type of backing/parking aid present O OEM camera O OEM ultrasonic/radar sensor O OEM combination camera-ultrasonic/radar sensor O OEM Fresnel lens O OEM interior mirrors O Aftermarket camera O Aftermarket ultrasonic/radar sensor O Aftermarket rombination camera-ultrasonic radar sensor O Aftermarket Fresnel lens O Aftermarket interior mirrors	O None present O Good O Average O Poor (specify): O Unknown 8. Was the camera functioning properly O None present O Yes O No, poor image quality due to glare O No, poor image quality due to atmospheric conditions O No, camera turned off O No, camera inoperable O Unknown
O Aftermarket interior mirrors O Other (specify):	ULTRASONIC/RADAR SENSOR Specify object detection range on diagram
CAMERA INFORMATION Specify field of view measurements on diagram	9. System make/model
3. System make/model	10. Auditory warning illumination
4. Video monitor type O None present O LCD (color)	O No sensor present O Yes O No O Unknown 11. Number of sensors
O CRT (black & white) O Unknown	12. Sensor locations
5. Video display size cm (Diagonal) 6. Camera location O None present O Bumper O License plate	(Select all that apply) O No sensor present O Left bumper O Center bumper O Right bumper O License plate area O Tailgate/Hatch/Trunk
O Tailgate/Hatch/Trunk O Other (specify):	O No sensor present O Yes, system alerted driver O No, system did not alert driver O No, system turned off O No, system inoperable O Unknown

Spe	ecial Crash Investigations – Not In Traffic Surveill	ance:	Ва	ck Up	/ Park	ing Ai	d For	m	Pa	ige 2
14.	Did driver react to warning									
	O No sensor present O Yes O No O Unknown									
15.	Did driver report common false warnings									
	O No sensor present O Yes O No O Unknown									

Rev September/2007

DRIVER FORM

1. Case Number	10. Driver entry interruption (Select all that apply)
<u> </u>	O Direct trip from building to vehicle
DRIVER PROFILE	O Loaded items into vehicle O Spoke with family
2. Driver's Age 99 = Unknown	O Spoke with neighborsO Spoke with contacted nonmotorist
3. Driver's Sex O Male O Female O Unknown	O Return trip (backing into driveway/lot) O Other (specify): O N/A Unknown
4. Driver's Height cm 999 = Unknown	Purpose of backing Leaving parking space in parking lot
5. Driver's Weight kg 999 = Unknown	O Backing onto roadway from driveway O Entering parking space in parking lot O Backing into driveway from roadway
6. Driver eyewear worn (Select all that apply) O None O Eyeglasses O Sunglasses O Contacts	O Other (specify): O N/A Unknown 12. Where was driver going Description:
O Unknown 7. Driver vision deficiency condition	
(Select all that apply) O None O Near sighted	13. Driver in a hurry
O Far sighted O Astigmatism O Other (specify) O Unknown	O Yes N/A O No Unknown O Unknown
Non motorist's relationship to driver O No relationship O Child	14. How did driver check behind (rear area of vehicle) after vehicle entry (Select all that apply)
O Grandchild O Sibling	O Did not look O Checked mirrors
O Neighbor O Friend O Other (specify):	O Turned right and looked back O Turned left and looked back Viewed Camera
O Unknown DRIVER ACTIONS	Listened for auditory/visual warning from system
Driver approach to vehicle for entry From left front	O Other (specify): N/A Unknown
O From left O From left rear O From right rear O From right front O Circled vehicle	Estimated time between vehicle entry and start of backing
O Return trip (backing into driveway/lot) O Other (specify): O N/A O Unknown	O 0-10 Seconds O 11-30 Seconds O 31-60 Seconds Unknown

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

Non Motorist Form

Special Crash Investigations Not In Traffic Surveillance

1.	Case Number		11. Non-motorist motion
2		nths	 O Not moving O Walking slowly O Walking rapidly O Running or jogging O Skipping/Hopping/Jumping
	99 = Unknown Non-motorist's Sex O Male	ars	O Falling/Stumbling/Rising O On skates/skateboard O On bike/scooter
	O Female O Unknown		O Other (specify): O Unknown
4.	Non-motorist's Height cm 999 = Unknown		12. Non-motorist approach relative to rear of vehicleO Stationary
5.	Non-motorist's Weight kg 999 = Unknown		O From left O From right
6.	Medical outcome		O From behind O Other (specify): O Unknown
	O Not injured O ER only O Hospitalized 1-4 days		13. Non-motorist first avoidance action
	O Hospitalized 5 days or more O Treatment later O Fatal		O No avoidance actionsO StoppedO Accelerated pace
7.	O Unknown Source of most severe injury		O Ran away (along vehicle path) O Jumped O Turned away from vehicle
	Bumper O Tire O Undercarriage O Other Specify:		O Turned toward vehicle and braced O Dove or fell away from vehicle O Other (specify): O Unknown
	O Ground O N/A Unknown		14. Non-motorist primary focus of attention
8.	Non-motorist impairment (Select all that apply) O No drugs or alcohol present		O Striking vehicle O Play object O Person
	O Positive for alcohol (specify BAC): O Positive for drugs (specify):		O Surrounding traffic O Animal
9.	O Unknown Source of alcohol/drug results		O Handheld electronic (phone, MP3 player, etc.) O Other Object (specify) O Unknown
	Police reported Medical Report O Other (specify)		15. Were any other Non-motorists present? (Select all that apply)
	O Not Tested O Unknown if tested		O Alone
	NON-MOTORIST ACTIONS		O One adult present O One other child present O Multiple adults present
10	Non-motorist attitude		O Multiple addits present O Multiple children present O Unknown
	O Standing O Bending at waist O Sitting O Crouching O Kneeling O On skates/skateboard O On bike/scooter O Other (specify) O Unknown		

NON MOTORIST CLOTHING

NOTES:

White

• Specify Color, Fabric and Texture/Weight for outermost layer only

Other (specify)

- Indicate "NONE" if applicable
- Available codes:

Colo	o <u>rs</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				

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