

**CRASH
Motorcycle Rider Questionnaire**

1. Case Number _____

2. Motorcycle Rider Number _____

BACKGROUND INFORMATION

3. How old are you? _____ A.5.1.1.3
Code actual age in years
(99) unknown

4. Where did you get your current driver's license? _____ A.5.1.1.4
(1) no license
(2) California
(3) other State (list) _____
(4) Canada
(5) Mexico
(6) military
(8) other (describe) _____
(9) unknown

5. What kind of operator's license is it? _____ A.5.1.1.5.1
(Code up to 4; input "97" in remaining responses) _____ A.5.1.1.5.2
(01) no license held _____ A.5.1.1.5.3
(02) learner's permit, only _____ A.5.1.1.5.4
(03) motorcycle license
(04) automobile license
(05) commercial license
(06) motorcycle driver and competition license
(07) license to transport people
(08) heavy truck license
(97) not applicable
(98) other (describe) _____
(99) unknown

6. What year was/were the license(s) issued? _____ A.5.1.1.6.1
(Listed in same order as licenses above) _____ A.5.1.1.6.2
(9997) not applicable _____ A.5.1.1.6.3
(9999) unknown _____ A.5.1.1.6.4

7. How many times have you acquired a motorcycle learner's permit? _____
(00) never
(01-96) actual number of times
(98) other (specify) _____
(99) unknown

8. How long have you held a motorcyclist license? _____ Months
(000) less than two weeks
(001-995) actual number of months
(996) 996 months or greater
(997) Not applicable, no license held
(998) other (specify) _____

(999) unknown

9. Are you of Hispanic or Latino origin? _____

- (0) refused to answer
- (1) no
- (2) yes
- (8) other (describe) _____
- (9) unknown

10. What is your race? _____

- Please select one or more, code "7" in others _____
- (0) refused to answer
 - (1) white _____
 - (2) black or African American _____
 - (3) Asian
 - (4) Native Hawaiian or other Pacific Islander
 - (5) American Indian or Alaska native
 - (7) not applicable
 - (8) other _____
 - (9) unknown

11. What is your height? _____ ft. _____ in. A.5.1.1.9

(9/99) unknown

12. What is your weight? _____ lbs. A.5.1.1.10

(999) unknown

13. Gender _____ A.5.1.1.11

- (1) male
- (2) female
- (9) unknown

14. How much formal education have you had? _____ A.5.1.1.12

- (01) no formal schooling
- (02) less than high school diploma
- (03) high school diploma or GED
- (04) partial college/university
- (05) college/university graduate
- (06) graduate school, advanced degree, professional degree
- (07) specialty/technical school
- (97) not applicable
- (98) other (specify) _____
- (99) unknown

15. What is your current occupation? _____ A.5.1.1.13

- (11) management occupations
- (13) business and financial
- (15) computer and mathematical
- (17) architecture and engineering
- (19) life, physical, and social science
- (21) community and social services
- (23) legal

- (25) education, training or library
- (27) arts, design, entertainment, sports or media
- (29) healthcare practitioners and technical jobs
- (31) healthcare support
- (33) protective services
- (35) food preparation and serving related
- (37) building and grounds maintenance
- (39) personal care and services
- (41) sales and related occupations
- (43) office and administrative support
- (45) farming, fishing or forestry
- (47) construction or extraction
- (49) installation, maintenance or repair
- (53) transportation and material moving
- (55) military
- (60) full time student
- (97) not applicable, not in workforce at present
- (98) other (specify) _____
- (99) unknown

16. Are you married? _____ D.5.2.1.1.4

- (01) not married
- (02) single
- (03) married
- (04) separated
- (05) divorced
- (06) widowed
- (07) cohabitating
- (98) other (specify) _____
- (99) unknown

17. How many children do you have? _____ D.5.2.1.1.5

- (0) none
- (1) one
- (2) two
- (3) three
- (4) four
- (5) five
- (6) six
- (7) more than six
- (9) unknown

RIDING/DRIVING EXPERIENCE

18. Are you the owner of this motorcycle? _____

- (1) no
- (2) yes
- (8) other _____
- (9) unknown

19. Where did you purchase this motorcycle? _____

- (1) dealership (store front or internet)

- (2) family, friend, or neighbor
- (3) newspaper want ad or internet ad
- (4) motorcycle was a gift
- (7) not applicable, rider does not own this motorcycle
- (8) other, specify _____
- (9) unknown

20. How long have you owned this motorcycle? ____ ____

- (00) less than two weeks
- (01) one year or less
- (02-96) number of years
- (97) not applicable, rider does not own this motorcycle
- (98) other (specify) _____
- (99) unknown

21. During the most recent period of riding regularly, how many MONTHS have you operated a street motorcycle? ____ ____ ____ A.5.1.1.16

- (000) this is the first time
- (001) less than or equal to one month
- (002-095) actual number of months
- (096) 96 months or more
- (997) not applicable
- (998) other (specify) _____
- (999) unknown

22. How many MONTHS have you operated the crash-involved motorcycle? ____ ____ ____

- (000) this is the first time A.5.1.1.16
- (001) less than or equal to one month
- (002-095) actual number of months
- (096) 96 months or more
- (998) other (specify) _____
- (999) unknown

23. What is the average number of days per year you ride motorcycles? ____ ____ ____

- (001-365) Actual number of days per year A.5.1.1.18
- (997) not applicable, first time
- (999) unknown

24. About how many miles per year do you ride motorcycles? _____

- (00000) none A.5.1.1.19
- (00001-99995) actual miles
- (99996) 99996 or greater miles
- (99998) other (specify) _____
- (99999) unknown

25. What kind of motorcycle training have you had? ____ ____ A.5.1.1.20

- (00) none
- (01) self taught
- (02) taught by family or friends
- (03) special voluntary motorcycle training for road riding
- (04) special compulsory motorcycle training for road riding
- (05) professional training for competition license

- (06) advanced training
- (07) compulsory motorcycle training ordered by judge/police/etc.
- (98) other (specify) _____
- (99) unknown

26. In what years have you taken any formal motorcycle training?

- Code up to three _____
- (9997) not applicable _____
 - (9999) unknown _____

27. Please tell me the reason for not taking motorcycle safety training _____

- (1) not offered
- (2) enrolled for future date
- (3) tried unsuccessfully to enroll
- (4) not interested/don't need it
- (5) cost
- (7) not applicable, took training
- (8) other (specify) _____
- (9) unknown

28. What year was your most recent motorcycle training class? _____

- Code actual year
- (0000) no training class
 - (9998) other (specify) _____
 - (9999) unknown

29. How old were you when you first began to ride a street motorcycle? _____

- Code actual age
- (00) never rode before, or rarely ever rides
 - (98) other (specify) _____
 - (99) unknown

30. Were there years in which you gave up riding a motorcycle before returning to riding? _____

- (1) no
- (2) yes
- (7) not applicable, never before rode
- (8) other (specify) _____
- (9) unknown

31. How many years before you started riding again? _____

- (00) never stopped riding
- (01-96) actual number of years
- (97) not applicable, never before rode
- (98) other _____
- (99) unknown

32. When you ride a motorcycle, what is the percentage of time you use it for each of these categories? (indicate % of total riding/driving time for each of the three categories)

Recreation	_____ %	A.5.1.1.21.1
Basic transportation	_____ %	A.5.1.1.21.2
MC Rider		

(9) unknown

40. How much experience do you have riding with cargo/luggage? _____

- (1) first time A.5.1.1.23
- (2) seldom carries similar cargo/luggage
- (3) frequently carries similar cargo/luggage
- (4) always carries similar cargo/luggage
- (7) not applicable/no experience with cargo/luggage
- (9) unknown

TRIP INFORMATION

41. At what kind of location did you begin your trip today? _____

- (01) home A.5.1.1.27
- (02) work, business
- (03) recreation/social
- (04) school/religious activity
- (05) errand, shopping
- (06) family personal business/obligations
- (07) meals, restaurant, etc.
- (08) transport someone
- (09) medical/dental
- (10) bar, pub
- (98) other (specify) _____
- (99) unknown

42. Did you do any safety or maintenance checks on your motorcycle before leaving for this trip? Code up to 4.

- (0) none _____
- (1) exterior, visual inspection, only _____
- (2) checked fluids _____
- (3) checked lights _____
- (4) checked brakes _____
- (5) checked tire pressure
- (8) other, specify: _____
- (9) unknown

43. What was your trip destination? _____ A.5.1.1.28

- (01) home
- (02) work, business
- (03) recreation/social
- (04) school/religious activity
- (05) errand, shopping
- (06) family personal business/obligations
- (07) meals, restaurant, etc
- (08) transport someone
- (09) medical/dental
- (10) bar, pub
- (11) no destination, joy riding
- (98) other (specify) _____
- (99) unknown

44. About how many miles would the trip have been one way? ____ ____ ____ A.5.1.1.29

- (001) one mile or less
- (002-995) actual number of miles
- (996) 996 miles or greater
- (997) not applicable
- (999) unknown

45. How frequently do you travel this road on/in any vehicle? ____ ____

- (01) first time
- (02) daily use, i.e., once or more per day
- (03) weekly use, i.e., once or more per week
- (04) monthly use, i.e., once or more per month
- (05) quarterly, i.e., once or more per quarter
- (06) annually, i.e., once or more per year
- (07) less than annually
- (99) unknown

46. How many hours have you been riding today since your departure? ____ ____

- (01) one hour or less A..5.1.1.31
- (02-95) actual hours
- (96) 96 or more
- (97) not applicable, had not yet begun trip
- (98) other (specify) _____
- (99) unknown

47. How many miles had you ridden before the crash occurred? ____ ____ ____

- (001) one mile or less A..5.1.1.31
- (002-095) actual hours
- (096) 96 or more
- (997) not applicable, had not yet begun trip
- (998) other (specify) _____
- (999) unknown

SITUATION

48. What was your position on the motorcycle at time of collision? ____ ____ A.5.1.1.42

- (01) not on motorcycle, separated before collision
- (02) normal seating position
- (03) standing on footrests, foot pegs
- (04) seated, head down
- (05) shoulder check, left
- (06) shoulder check, right
- (07) dismounting, jumping to side
- (08) dismounting, jumping upward
- (09) dragging feet, foot down
- (10) abnormal seating position
- (11) standing on seat
- (98) other (specify) _____
- (99) unknown

49. Were you distracted by any of the following? ____ ____ A.5.1.1.44

Prior to Recognition Of Critical Event

(01) Attentive or not distracted

(02) Looked but did not see

Distractions

(03) By other occupant(s), (specify): _____

(04) By moving object in vehicle (specify): _____

(05) While talking or listening to cellular phone/intercom or short wave radio

(specify location and type of phone): _____

(06) While dialing cellular phone/intercom/short wave radio

(specify location and type of phone): _____

(07) While adjusting climate controls

(08) While adjusting radio, cassette, CD (specify): _____

(09) While using other device/controls integral to vehicle (specify): _____

(10) While using or reaching for device/object brought into vehicle (specify): _____

(11) Sleepy or fell asleep

(12) Distracted by outside person, object, or event (specify): _____

(13) Eating or drinking

(14) Smoking related

(15) While listening or adjusting GPS device

(96) Distracted/inattentive, details unknown

(98) Other, distraction (specify): _____

(99) Unknown

RIDING HABITS

50. Are you a motorcycle-related club member? ____

(1) no

(2) yes

(9) unknown

51. Were you riding with other motorcyclists? ____

(1) no

(2) yes

(8) other (specify) _____

(9) unknown

52. How many other motorcycles were in the group? ____

(00) none, no group

(01 – 95) code number of motorcycles

(96) 96 motorcycles or more

(98) other (specify) _____

(99) unknown

53. Was the group riding in a specific formation? ____

(1) single file

(2) staggered

(3) side-by-side

(7) not applicable, no group

(8) other (specify) _____

(9) unknown

54. If in a formation, where was your motorcycle placed in formation? ____

(0) not in formation

- (1) front area
- (2) middle area
- (3) rear area
- (7) not applicable, no group
- (8) other (specify) _____
- (9) unknown

PROTECTIVE CLOTHING/GEAR AT TIME OF CRASH

55. What kind of clothing was on your upper body? _____ A.5.3.1.1

- (0) none
- (1) light cloth garment, i.e., thin cotton
- (2) medium cloth garment, i.e., denim, nylon
- (3) heavy cloth garment, i.e., imitation leather
- (4) leather garment
- (5) Kevlar
- (8) other (specify)
- (9) unknown

56. Was this upper body clothing motorcycle-oriented? _____ A.5.3.1.2

- (1) no
- (2) yes
- (7) not applicable/no clothing
- (8) other (specify) _____
- (9) unknown

57. What kind of clothing was on your lower body? _____ A.5.3.1.3

- (0) none
- (1) light cloth garment, i.e., thin cotton
- (2) medium cloth garment, i.e., denim, nylon
- (3) heavy cloth garment, i.e., imitation leather
- (4) leather garment
- (5) Kevlar
- (8) other (specify)
- (9) unknown

58. Was this lower body clothing motorcycle-oriented? _____ A.5.3.1.4

- (1) no
- (2) yes
- (7) not applicable/no clothing
- (8) other (specify) _____
- (9) unknown

59. Were you wearing an inflatable safety vest? _____

- (1) no
- (2) yes
- (8) other (specify) _____
- (9) unknown

60. What kind of shoes or boots were you wearing? _____ A.5.3.1.5

- (1) no shoes or boots, barefoot
- (2) light sandal

- (3) medium street shoe, loafer
- (4) athletic, training shoe
- (5) heavy shoe or boot
- (6) reinforced work boot or motorcycle boot
- (8) other (specify) _____
- (9) unknown

61. Did this footwear go up over your ankle? _____

- (1) no
- (2) yes
- (7) not applicable, no footwear worn
- (8) other, specify _____
- (9) unknown

62. Was the footwear motorcycle-oriented? _____ A.5.3.1.6

- (1) no
- (2) yes
- (7) not applicable, no footwear worn
- (9) unknown

63. What kind of gloves were you wearing? _____ A.5.3.1.7

- (0) none
- (1) light cloth garment, i.e., thin cotton
- (2) medium cloth garment, i.e., denim, nylon
- (3) heavy cloth garment, i.e., imitation leather
- (4) leather garment
- (5) Kevlar
- (8) other (specify)
- (9) unknown

64. Are the gloves motorcycle-oriented? _____ A.5.3.1.8

- (1) no
- (2) yes, full fingered
- (3) yes-shorties
- (7) not applicable, no gloves worn
- (8) other (specify) _____
- (9) unknown

65. Is any of this clothing retroreflective? _____

Code up to 3 responses _____

- (1) no retroreflective clothing or gloves _____
- (2) upper body (shirt/jacket/vest) _____
- (3) lower body (pants/ shorts)
- (4) gloves
- (5) special arm bands, or similar items
- (7) not applicable, no clothing or gloves
- (8) other (specify) _____
- (9) unknown

66. What is the clothing color of the following?

Upper body clothing _____ D.5.3.1.6.1

Lower body clothing _____ D.5.3.1.6.2

- (1) clear
- (2) green
- (3) grey, smoke
- (4) amber, yellow
- (5) blue
- (6) reflective (any color)
- (7) not applicable, not wearing eye coverage
- (8) other (specify) _____
- (9) unknown

HELMET DATA

71. Were you wearing a helmet? ___ A.5.3.1.11

- (1) no
- (2) yes
- (3) helmet available but not used
- (8) other (specify) _____
- (9) unknown

72. What is your reason for not wearing a helmet? ___ D.5.2.1.1.13

- (01) not required by law
- (02) no expectation of accident involvement
- (03) helmets too expensive
- (04) helmets are inconvenient and uncomfortable
- (05) helmets reduce traffic awareness, limit hearing and vision
- (06) helmets ineffective in reducing head injury
- (07) helmets cause neck injury
- (08) helmets can not be used, physical or religious reasons
- (09) do not own a helmet
- (10) forgot to bring helmet today
- (97) not applicable, rider always wears a helmet
- (98) other (*describe, 80 characters) _____
- (99) unknown

IF NO HELMET WAS WORN, go to PRECRASH section

73. Was your helmet properly adjusted? ___ A.5.3.1.12

- (1) no
- (2) yes
- (7) not applicable, no helmet
- (8) other (specify) _____
- (9) unknown

74. Was your helmet securely fastened? ___ A.5.3.1.13

- (1) no
- (2) yes
- (7) not applicable, no helmet
- (8) other (specify) _____
- (9) unknown

75. What type of helmet is it? ___ A.5.3.1.14

- (1) not a motorcycle helmet

- (2) half/police motor vehicle, motorcycle helmet
- (3) open face motor vehicle, motorcycle helmet
- (4) full face motor vehicle, motorcycle helmet
- (5) novelty helmet
- (7) not applicable, not helmet
- (8) other (specify)
- (9) unknown

76. What is the type of helmet coverage? ____ ____ A.5.3.1.15

- (11) partial coverage
- (12) full coverage
- (13) full facial, integral chin bar but no face shield
- (14) full facial, removable chin bar
- (15) full facial, retractable chin bar
- (16) full facial coverage, integral chin bar and face shield
- (17) wrap around face shield
- (18) bubble type face shield
- (19) visor/face shield combo
- (97) not applicable/no helmet
- (98) other (specify)
- (99) unknown

77. What is the predominant color of your helmet? ____ ____ A.5.3.1.16

- (01) no dominating color, multi-colored
- (02) white
- (03) yellow
- (04) black
- (05) red
- (06) blue
- (07) green
- (08) silver, grey
- (09) orange
- (10) brown, tan
- (11) purple
- (12) gold
- (13) chrome, metallic
- (97) not applicable/no helmet
- (98) other (specify) _____
- (99) unknown

78. What is the color of the face shield? ____ A.5.3.1.17

- (1) clear
- (2) green
- (3) grey, smoke
- (4) amber, yellow
- (5) blue
- (6) reflective (any color)
- (7) not applicable/no face shield
- (8) other (specify) _____
- (9) unknown

79. Do you own this helmet? ____ A.5.3.1.18

- (1) no
- (2) yes
- (7) not applicable, no helmet
- (8) other (specify) _____
- (9) unknown

80. How well does this helmet fit? _____ A.5.3.1.19

- (1) acceptable fit
- (2) too large, too loose
- (3) too small, too tight
- (7) not applicable/no helmet
- (8) other (specify) _____
- (9) unknown

81. What percentage of time do you wear your helmet when riding? _____ %

Code from 001-100 percent A.5.3.1.20

- (997) not applicable/no helmet
- (999) unknown

82. Under what conditions do you usually wear your helmet? _____ A.5.3.1.21.1

(code up to four; input "0" for remaining responses) _____ A.5.3.1.21.2

(1) never uses helmet _____ A.5.3.1.21.3

(2) long trips _____ A.5.3.1.21.4

(3) highway traffic

(4) in adverse weather

(5) never in hot weather

(6) always

(7) not applicable/no helmet

(8) other (specify) _____

(9) unknown

83. Was the helmet retained in place on your head during crash? _____ A.5.3.1.30

(1) no, helmet ejected from head during pre-crash time period

(2) no, helmet ejected from head during crash

(3) no, helmet ejected from head after collision

(4) yes, helmet retained in place to completion of accident events

(5) yes, helmet moved on head but was retained

(7) not applicable/no helmet

(8) other (specify)

(9) unknown

PRECRASH DATA

84. How were you operating your motorcycle immediately prior to the crash?

- (00) Stopped in traffic, speed is zero
- (01) Moving in a straight line, constant speed
- (02) Moving in a straight line, foot off accelerator
- (03) Moving in a straight line, braking
- (04) Moving in a straight line, accelerating
- (05) Turning right, constant speed
- (06) Turning right, foot off accelerator
- (07) Turning right, braking

- (08) Turning right, accelerating
- (09) Turning left, constant speed
- (10) Turning left, foot off accelerator
- (11) Turning left, braking
- (12) Turning left, accelerating
- (13) Stopped at roadside, or parked
- (14) Backing up, in a straight line
- (15) Backing up, steering left
- (16) Backing up, steering right
- (17) Making U-turn right
- (18) Making U-turn left
- (19) Making Y-turn right
- (20) Making Y-turn left
- (21) Changing lanes to left
- (22) Changing lanes to right
- (23) Merging to left
- (24) Merging to right
- (25) Entering traffic from right shoulder, median, or parked
- (26) Entering traffic from left shoulder, median, or parked
- (27) Leaving traffic, turn out to right
- (28) Leaving traffic, turn out to left
- (29) Passing maneuver, passing on right
- (30) Passing maneuver, passing on left
- (31) Crossing opposing lanes of traffic
- (32) Traveling wrong way, against opposing traffic
- (36) Collision avoidance maneuver to avoid a different collision
- (37) Negotiating a curve, constant speed
- (38) Negotiating a curve, foot off accelerator
- (39) Negotiating a curve, braking
- (40) Negotiating a curve, accelerating
- (97) Not applicable
- (98) Other, specify: _____
- (99) Unknown

85. Where were you looking at the start of the crash sequence? _____

- (1) looking straight ahead
- (2) looking right
- (3) looking left
- (4) looking rearward
- (5) looking at own motorcycle
- (8) other (specify)
- (9) unknown

86. Were your motorcycle brakes functioning before the crash? _____ A.4.1.1.35

- (1) no
- (2) yes
- (8) other (specify) _____
- (9) unknown

87. Did you have your hands/fingers positioned on the front brake prior to the crash event? _____ A.6.3.1.17

- (1) no

- (2) yes
- (7) not applicable, no front brake or brake lever
- (8) other (specify) _____
- (9) unknown

88. In which lane were you traveling just before the precipitating event? _____

- (1) lane 1 (right curb lane)
- (2) lane two
- (3) lane three
- (4) lane four
- (7) not applicable, not in a travel lane
- (8) other (specify) _____
- (9) unknown

89. What was your travel speed just before the precipitating event? _____ A.4.2.2.a

- (00) stopped
- (01-95) actual miles per hour
- (96) 96 mph or more
- (98) other (specify) _____
- (99) unknown

90. What were the lateral movements of your motorcycle immediately before impact? _____

- (01) no movement/avoidance maneuver
- (02) lane departure-left side
- (03) lane return-left side
- (04) lane departure right side
- (05) lane return-right side
- (06) road departure-left side
- (07) road return-left side
- (08) road departure-right side
- (09) road return-right side
- (97) not applicable
- (98) other (specify) _____
- (99) unknown

91. What avoidance actions did you attempt (if any)? _____ A.4.2.5.1

- Code up to four _____ A.4.2.5.2
- (01) braking _____ A.4.2.5.3
- (02) downshifting _____ A.4.2.5.4
- (03) releasing brakes _____
- (04) steering left
- (05) steering right
- (06) accelerating
- (07) laid the bike down
- (08) use of horn
- (09) flashing headlamp
- (10) drag feet
- (11) jump or bail out
- (97) not applicable/no avoidance actions
- (98) other (specify) _____
- (99) unknown

92. Did you lose control of the motorcycle? ___ ___

A.6.3.1.11

- (01) capsized or fell over
- (02) braking slide out-low side
- (03) braking slide out-high side
- (04) cornering slide out-low side
- (05) cornering slide out-high side
- (06) ran wide on turn, ran off road
- (07) lost wheelie
- (08) low speed wobble
- (09) high speed wobble
- (10) weave, no pitch
- (11) pitch weave, low speed
- (12) pitch weave, high speed cornering
- (13) end over, flying W
- (14) continuation, no control actions
- (15) lost stoppie
- (97) not applicable, no loss of control
- (98) other (specify) _____
- (99) unknown

93. Was there any control loss due to weather, roadway or mechanical problems? ___

- (01) no control loss due to weather, roadway or mechanical problems
- (02) yes, control loss due to weather
- (03) yes, control loss due to mechanical problems
- (04) yes, control loss due to both weather and mechanical
- (05) yes, control loss due to roadway
- (06) yes, control loss due to roadway and weather
- (07) yes, control loss due to roadway and mechanical
- (08) yes, control loss due to all three
- (98) other (specify) _____
- (99) unknown

RECOGNITION/DECISION

If not multi-vehicle crash, code not applicable to questions ___ through ___

94. Where was the other vehicle coming from in relation to you? ___ ___

- (01) 180 degrees opposed (oncoming)
- (02) from left front
- (03) from left
- (04) from left rear
- (05) from right front
- (06) from right
- (07) from right rear
- (08) from behind
- (97) not applicable/no other vehicle
- (98) other (specify) _____
- (99) unknown

95. Was your line of sight to the other vehicle clear? ___

A.4.2.3

- (1) yes, clear

- (2) no, view obstructed by road curvature
- (3) no, view obstructed by roadway grade
- (4) no, view obstructed by roadside objects (shrubs, vehicles, buildings)
- (5) other vehicle in blind spot of mirror
- (7) not applicable, no other vehicle
- (8) other (specify) _____
- (9) unknown

96. Was your view of the other vehicle obscured? ____ ____

- (01) no, not obscured
- (02) yes, obscured by sun glare
- (03) yes, obscured by headlight glare
- (04) yes, obscured by other glare (specify) _____
- (05) yes, obscured by darkness
- (06) yes, obscured by nighttime and color of vehicle
- (07) obscured by dust, smoke, smog, fog
- (08) obscured by windscreen or eye wear condition (dirt, condensation, etc)
- (97) not applicable
- (98) yes, obscured by other (specify) _____
- (99) unknown

IMPAIRMENT

97. Do you have any of the following permanent physical conditions? ____ ____ A.5.1.1.39.1

(Code up to three; input "01" in remaining responses) _____ A.5.1.1.39.2

(01) no _____ A.5.1.1.39.3

- (02) vision reduction or loss
- (03) hearing reduction or loss
- (04) respiratory, cardiovascular condition
- (05) paraplegia
- (06) amputee
- (07) neurological, epilepsy, stroke
- (08) endocrine system, diabetes, digestive system
- (09) infirmity, arthritis, senility
- (98) other (specify) _____
- (99) unknown

98. At the time of the crash, were you experiencing any of the following?

(Code up to three; input "01" in remaining responses) _____ A.5.1.1.40.1

(01) no _____ A.5.1.1.40.2

(02) fatigue _____ A.5.1.1.40.3

- (03) hunger
- (04) thirst
- (05) elimination urgency
- (06) muscle spasm, cramp, itch
- (07) headache, minor malaise, fever
- (08) siesta syndrome (tired in afternoon)
- (98) other (specify) _____
- (99) unknown

99. Were you concerned about any of the following issues on the day of the crash?

(Code up to three; input "01" in remaining responses) _____ A.5.1.1.41.1

- (01) no problems _____ A.5.1.1.41.2
- (02) conflict with friends, relatives, divorce, separation _____ A.5.1.1.41.3
- (03) work related problems _____
- (04) financial distress _____
- (05) school problems _____
- (06) legal, police problems _____
- (07) reward stress _____
- (08) traffic conflict, road rage _____
- (09) death of family, friend _____
- (98) other (specify) _____
- (99) unknown _____

100. How many hours of sleep did you have in the past 24 hours? _____

- (00) no sleep
- (01-24) number of hours slept
- (98) other (specify) _____
- (99) unknown

101. Did you drink any alcohol or take any drugs or medications today? _____

- (1) no A.5.1.1.32
- (2) alcohol use, only
- (3) drug/medication use, only
- (4) combined alcohol and drug/medication use
- (8) other, _____
- (9) unknown

Independently determine following questions

102. Alcohol/drug impairment? _____ A.5.1.1.33

- (1) no impairment
- (2) not legally impaired
- (3) legally impaired
- (8) other (specify) _____
- (9) unknown

103. Blood alcohol concentration (BAC)? _____ mg/100ml A.5.1.1.34

- Code results
- (000) negative BAC
 - (995) BAC tested, results not known
 - (996) BAC not tested
 - (998) other (specify) _____
 - (999) unknown

104. Source of BAC information? _____ A.5.1.1.35

- (01) not tested
- (02) tested, results not available
- (03) breath testing
- (04) blood test
- (05) urine test
- (06) unknown if tested
- (07) tested, results unknown
- (98) other (specify) _____

(99) unknown source

**105. Time span from crash to BAC collection?
(or time of death in fatal cases)** ___ ___ hours A.5.1.1.36

(00) no test done

(01-96) actual hours

(98) other (specify) _____

(99) unknown

106. Type of drugs other than alcohol? ___ A.5.1.1.37

(1) no drugs other than alcohol

(2) stimulant

(3) depressant

(4) drugs taken, type unknown

(5) multiple drugs taken

(7) not applicable, no drugs or alcohol

(8) other (specify) _____

(9) unknown

107. Source of drugs other than alcohol? ___ A.5.1.1.38

(1) no drugs other than alcohol

(2) prescription

(3) non-prescription, over the counter

(4) illegal

(7) not applicable, no drugs or alcohol

(9) unknown