



- 1. Primary Sampling Unit Number _____
- 2. Case Number - Stratum _____
- 3. Vehicle Number _____

OTHER MOTOR VEHICLE IN LANE

- (50) Other vehicle stopped
- (51) Traveling in same direction with lower steady speed
- (52) Traveling in same direction while decelerating
- (53) Traveling in same direction with higher speed
- (54) Traveling in opposite direction
- (55) In crossover
- (56) Backing
- (59) Unknown travel direction of other motor vehicle in lane

OTHER MOTOR VEHICLE ENCROACHING INTO LANE

- (60) From adjacent lane (same direction) – over left lane line
- (61) From adjacent lane (same direction) – over right lane line
- (62) From opposite direction - over left lane line
- (63) From opposite direction - over right lane line
- (64) From parking lane
- (65) From crossing street, turning into same direction
- (66) From crossing street, across path
- (68) From crossing street, intended path not known
- (70) From driveway, turning into same direction
- (71) From driveway, across path
- (72) From driveway, turning into opposite direction
- (73) From driveway, intended path not known
- (74) From entrance to limited access highway
- (78) Encroachment by other vehicle - details unknown

PEDESTRIAN, PEDALCYCLIST, OR OTHER NONMOTORIST

- (80) Pedestrian in roadway
- (81) Pedestrian approaching roadway
- (82) Pedestrian - unknown location
- (83) Pedalcyclist or other nonmotorist in roadway (specify): _____
- (84) Pedalcyclist or other nonmotorist approaching roadway (specify): _____
- (85) Pedalcyclist or other nonmotorist - unknown location (specify): _____

OBJECT OR ANIMAL

- (87) Animal in roadway
- (88) Animal approaching roadway
- (89) Animal - unknown location
- (90) Object in roadway
- (91) Object approaching roadway
- (92) Object - unknown location

OTHER

- (93) This vehicle not involved in first harmful event
- (98) Other critical precrash event (specify): _____
- (99) Unknown

- 6. Critical Reason For The Critical Event _____
- (000) Critical event not coded to this vehicle

DRIVER RELATED FACTOR

- Critical Non-Performance Errors*
- (100) Sleep, that is, actually asleep
- (101) Heart attack or other physical impairment of the ability to act
- (108) Other critical non-performance (specify): _____
- (109) Unknown critical non-performance

PRECRASH EVENT RELATED DATA

- 4. Pre-Event Movement (Prior to Recognition of Critical Event) _____
- (00) No driver present
- (01) Going straight
- (02) Decelerating in traffic lane
- (03) Accelerating in traffic lane
- (04) Starting in traffic lane
- (05) Stopped in traffic lane
- (06) Passing or overtaking another vehicle
- (07) Disabled or parked in travel lane
- (08) Leaving a parking position
- (09) Entering a parking position
- (10) Turning right
- (11) Turning left
- (12) Making a U-turn
- (13) Backing up (other than for parking position)
- (14) Negotiating a curve
- (15) Changing lanes
- (16) Merging
- (17) Successful avoidance maneuver to a previous critical event
- (98) Other (specify): _____
- (99) Unknown

- 5. Critical Precrash Event _____
- THIS VEHICLE LOSS OF CONTROL DUE TO:**

- (01) Blow out or flat tire
- (02) Stalled engine
- (03) Disabling vehicle failure (e.g., wheel fell off) (specify): _____
- (04) Non-disabling vehicle problem (e.g., hood flew up) (specify): _____
- (05) Poor road conditions (puddle, pot hole, ice, etc.) (specify): _____
- (06) Traveling too fast for conditions
- (07) Jackknife event
- (08) Cargo shift
- (18) Other cause of control loss (specify): _____
- (19) Unknown cause of control loss

THIS VEHICLE TRAVELING

- (20) Over the lane line on left side of travel lane
- (21) Over the lane line on right side of travel lane
- (22) Off the edge of the road on the left side
- (23) Off the edge of the road on the right side
- (24) End departure
- (25) Turning left at intersection
- (26) Turning right at intersection
- (27) Crossing over (passing through) intersection
- (28) This vehicle decelerating
- (29) Unknown travel direction

PRECRASH EVENT RELATED DATA**DRIVER RELATED FACTOR (cont.)***Recognition Errors*

- (110) Inattention (i.e., daydreaming)
- (111) Internal distraction
- (112) External distraction
- (113) Inadequate surveillance (e.g., failed to look, looked but did not see)
- (118) Other recognition error (specify): _____
- (119) Unknown recognition error

Decision Errors

- (120) Too fast for conditions to be able to respond to unexpected actions of other road users (specify condition): _____
- (121) Too slow for traffic stream
- (122) Misjudgment of gap or other's speed
- (123) Following too closely to respond to unexpected actions
- (124) False assumption of other road user's actions
- (125) Illegal maneuver
- (126) Failure to turn on head lamps
- (127) Inadequate evasive action, e.g., braking only, not braking and steering
- (128) Aggressive driving behavior
- (138) Other decision error (specify): _____
- (139) Unknown decision error

Performance Errors

- (141) Panic/Freezing
- (142) Overcompensation
- (143) Poor directional control, e.g., failing to control vehicle with skill ordinarily expected
- (148) Other performance error (specify): _____
- (149) Unknown performance error
- (199) Type of driver error unknown

VEHICLE RELATED FACTOR

- (200) Tires/wheels failed
- (201) Brakes failed
- (202) Steering failed
- (203) Cargo shifted
- (204) Trailer attachment failed
- (205) Suspension failed
- (206) Lights failed
- (207) Vehicle related vision obstructions
- (208) Body, doors, hood failed
- (209) Jackknifed
- (298) Other vehicle failure (specify): _____
- (299) Unknown vehicle failure

ENVIRONMENT RELATED FACTOR*Highway Related*

- (500) Signs/signals missing
- (501) Signs/signals erroneous/defective
- (502) Signs/signals inadequate
- (503) View obstructions by roadway design/furniture
- (504) View obstructed by other vehicles
- (505) Road design - roadway geometry (e.g., ramp curvature)
- (506) Road design - sight distance
- (507) Road design - other
- (508) Maintenance problems (potholes, deteriorated road edges, etc.)
- (509) Slick roads (low friction road surface due to ice, loose debris, any other cause)
- (518) Other highway-related condition (specify): _____

Weather Related

- (521) Rain, snow
- (522) Fog
- (523) Wind gust
- (528) Other weather-related condition (specify): _____

Other

- (530) Glare
- (531) Blowing debris
- (538) Other sudden change in ambience (specify): _____
- (999) Unknown reason for critical event

- 7. Attempted Avoidance Maneuver _____
 - (00) No driver present
 - (01) No avoidance maneuver
 - (02) Braking (no lockup)
 - (03) Braking (lockup)
 - (04) Braking (lockup unknown)
 - (05) Releasing brakes
 - (06) Steering left
 - (07) Steering right
 - (08) Braking and steering left
 - (09) Braking and steering right
 - (10) Accelerating
 - (11) Accelerating and steering left
 - (12) Accelerating and steering right
 - (98) Other action (specify): _____
 - (99) Unknown
- 8. Pre-Impact Stability _____
 - (0) No driver present
 - (1) Tracking
 - (2) Skidding longitudinally - rotation less than 30 degrees
 - (3) Skidding laterally - clockwise rotation
 - (4) Skidding laterally - counterclockwise rotation
 - (7) Other vehicle loss-of-control (specify): _____
 - (9) Pre-crash stability unknown
- 9. Pre-Impact Location _____
 - (0) No driver present
 - (1) Stayed in original travel lane
 - (2) Stayed on roadway but left original travel lane
 - (3) Stayed on roadway, not known if left original travel lane
 - (4) Departed roadway
 - (5) Remained off roadway
 - (6) Returned to roadway
 - (7) Entered roadway
 - (9) Unknown
- 10. Crash Type _____

(Note: Applicable codes on back of this page)

 - (00) No impact
 - Code the number of the diagram that best describes the crash circumstance
 - (98) Other crash type (specify): _____
 - (99) Unknown
- 11. Right-Of-Way _____

Did this vehicle have the right-of-way?

 - (1) Yes
 - (2) No
 - (7) Not applicable
 - (9) Unknown

Accident Types (insert)

KEY PRECRASH EVENT CHARACTERISTICS**Jackknife Event**

12. Type Of Jackknife Event _____
- (0) No precrash jackknife
 - (1) Tractor jackknife
 - (2) Trailer swing
 - (7) Not applicable
 - (9) Unknown

13. Circumstances In Which _____ / _____ / _____
Event Occurred
- (Code up to three circumstances)
- (00) No precrash jackknife
 - (01) Traversing a curve
 - (02) Completing turn
 - (03) Traversing a straight section
 - (04) Completing avoidance maneuver
 - (05) Driving at constant velocity
 - (06) Accelerating
Decelerating
 - (07) Throttle input only
 - (08) Light braking
 - (09) Moderate braking
 - (10) Heavy braking
 - (97) Not applicable
 - (99) Unknown

14. Source Of Jackknife Impetus _____
- (0) No precrash jackknife
 - (1) Steering input
 - (2) Braking input
 - (3) Steering and braking input
 - (4) Environmental condition (specify): _____
 - (5) Vehicle condition (specify): _____
 - (7) Not applicable
 - (8) Combination of sources (specify): _____
 - (9) Unknown

15. Vehicle Location (At Start Of Jackknife) _____
- (0) No precrash jackknife
 - (1) On roadway
 - (2) On shoulder
 - (3) On roadside
 - (4) On median
 - (7) Not applicable
 - (9) Unknown

16. Direction Of Rotation _____
- (0) No precrash jackknife
 - (1) Clockwise
 - (2) Counterclockwise
 - (7) Not applicable
 - (9) Unknown

Cargo Shift Event

17. Type Of Cargo Shift Event _____
- (0) No precrash cargo shift
 - (1) Boxed general freight (solids)
 - (2) Bulk freight (containerized)
 - (3) Bulk freight (not containerized)
 - (4) Large objects (solids)

Cargo Shift Event (cont.)

- (5) Tank - solids
- (6) Tank - liquids
- (7) Not applicable
- (8) Other (specify): _____
- (9) Unknown

18. Circumstances In Which _____ / _____ / _____
Event Occurred
- (Code up to three circumstances)
- (00) No precrash cargo shift
 - (01) Traversing a curve
 - (02) Completing turn
 - (03) Traversing a straight section
 - (04) Completing avoidance maneuver
 - (05) Driving at constant velocity
 - (06) Accelerating
Decelerating
 - (07) Throttle input only
 - (08) Light braking
 - (09) Moderate braking
 - (10) Heavy braking
 - (97) Not applicable
 - (99) Unknown

19. Cargo Shift Associated With _____ / _____ / _____
With
- (Code up to three elements)
- (00) No precrash cargo shift
 - Solids*
 - (01) Improper loading (general freight)
 - (02) Improper loading (bulk freight)
 - (03) Inadequate securement (no. of tie downs)
 - (04) Inadequate securement (strength of tie downs)
 - (08) Other source (specify): _____
 - Liquids (Tanks)*
 - (11) Less than full load (slosh)
 - (12) Baffle failure (specify): _____
 - (13) Compartment partition failure (specify): _____
 - (14) Tank failure (specify): _____
 - (18) Other (specify): _____
 - Other Cargo Types*
 - (21) Specify shift source: _____
 - (97) Not applicable
 - (99) Unknown

20. Vehicle Location At Start Of Cargo Shift _____
- (0) No precrash cargo shift
 - (1) On roadway
 - (2) On shoulder
 - (3) On roadside
 - (4) On median
 - (7) Not applicable
 - (9) Unknown

21. Precrash Cargo Spillage _____
- (0) No precrash cargo shift
 - (1) Yes (specify): _____
 - (2) No
 - (7) Not applicable
 - (9) Unknown

CRITICAL EVENT ASSOCIATED FACTORS

Code all factors that apply. Selection does not imply that the factor contributed to the crash.

DRIVER RELATED PHYSICAL FACTORS

22. Alcohol Use _____
- (00) No physical factors
Code BAC test results.
(decimal implied before first digit – 0..xx)
- (94) Test refused
(95) None given
(96) AC test performed, results unknown
(97) Not applicable
(98) No driver present
(99) Unknown

- Source Of BAC Test Result _____
- (0) No physical factors
(1) Police reported
(2) Company reported
(7) Not applicable
(8) Other (specify): _____
(9) Unknown

- Time Delay (between crash and BAC test)
_____ : _____ (hours:minutes)
- 00:00 No physical factors
97:97 Not applicable
99:99 Unknown

23. Illegal Drug Use _____ / _____ / _____
- (00) No additional physical factors
(Code up to three drugs.)
- (01) Amphetamine
(02) Cocaine
(03) Crack Cocaine
(04) Hashish
(05) Heroin
(06) Lysergic Acid Diethylamide (LSD)
(07) Marijuana
(08) Methadone
(09) Methamphetamine
(10) Morphine
(11) Opium
(12) Phencyclidine (PCP)
(13) Pentobarbital/Secobarbital
(14) Tetrahydrocannabinol (THC)
(97) Not applicable
(98) Other (specify): _____
(99) Unknown

- Code drug test results. _____
- (00) No additional physical factors
(94) Test refused
(95) None given
(96) AC test performed, results unknown
(97) Not applicable
(98) No driver present
(99) Unknown

24. Over-The-Counter Medication Use _____ / _____
- (00) No additional physical factors
(Code up to two drugs.)
- (01) Advil
(02) Advil cold medicine
(03) Bayer aspirin
(04) Ibuprofen

24. Over-The-Counter Medication Use (cont.)
- (05) Laxative
(06) Meijer Aspirin Free
(07) Motrin
(08) Nodose
(09) Perrigo
(10) Sudafed
(11) Travis D
(12) Tylenol
(13) Tylenol PM
(14) Vicks Nyquil
(15) Vitamins
(97) Not applicable
(98) Other (specify): _____
(99) Unknown

25. Prescription Medication Use _____ / _____ / _____
- (00) No additional physical factors
(Code up to three drugs.)
- (01) Accupril-BP
(02) Albuterol
(03) Allegra-D
(04) Azatriphine
(05) Biotin
(06) Butalbital
(07) Calan Effexor
(08) Captopril
(09) Claritin-D
(10) Cortone Acetate
(11) Coumadin
(12) Cylert
(13) Diabeta
(14) Diovan
(15) Darvocet
(16) Dilantin
(17) Fastin
(18) Fexofenadine
(19) Glucophage
(20) Glynase
(21) Lexxel
(22) Lipitor
(23) Lotrel
(24) Mevacor
(25) Naprosyn
(26) Norvasc
(27) Orudis
(28) Parlodel
(29) Penicillin
(30) Pravachol
(31) Premarin
(32) Prozac
(33) Sular Prylosac
(34) Tenormin
(35) Topoxol
(36) Tylenol/Codeine
(37) Vasotec
(38) Ziac
(39) Zestril
(97) Not applicable
(98) Other (specify): _____
(99) Unknown

DRIVER RELATED PHYSICAL FACTORS

26. Driver Fatigue _____
- (01) Driver fatigued _____
- (02) Driver not fatigued _____
- (98) No driver present _____
- (99) Unknown if driver fatigued _____

Current Sleep Condition

Hours of last sleep: _____ : _____ (hours : minutes)

Start time of sleep interval (Military Time)
_____ : _____ (hours : minutes)

End of sleep interval (Military Time)
_____ : _____ (hours : minutes)

If hours of last sleep were less than four hours, record hours of last main sleep (i.e., > four hours)
_____ : _____ (hours : minutes)

Start of main sleep interval (military time)
_____ : _____ (hours : minutes)

End of main sleep interval (military time)
_____ : _____ (hours : minutes)

Hours since last sleep:
_____ : _____ (hours : minutes)

Hours driving since last 8-hour break:
_____ : _____ (hours : minutes)

Hours on duty since last 8-hour break:
_____ : _____ (hours : minutes)
97:97 Not applicable
98:98 No driver present
99:99 Unknown

Hours of Main Sleep Related To: _____

(1) Work schedule _____

(2) Social schedule _____

(3) Personal problems _____

(4) Family problems _____

(5) Illness _____

(7) Not applicable _____

(8) Other (specify): _____

(9) Unknown _____

Preceding Seven Day Sleep Pattern:

Longest length of daily sleep
_____ : _____ (hours : minutes)

Shortest length of daily sleep
_____ : _____ (hours : minutes)

Average length of daily sleep
_____ : _____ (hours : minutes)
98:98 No driver present
99:99 Unknown

Did the time at which the driver began to sleep rotate/shift during the seven day interval? _____
(e.g., rotating shift schedule)

- (1) Yes (specify): _____
- (2) No _____
- (7) Not applicable _____
- (9) Unknown _____

Preceding Seven Day Sleep Pattern Related To: _____

- (1) Work schedule _____
- (2) Social schedule _____
- (3) Personal problems _____
- (4) Family problems _____
- (5) Illness _____
- (7) Not applicable _____
- (8) Other (specify): _____
- (9) Unknown _____

Work Schedule

Hours worked on day of crash
_____ : _____ (hours : minutes)

Hours worked on primary job during seven day interval preceding crash
Longest work day
_____ : _____ (hours : minutes)

Shortest work day
_____ : _____ (hours : minutes)

Average work day
_____ : _____ (hours : minutes)
98:98 No driver present
99:99 Unknown

Total hours worked
_____ : _____ (hours : minutes)
998:98 No driver present
999:99 Unknown

Hours worked on second job during the seven day interval preceding crash

Total hours worked
_____ : _____ (hours : minutes)
97:97 Not applicable
98:98 No driver present
99:99 Unknown

Other fatigue factors _____

- (1) Strenuous recreational activities _____
- (2) Strenuous non-work activities _____
- (3) Diagnosed sleep apnea _____
- (7) Not applicable _____
- (8) Other (specify): _____
- (9) Unknown _____

DRIVER RELATED PHYSICAL FACTORS

27. Illness _____
- (0) No additional physical factors
 (1) Heart attack
 (2) Seizure (epilepsy related)
 (3) Seizure (other source)
 (4) Blackout (diabetes related)
 (5) Blackout (other source)
 (6) Severe cold/flu symptoms
 (7) Not applicable
 (8) Other (specify): _____
 (9) Unknown
28. Vision Problem _____
- (0) No additional physical factors
 (1) Legal blindness
 (2) Myopic (near-sighted) condition
 (3) Hyperopic (far-sighted) condition
 (4) Glaucoma
 (7) Not applicable
 (8) Other (specify): _____
 (9) Unknown
 Corrected vision level _____ / _____
 Code standard vision level descriptor
 (e.g. 20/20, 20/40, etc.) (97/97) Not applicable
 (99/99) Unknown
29. Other Physical Factors _____
- (0) No additional physical factors
 (Code all that apply.)
 (1) Hearing impairment
 (2) Prosthesis (specify): _____
 (3) Paraplegia
 (7) Not applicable
 (8) Other (specify): _____
 (9) Unknown

DRIVER RELATED RECOGNITION FACTORS

30. Inattention _____
- (0) No recognition factors
 Nature of thought focus
 (1) Personal problem
 (2) Family problem
 (3) Financial problem
 (4) Preceding argument
 (5) Future event (e.g., vacation, wedding, etc.)
 (7) Not applicable
 (8) Other (specify): _____
 (9) Unknown
31. Distracted by Conversation _____
- (0) No additional recognition factors
 (1) Conversing with passenger
 (2) Talking on phone
 (3) Talking on CB radio
 (7) Not applicable
 (8) Other (specify): _____
 Nature of relationship between driver and
 person the driver was conversing with: _____
 (00) No additional recognition factors
 (01) No relationship/stranger
 (02) Business
 (03) Social (friend)
 (04) Boyfriend/girlfriend
 (05) Husband/wife

31. Distracted by Conversation (cont.) _____
- (06) Driver/co-driver
 (77) Parent/child
 (97) Not applicable
 (98) Other (specify): _____
 (99) Unknown
- Nature of the discussion: _____
- (0) No additional recognition factors
 (1) Business
 (2) Social
 (3) Family matter
 (4) Argument
 (5) Disciplinary
 (7) Not applicable
 (8) Other (specify): _____
 (9) Unknown
32. Distracted by Other Interior Factors _____
- (0) No additional recognition factors
 (1) By movement/actions of other occupants
 (2) While dialing/hanging up phone
 (3) While adjusting radio/CD player
 (4) While adjusting other vehicle controls
 (5) While retrieving object from floor and/or seat
 (6) While retrieving object from other location
 (7) Not applicable
 (8) Other (specify): _____
 (9) Unknown
33. Distracted by Outside Person, Object, or Event _____
- (0) No additional recognition factors
 Specific sources include:
 (1) Looking at previous crash
 (2) Looking at approaching traffic
 (3) Looking for street address
 (4) Looking at outside person
 (5) Looking at building
 (6) Unspecified outside focus
 (7) Not applicable
 (8) Other (specify): _____
 (9) Unknown
 Location of distraction source with respect to driver _____
 (0) No additional recognition factors
 (1) Forward
 (2) Forward, left
 (3) Forward, right
 (4) Left
 (5) Right
 (6) Rearward
 (7) Not applicable
 (8) Other (specify): _____
 (9) Unknown
 If distraction source was located rearward of the driver,
 how did the driver track this source? _____
 (0) No additional recognition factors
 (1) Turned head
 (2) Used rearview mirror
 (3) Used side mirror
 (7) Not applicable
 (8) Other (specify): _____
 (9) Unknown

DRIVER RELATED RECOGNITION FACTORS

34. Inadequate Surveillance _____
- (0) No additional recognition factors
Failed to look:
- (1) Far enough ahead
(2) Either side ahead
(3) To side
(4) To rear (mirrors)
(5) Other (specify): _____
(6) Looked, but did not see
(7) Not applicable
(8) Other (specify): _____
(9) Unknown
- Was this driver's sight line to the other vehicle clear? _____
- (0) No additional recognition factors
(1) Yes
(2) No, view obstructed by roadway curvature or grade
(3) No, view obstructed by roadside appurtenance
(4) No, view obstructed by intervening vehicle
(7) Not applicable
(8) Other (specify): _____
(9) Unknown
- Was the driver's view of the other vehicle obscured? _____
- (0) No additional recognition factors
(1) Yes, obscured by sunglare
(2) Yes, obscured by headlight glare
(3) Yes, obscured by other glare (specify): _____
(4) Yes, obscured by dark (nighttime) viewing condition
(5) No
(7) Not applicable
(8) Yes, obscured by other condition (specify): _____
(9) Unknown
- Was this driver in a hurry prior to crash occurrence? _____
- (0) No additional recognition factors
(1) Yes (specify): _____

(2) No
(7) Not applicable
(9) Unknown
- Was this driver required to stop prior to crash occurrence? _____
- (0) No additional recognition factors
(1) Yes, traffic control device (TCD)
(2) Yes, other reason (specify): _____

(3) No
(7) Not applicable
(9) Unknown
- Period of time stopped prior to entering intersection and/or initiating turn _____
- (00) No additional recognition factors
(01) Traveling at constant velocity
(02) Decelerated, did not stop
(03) Rolling stop prior to proceeding
(04) Stopped <1 second prior to proceeding
(05) Stopped 1-2 seconds prior to proceeding
(06) Stopped 3-5 seconds prior to proceeding
(07) Stopped more than 5 seconds prior to proceeding
(97) Not applicable
(99) Unknown

35. Other Recognition Factors _____
- (0) No additional recognition factors
(1) Impending problem masked by traffic flow pattern
(2) Driver focused on extraneous vehicle
(3) Other recognition error (specify): _____

(7) Not applicable
(9) Unknown

DRIVER RELATED DECISION FACTORS

36. Traveling Too Fast For Conditions _____
- (0) No decision factors
(1) Yes, involved
(7) Not applicable
(9) Unknown
- Was the driver in a hurry prior to crash occurrence? _____
- (0) No decision factors
(1) Yes (specify): _____

(2) No
(7) Not applicable
(9) Unknown
- Other reasons given for traveling too fast for conditions _____
- (0) No decision factors
(1) Keeping up with traffic
(2) Did not realize that caution was required
(3) Other (specify): _____

(7) Not applicable
(9) Unknown
37. Following Too Closely _____
- (0) No additional decision factors
(1) Yes, involved
(7) Not applicable
(9) Unknown
- Was the driver in a hurry prior to crash occurrence? _____
- (0) No additional decision factors
(1) Yes, other reason (specify): _____

(2) No
(7) Not applicable
(9) Unknown
- Other reasons given for following too closely _____
- (0) No additional decision factors
(1) Rush hour, heavy traffic
(2) Keeping up with traffic
(3) Did not realize that I was too close to forward vehicle
(4) Always drive at this gap distance
(7) Not applicable
(8) Other (specify): _____
(9) Unknown
38. Misjudgment Of Gap Distance To Other Vehicle Or Velocity Of Other Vehicle _____
- (0) No additional decisions factors
(1) Yes, involved
(7) Not applicable
(9) Unknown

DRIVER RELATED DECISION FACTORS

<p>Other vehicle approaching from this driver's: _____</p> <p>(0) No additional decision factors</p> <p>(1) Left</p> <p>(2) Right</p> <p>(3) Forward direction (i.e., 180 degrees opposed)</p> <p>(4) Rear</p> <p>(7) Not applicable</p> <p>(9) Unknown</p>	<p>40. Completed Illegal Maneuver _____</p> <p>(0) No additional decision factors</p> <p>(1) Crossed full barrier line while passing</p> <p>(2) Passed on right (drive off pavement to pass)</p> <p>(3) Turned from wrong lane</p> <p>(4) Initiated illegal U-turn</p> <p>(5) Failed to stop for TCD</p> <p>(6) Drove wrong way on one-way road</p> <p>(7) Not applicable</p> <p>(8) Other illegal maneuver (specify): _____</p>
<p>Was this vehicle required to stop prior to entering intersection/initiating turn? _____</p> <p>(0) No additional decision factors</p> <p>(1) Yes, TCD</p> <p>(2) Yes, yield right of way requirement</p> <p>(3) Yes, other reason (specify): _____</p> <p>(4) No</p> <p>(7) Not applicable</p> <p>(9) Unknown</p>	<p>(9) Unknown</p> <p>41. Inadequate Evasive Action _____</p> <p>(0) No additional decision factors</p> <p>(1) Insufficient steering inputs</p> <p>(2) Insufficient braking inputs</p> <p>(3) Combination of insufficient steering and braking inputs</p> <p>(7) Not applicable</p> <p>(8) Other inadequate evasive action (specify): _____</p> <p>(9) Unknown</p>
<p>Period of time stopped prior to entering intersection and/or initiating turn _____</p> <p>(00) No additional decision factors</p> <p>(01) Traveling at constant velocity</p> <p>(02) Decelerated, did not stop</p> <p>(03) Rolling stop prior to proceeding</p> <p>(04) Stopped <1 second prior to proceeding</p> <p>(05) Stopped 1-2 seconds prior to proceeding</p> <p>(06) Stopped 3-5 seconds prior to proceeding</p> <p>(07) Stopped more than 5 seconds prior to proceeding</p> <p>(97) Not applicable</p> <p>(99) Unknown</p>	<p>42. Aggressive Driving Behavior _____ / _____ / _____</p> <p>(Code up to three elements)</p> <p>(00) No additional decision factors</p> <p>(01) Speeding</p> <p>(02) Tailgating</p> <p>(03) Weaving in and out of traffic</p> <p>(04) Intentional violation of traffic control devices</p> <p>(05) Accelerating rapidly/stopping suddenly</p> <p>(06) Honking horn</p> <p>(07) Flashing lights</p> <p>(08) Obscene gestures</p> <p>(09) Obstructing the paths of others</p> <p>(97) Not applicable</p> <p>(98) Other (specify): _____</p> <p>(99) Unknown</p>
<p>Did this driver have an unobstructed view of the other vehicle? _____</p> <p>(0) No additional decision factors</p> <p>(1) Yes</p> <p>(2) No, view obstructed by intervening vehicle</p> <p>(3) No, view obstructed by roadway grade/curvature</p> <p>(4) No, view obstructed by roadside appurtenance</p> <p>(5) No, other view obstruction (specify): _____</p> <p>(7) Not applicable</p> <p>(9) Unknown</p>	<p>Reasons for driving behavior _____</p> <p>(0) No additional decision factors</p> <p>(1) Anger</p> <p>(2) Frustration</p> <p>(3) Always drive this way</p> <p>(7) Not applicable</p> <p>(8) Other (specify): _____</p> <p>(9) Unknown</p>
<p>After checking for traffic, did this driver focus on intended turn destination or other location? _____</p> <p>(0) No additional decision factors</p> <p>(1) Yes (specify): _____</p> <p>(2) No</p> <p>(7) Not applicable</p> <p>(9) Unknown</p>	<p>43. Other Decision Factors _____</p> <p>(0) No additional decision factors</p> <p>(1) Crossed with obstructed view</p> <p>(2) Turned with obstructed view</p> <p>(3) Stopped when not required</p> <p>(4) Proceeded with insufficient clearance</p> <p>(5) Turned without signaling</p> <p>(7) Not applicable</p> <p>(8) Other decision error (specify): _____</p> <p>(9) Unknown</p>
<p>39. False Assumption Of Other Road User's Actions _____</p> <p>(0) No additional decision factors</p> <p>(1) Assumed that other driver would merge without stopping</p> <p>(2) Assumed that other driver would turn without stopping</p> <p>(3) Assumed that other driver would continue to proceed</p> <p>(4) Assumed that other driver would yield right-of-way</p> <p>(7) Not applicable</p> <p>(8) Other false assumption (specify): _____</p> <p>(9) Unknown</p>	

DRIVER RELATED EMOTIONAL FACTORS

44. Driver Was Upset Prior To Crash _____
- (0) No emotional factors
- (1) Preceding argument with spouse
- (2) Preceding argument with other family member
- (3) Preceding argument with other individual (specify): _____
- (4) Related to financial problems
- (5) Related to family problems
- (7) Not applicable
- (8) Other source (specify): _____
- (9) Unknown

45. Driver Under Work-Related Pressure _____
- (0) No additional emotional factors
- (1) Learning new position
- (2) Production/shipping deadlines
- (3) Work schedule
- (4) Additional production/sales requirements
- (5) Forced to accept loads with little or no advanced notice
- (6) Forced to accept demotion/pay decrease
- (7) Not applicable
- (8) Other pressure (specify): _____
- (9) Unknown

46. Driver Was In a Hurry _____
- (0) No additional emotional factors
- (1) Due to work-related schedule
- (2) Late for business appointment
- (3) Late for social appointment
- (4) Late for start of work shift/start of school classes
- (5) Normal driving pattern
- (7) Not applicable
- (8) Other reason (specify): _____
- (9) Unknown

47. Other Emotional Factors _____
- (0) No additional emotional factors
- (1) Driver clinically depressed
- (2) Driver has a diagnosed psychosis (specify): _____
- (7) Not applicable
- (8) Other factors (specify): _____
- (9) Unknown

DRIVER RELATED EXPERIENCE FACTORS

48. Unfamiliar/Uncomfortable With Vehicle _____
- (0) No experience/exposure factors
- (1) First time driving this vehicle
- (2) Had driven this vehicle 2-5 times in the past six months
- (3) Had driven this vehicle 6-10 times in the past six months
- (4) Had driven this vehicle more than 10 times in the past six months
- (7) Not applicable
- (8) Unfamiliar/uncomfortable with other aspect of vehicle (specify): _____
- (9) Unknown

49. Unfamiliar With Roadway _____
- (0) No additional experience/exposure factors
- (1) First time driving on this roadway
- (2) Rarely drives on this roadway
- (3) Drives on this roadway once per month
- (4) Drives on this roadway several times per month
- (7) Not applicable
- (8) Other frequency (specify): _____
- (9) Unknown

50. Other Factor Types _____
- (0) No additional experience/exposure factors
- (1) Uncomfortable with surrounding traffic densities
- (2) Uncomfortable with general traffic speeds
- (3) Uncomfortable with general traffic flow (specify): _____
- (7) Not applicable
- (8) Other (specify): _____
- (9) Unknown

RELATION WITH CARRIER/EMPLOYER FACTORS

51. Under Pressure To Accept Loads _____
- (0) No relation factors
- (1) To accept unscheduled loads while on a scheduled trip
- (2) To accept additional loads while on an unscheduled trip
- (3) To accept unscheduled loads while on a short notice scheduled trip
- (4) To accept additional loads although over allowable driving hours
- (7) Not applicable
- (8) Other load factors (specify): _____
- (9) Unknown

52. Under Pressure To Operate Even If Fatigued _____
- (0) No additional relation factors
- (1) Scheduled loads/trips require extended hours to complete
- (2) Scheduled trips require rotating shift schedule
- (3) Unscheduled loads/trips require extended hours to complete
- (7) Not applicable
- (8) Other fatigue-related factors (specify): _____
- (9) Unknown

53. Other Relation Factor Types _____
- (0) No additional relation factors
- (1) Required to accept short notice trips
- (2) Required to fill-in for other drivers
- (3) Required to complete uncompensated loading/unloading activities
- (4) Variable compensation package
- (7) Not applicable
- (8) Other factors (specify): _____
- (9) Unknown

TRAFFIC FLOW RELATED FACTORS

54. Traffic Flow Interruption Factors _____ / _____ / _____ / _____
 (Code up to four elements.)
 (0) No traffic flow factors
 (1) Previous crash nearby
 (2) Construction work zone
 (3) Emergency vehicle approaching
 (4) Rush hour congestion
 (5) Other (specify): _____

If element 05 (Road sight distance insufficient) is selected, record the measured sight distance.
 Sight Distance = _____ m
 _____ ft x 0.3048 = _____ m
 AASHTO Recommended Sight Distance
 _____ m
 _____ ft x 0.3048 = _____ m

VEHICLE FACTORS

55. Vehicle Condition Related Factors _____ / _____ / _____ / _____
 (Code up to four elements.)
 (0) No vehicle related factors
 (1) View obstruction - related to load
 (2) View obstruction - related to vehicle design
 (3) View obstruction - other
 (4) Tire malfunction
 (5) Braking system malfunction
 (6) Transmission malfunction
 (7) Engine problem
 (8) Other (specify): _____
 (9) Unknown

57. Weather Related Factors _____ / _____ / _____
 (Code up to three elements.)
 (0) No weather related factors
 (1) Rain
 (2) Snow
 (3) Fog
 (4) Wind gust
 (5) Hail
 (6) Sleet
 (7) Not applicable
 (8) Other (specify): _____
 (9) Unknown

ENVIRONMENTAL RELATED FACTORS

56. Roadway Related Factors _____ / _____
 (Code up to two elements.)
 (00) No roadway related factors
 (01) Traffic signs/signals missing
 (02) Roadway view obstructions including factors or devices like signal boxes
 (03) View obstructed by other vehicle
 (04) Roadway geometry (e.g., ramp curvature, median width)
 (05) Road sight distance insufficient
 (06) Lane delineation problem (not present, worn, etc.)
 (07) Narrow shoulders
 (08) Narrow road
 (09) Ramp speed
 (10) Roadway condition (potholes, deteriorated road edges, etc.)
 (11) Slick surface (low friction value due to icy condition, loose debris, or any other cause)
 (12) Road under water
 (13) Road washed out
 (97) Not applicable
 (98) Other roadway problem (specify): _____
 (99) Unknown

58. Other Environmental Factors _____ / _____ / _____
 (Code up to three elements.)
 (0) No other factors
 (1) Glare
 (2) Blowing debris
 (3) Smoke
 (7) Not applicable
 (8) Other sudden change in ambience (specify): _____
 (9) Unknown

SOURCE OF CRITICAL EVENT ASSOCIATED FACTOR DATA

- (1) Driver interview
 (2) Carrier interview
 (3) Other interview (specify): _____
 (4) Police report
 (5) Researcher investigation findings
 (6) Reviewer assessment
 (7) Not applicable
 (8) Other (specify): _____
 (9) Unknown

If element 04 (Roadway geometry) is selected and crash site involves a crossover, record:

Median width = _____ m
 Inside shoulder width = _____ m

Median: _____ ft x 0.3048 = _____ m

Shoulder: _____ ft x 0.3048 = _____ m
 999.7 Not applicable
 999.9 Unknown

If element 04 (Roadway geometry) is selected, and crash site is located in a curve or is associated with a curve, record the radius of curvature:

Radius = _____ m
 _____ x 0.3048 ft = _____ m
 999.7 Not applicable
 999.9 Unknown

	<u>Variable No.</u>	<u>Source Code</u>
59.	_____	_____
60.	_____	_____
61.	_____	_____
62.	_____	_____
63.	_____	_____
64.	_____	_____
65.	_____	_____
66.	_____	_____
67.	_____	_____
68.	_____	_____
69.	_____	_____
70.	_____	_____
71.	_____	_____
72.	_____	_____
73.	_____	_____
74.	_____	_____

SUMMARY: Provide a narrative description summarizing the basis for determining the critical event, critical reason for the critical event, and all associated factors.