Pedestrian SIR-Highway Accident Brief

Attachment 6: Pedestrian Crash Investigation Data sheet

Manhattan, New York #2

HWY17SH006

(10 pages)

Pedestrian Crash Investigation Data

☐ **FIRST: Identify all overhead wires, and sketch on rough scene diagram where you can and cannot use GoPro extension pole.**

1.0 SCENE

1.1 Crash Location

1.1.1 Town: Manhattan

1.1.2 State: New York City

1.1.3 Route name: Water Street

1.1.4 Route number: _____

1.1.5 Milepost: _____

1.1.6 Speed limit: 25

1.1.7 Number travel lanes: 6

1.1.8 Road type *(See binder for definitions)*:

○ Interstate ○ Expressway ◉ Arterial ○ Collector ○ Local

1.1.9 Road department: ◉ City ○ County ○ State ○ Federal

1.1.10 Roadway alignment *(e.g., curved right or left, straight, etc.)*:

Straight

1.1.11 Sidewalk: ◉ Yes ○ No

1.1.12 Marked crosswalk: ◉ Yes ○ No

1.1.13 Describe roadside terrain: Urban city

1.1.14 Intersection: ◉ Yes ○ No

If yes, name cross street: Whitehall Street

1.1.15 GPS latitude: 40.702663

1.1.16 GPS longitude: -74.012886

1.2 Date of crash: October 21, 2016

1.3 Local time: 5:30 p.m. EDT

1.4 Weather conditions: Sunny, clear

☐ 1.5 PROVIDE Scene diagram (*Send .pdf attachment*) of locations of the victim and vehicle along with any evidence showing the path of travel for the pedestrian and the vehicle. Note anything unusual about roadway surface or defects. Label diagram, and provide GoPro scan of vehicle and immediate highway location (could be two separate scans).

Listed below are suggestions for inclusion in the scene diagram.

1.5.1 Roadway point of impact (lighter objects typically land closer to impact area)

1.5.2 Area body first strikes the ground – point of first landing

1.5.3 Distance from point of impact to rest (total post-impact displacement)

1.5.4 Distance traveled in the air

1.5.5 Distance slid along the road/ground (ignore skid skips)

1.5.6 Pre and post impact length of vehicle skid marks

1.5.7 Angle between skid marks of vehicle and final rest position

1.5.8 Location of any victim personal effects and body evidence

Need data for calculating speeds and doing a time distance analysis. Suggest using .70 unless reasons lead to another value.

1.6 Describe other roadway evidence *(e.g., skid marks, ABS evidence, tire prints, surface scrapes, glass, vehicle parts, etc.)*:

None

1.7 Document any traffic control devices in the vicinity:

1. Signalized intersection with incorporated pedestrian "Walk" phases
2. Marked Crosswalks

1.8 Describe surrounding features (e.g., s*chool zone, housing development, urban, industrial, rural, etc.)*:

Urban city, highly populated area that experiences high volumes of pedestrian and vehicular traffic at all hours of the day.
Commercial businesses and a large urban park are adjacent to intersection.
Churches and tourist attractions in the vicinity.

1.9 Crash Type *(From FHWA PBCAT – Ped Bike Crash Analysis Tool. See binder for 3-digit code.)*: 730/341

1.9.1 Motorist direction:

◯ Northbound ◉ Southbound ◯ Eastbound ◯ Westbound ◯ Unknown

1.9.2 Motorist maneuver: ◯ Left turn ◯ Right turn ◉ Straight ◯ Unknown

1.9.3 Leg of intersection: ◉ Nearside ◯ Far side ◯ Unknown

1.9.4 Pedestrian direction:

◯ Northbound ◯ Southbound ◯ Eastbound ◉ Westbound ◯ Unknown

1.10 Number/letter code of intersection diagram in relation to movement of vehicle and pedestrian. *(See binder for diagrams.)*: 3a

1.11 Timelines for both driver and pedestrian (24-hour or right before the crash):

Time-line for the pedestrian was not available.

MTA transit driver reported to work at 6:00 a.m. on the day of the crash. The driver works from approximately 6:00 a.m. to 7:30 p.m. each day, Monday-Friday with Saturday and Sunday as his regularly scheduled days off. This was the last scheduled work day for the driver before his two days off.

1.12 Conspicuity analysis or evidence of obstructed view for both driver and pedestrian (environmental light conditions, dark clothing, area lighting, parked cars, utility poles, trees, etc.) Consider videotaping relatively same size person dressed similarly at same time of day.

Conspicuity is not a factor in this crash. The driver's view was not obstructed.

☑ 1.13 PROVIDE police report (include 911 call time)

☑ 1.14 PROVIDE past crash history at same location and along road segment (5 years from state DOT or local)

2.0 PEDESTRIAN

2.1 Number of pedestrians *(NOTE: If more than one pedestrian was involved in the crash, open new form and complete this section for each additional pedestrian.):* 1

2.2 Victim age or date of birth (DOB): 58

2.3 Victim sex: Female

2.4 Victim race: White

2.5 Alcohol involved: ○ Yes ◉ No ○ Unknown

2.6 Drug involved: ○ Yes ◉ No ○ Unknown

2.7 Victim height: 4'10

2.8 Body measurements

2.8.1 From heels to knees: Unable to obtain

2.8.2 From heels to hips: S/A

2.8.3 From heels to navel: S/A

2.8.4 From heels to shoulders: S/A

2.9 Victim's height: 4'10

2.10 Describe victim evidence on scene (including side of impact and any evidence of secondary impact with vehicle and ground, clothing, shoes, personal effects, cell phone, body parts, body fluids, etc.).

Pedestrian was struck by the right front bumper just to the right of the center mid-line of the transit bus. Evidence of dragging. Body fluid (blood) present. A portion of the victim's skull was found at the intersection of Water Street and State Street. The victim's body was entangled in the third axle and was removed by the FDNY at the intersection of Trinity Place and Edgar Street.

2.11 Was there evidence of the body being run over? ◉ Yes ○ No

2.12 Cell phone recovered: ◉ Yes ○ No

2.13 If yes, location of cell phone: ○ Pocket ○ Bag ○ Apart from body

2.14 Final pedestrian position: ○ Intersection ○ Crosswalk ◉ Travel lane ○ Shoulder ○ Sidewalk ○ Driveway ○ Non-roadway

2.15 Pedestrian impact kinematics *(See binder for definitions.)*:

◯ Wrap ◯ Forward projection ◯ Fender vault ◯ Somersault

◯ Roof vault ◉ Dragged

2.16 Injury description; characterize blunt force trauma as (*Select as many as apply*):

☑ Contusions ☑ Fractures ☑ Lacerations ☑ Abrasions

Describe injuries:

Blunt impact trauma to the head, crushed and comminuted skull fracture
Avulsion of face, scalp, eyes, tongue and brain
Trans-section of trachea and esophagus
Fractures, lacerations, abrasions clavicle, lungs, scapula, liver, neck, lower and upper extremities.

☐ 2.17 PROVIDE hospital medical records

☑ 2.18 PROVIDE toxicology report

☐ 2.19 PROVIDE victim's cell phone use records

☑ 2.20 PROVIDE autopsy or medical examiners report (including impact locations, internal injuries, head injuries, broken bones, tension wedge fracture in the leg)

3.0 VEHICLE

3.1 Hit and run: ◯ Yes ◉ No

3.2 Driver age or date of birth (DOB) : 63

3.3 Driver sex: Male

3.4 Driver race: white

3.5 Alcohol involved: ◯ Yes ◉ No ◯ Unknown

3.6 Drug involvement: ◯ Yes ◉ No ◯ Unknown

3.7 Driver injury: ○ Yes ◉ No If injured, describe:

N/A

3.8 Driver citation: ◉ Yes ○ No If cited, describe charges:

Failure to exercise care

3.9 Driving history:

In the last 24 months, driver has been involved in five collisions in a transit bus. Two of the incidents were deemed preventable, two non-preventable and one still under consideration. The driver was reported to MTA four times for Reckless Driving in a bus. The driver had two speeding convictions. Driver underwent 3 mandatory check rides.

☐ 3.10 PROVIDE driver cell phone records

3.11 Vehicle make and model: 2006 MCI transit bus

3.12 Vehicle estimated original speed before crash: [redacted]

3.13 Vehicle speed at impact: [redacted]

☑ 3.14 PROVIDE vehicle photographs *(8-profile, all 4 sides, all 4 corners, and damage photographs as a series of progressively closer shots.)*

3.15 Describe vehicle *(e.g., mechanical condition, vehicle damage and debris, glass broken, molding and components missing, paint fragments, antenna, wipers, parts numbers).*

No damage to striking transit bus.

Post crash inspection revealed no mechanical defects and the service brakes were found to be operational.

3.16 If vehicle is already impounded, was it moved by: ○ Flatbed ◉ Towed

3.17 Vehicle measurements

3.17.1 Bumper height from ground to bottom of bumper: 12"

3.17.2 Bumper height from ground to top of bumper: 25 1/2"

3.17.3 Calculate bumper lead angle: 0

3.17.4 Height of hood from ground to front edge: 0

3.17.5 Height ~~of hood at intersection with~~ FROM GROUND TO bottom of windshield: 63 1/2"

3.17.6 ~~Length of hood from leading~~ HEIGHT OF WINDSHIELD FROM TOP edge to bottom of windshield: 49"

3.17.7 ~~Distance from leading edge of hood to top of windshield:~~ TRANSIT BUS WIDTH 8'5"

3.17.8 Height of the roof: 11'3 1/2"

3.18 Airbag release: ○ Yes ◉ No

☐ ~~3.19 PROVIDE airbag module for data download~~ N/A

☑ 3.20 PROVIDE video records from surrounding vehicles or buildings