

ENVIRONMENTAL FORM

2. Vehicle _____
(ex. MC1, MV1)

TRAFFICWAY DEFINITION AND CONDITION

3. Type of Land Development _____ **3a.** same side of street _____ A.3.1.1
(11) Urban industrial **3b.** other side of street _____ A.3.2.1
(12) Urban commercial/business
(13) Urban housing: apartments
(14) Urban housing: single-family homes
(15) Urban school
(16) Urban park
(21) Rural farming, ranching, etc.
(22) Rural wilderness
(23) Rural school
(24) Rural park
(98) Other, specify _____
(99) Unknown

4. Relation to Junction _____ A.3.1.3
(0) Non-junction
(1) At-grade intersection area
(2) Interchange area
(8) Other, specify _____
(9) Unknown

5. Type of At-Grade Intersection _____
(00) Not at intersection
(01) Four-leg intersection, not skewed
(02) Four-leg intersection, skewed
(03) T-intersection
(04) Y intersection
(05) Intersection as part of interchange
(06) Roundabout or traffic circle, describe _____
(07) Multi-leg (five-leg or more) intersection, describe _____
(08) Rail/light-rail crossing
(98) Other, specify _____
(99) Unknown

6. Direction of traffic flow _____ **6a.** right side _____ A.3.1.4.1/A.3.2.4.1
(1) No adjacent lane **6b.** left side _____ A.3.1.4.2/A.3.2.4.2
(2) Same direction
(3) Opposite direction
(4) Both directions
(7) Not applicable
(8) Other, specify _____
(9) Unknown

7. Parked vehicle presence _____ **7a.** right side _____
(0) None **7b.** left side _____
(1) Parallel parked vehicles
(2) Angle parked vehicles

- (3) Loading zone, parked vehicles
- (8) Other, specify _____
- (9) Unknown

- 8. Shoulder and sidewalk presence** **8a. right side** _____
8b. left side _____
- (0) None
 - (1) Shoulder, describe _____
 - (2) Sidewalk, describe _____
 - (8) Other, specify _____
 - (9) Unknown

PAVEMENT MARKINGS, LONGITUDINAL

- 9. Pavement Markings Function and Color** **9a. right side** _____
9b. left side _____
- (00) None
 - (01) Centerline, skip-dash, yellow
 - (02) Centerline, solid, yellow
 - (03) Centerline, solid double, yellow
 - (04) Lane line, skip-dash, white
 - (05) Lane line, solid, white
 - (06) Edge line, left, yellow
 - (07) Edge line, right, white
 - (08) Left-turn lane lines, combination of solid and skip-dash, yellow
 - (09) Turn arrow symbols, thru, left, or combination of two
 - (98) Other, specify _____
 - (99) Unknown

- 10. Pavement Markings Material** **10a. right side** _____
10b. left side _____
- (0) None
 - (1) Paint
 - (2) Thermoplastic
 - (3) Raised markers
 - (4) Tape
 - (8) Other, specify _____
 - (9) Unknown

- 11. Delineator presence** **11a. right side** _____ A.3.1.5.1/A.3.2.5.1
11b. left side _____ A.3.1.5.2/A.3.2.5.2
- (00) None
 - (04) Guardrail or barrier
 - (05) Fence
 - (06) Curb
 - (07) Shoulder
 - (08) Posts or columns
 - (09) Cable and posts
 - (10) Embankment
 - (98) Other, specify _____
 - (99) Unknown

- 12. Roadside environment** **12a. right side** _____ A.3.1.6.1/A.3.2.6.1
12b. left side _____ A.3.1.6.2/A.3.2.6.2
- (01) Level ground, no remarkable features
 - (02) Grass, ground cover
 - (03) Shrubbery
 - (04) Dirt, soft soil, sand

- (05) Gravel preparation
- (06) Sidewalk
- (07) Paved or topped surface
- (08) Trees, posts
- (98) Other, specify _____
- (99) Unknown

- 13. Roadside fixed objects** **13a.** right side _____ A.3.1.7.1/A.3.2.7.1
13b. left side _____ A.3.1.7.2A.3.2.7.2
- (00) None
 - (01) Wall, building, tunnel, etc.
 - (02) Ditch or low lying area, describe _____
 - (04) Trees
 - (09) Impact attenuator/crash cushion
 - (10) Bridge pier or support
 - (11) Bridge rail
 - (12) Culvert, describe _____
 - (13) Curb, describe _____
 - (14) Embankment foreslope, describe _____ slope = 1V:xH
 - (15) Embankment transverse-slope describe _____ slope = 1V:xH
 - (16) Cut slope, backslope
 - (17) Guardrail
 - (18) Concrete traffic barrier
 - (19) Other traffic barrier
 - (20) Utility pole, light support
 - (21) Traffic sign support
 - (22) Other post, pole or support
 - (23) Fence
 - (24) Mailbox
 - (97) Not applicable
 - (98) Other, specify _____
 - (99) Unknown

ROADWAY VEHICLE WAS TRAVELING

- 14. Trafficway Description** _____
- (1) Two-way, undivided
 - (2) Two-way, with a continuous left-turn lane
 - (3) Two-way, divided, no median barrier
 - (4) Two-way, divided, with median barrier
 - (5) One-way
 - (8) Other, specify _____
 - (9) Unknown

- 15. Roadway Function** _____ A.3.1.8/A.3.2.8
- (00) None
 - (01) Interstate/freeway mainline
 - (02) Freeway entrance ramp
 - (03) Freeway exit ramp
 - (04) Freeway transition (freeway to freeway)
 - (05) Freeway frontage road
 - (06) Principal arterial, non-freeway
 - (07) Minor arterial
 - (08) Collector

- (09) Local road/street
- (10) Construction detour
- (11) Parking area, off-street
- (12) Alley
- (13) Driveway
- (14) Round about or traffic circle (*describe, 80 characters)
- (15) Overpass mainline
- (16) Overpass entrance ramp
- (17) Overpass exit ramp
- (18) Underpass mainline
- (19) Underpass entrance ramp
- (20) Underpass exit ramp
- (21) Dedicated bicycle/moped path separated from ordinary vehicular traffic roadway
- (22) Dedicated bicycle/moped path not separated from ordinary vehicular roadway
- (23) Unseparated HOV lane
- (24) Separated HOV lane
- (98) Other, specify _____
- (99) Unknown

16. Posted speed limit in MPH _____ A.3.1.9/A.3.2.9

- (01-96) Actual speed limit
- (97) Not applicable, no posted limit
- (98) Other, specify _____
- (99) Unknown

17. Number of through lanes _____ A.3.1.10/A.3.2.10

- (01-08) Number of lanes
- (97) Not applicable
- (99) Unknown

18. Lane vehicle was traveling _____ A.3.1.11/A.3.2.11

- (01-09) Actual lane number
- (10) Right turn only
- (11) Left turn only
- (12) Vehicle traveling opposite intended traffic, any lane
- (97) Not applicable, vehicle not in a lane
- (98) Other, specify _____
- (99) Unknown

19. Lane width In feet/inches _____ / _____ A.3.1.12/A.3.2.12

- (99/97) Not applicable, vehicle not in a lane
- (99/99) Unknown

20. Travel-way width In feet/inches _____ / _____ A.3.1.13/A.3.2.13

- (99/97) Not applicable
- (99/99) Unknown

ROADWAY SURFACE

21. Type of surface _____ A.3.1.14/A.3.2.14

- (01) Concrete
- (02) Asphalt
- (03) Brick

- (04) Stone
- (05) Gravel
- (06) Dirt
- (07) Metallic
- (98) Other, specify _____
- (99) Unknown

22. Surface condition 22a. _____ A.3.1.16.1/A.3.2.16.1

Code up to four 22b. _____ A.3.1.16.2/A.3.2.16.2

(00) None 22c. _____ A.3.1.16.3/A.3.2.16.3

(01) Dry 22d. _____ A.3.1.16.4/A.3.2.16.4

- (02) Wet
- (03) Snow
- (04) Slush
- (05) Ice/frost
- (06) Water (standing, moving)
- (07) Mud, dirt
- (08) Sand
- (09) Gravel
- (10) Oil
- (11) Debris (tire tread, construction materials, tree limbs, etc.)
- (12) Loads dropped from another vehicle
- (13) Tire tread debris
- (98) Other, specify _____
- (99) Unknown

23. Surface defects and special features 23a. _____ A.3.1.1.15/A.3.2.15

Code up to three 23b. _____

(00) None 23c. _____

- (02) Surface cracking (longitudinal, transverse)
- (03) Spalling (breaking up, splintering)
- (04) Potholes
- (05) Ruts
- (06) Bump
- (07) Ripples, ridges
- (08) Pavement edge drop
- (09) Overbanding and tar snakes, describe _____
- (10) Bitumen repair, describe _____
- (11) Tram//train rails
- (13) Rumble strips
- (14) Grooved pavement
- (15) Steel plates
- (16) Speed bumps/humps
- (17) Bridge grating
- (18) Expansion joints
- (98) Other, specify _____
- (99) Unknown

24. Vertical alignment _____ A.3.1.17/A.3.2.17

- (1) Level
- (2) Upgrade
- (3) Crest vertical curve
- (4) Downgrade

- (5) Sag vertical curve
- (8) Other, specify _____
- (9) Unknown

25. Horizontal alignment _____ A.3.1.18/A.3.2.18

- (01) Straight
- (02) Curve right
- (03) Curve left
- (04) Corner right
- (05) Corner left
- (06) Reverse curve right: turn to right, then left, resuming approximate original direction
- (07) Reverse curve left: turn to left, then right, resuming approximate original direction
- (98) Other, specify _____
- (99) Unknown

26. If Horizontal Alignment is any but straight, record the following:

- 26a.** Radius _____ in feet
- 26b.** Chord _____ in feet
- 26c.** Middle Ordinate _____ in feet

27. Auxiliary turn only, no separate signal _____ A.3.1.19/A.3.2.19

- (0) None
- (1) Left turn lane, no separate signal
- (2) Left turn lane, separate signal, lag time = _____ seconds
- (3) Right turn lane, no separate signal
- (4) Right traffic turn lane, separate signal, lag time = _____ seconds
- (8) Other, specify _____
- (9) Unknown

TRAFFIC CONTROLS ON PATH OF TRAVEL

28. Type of Traffic Control _____ A.3.1.20/A.3.2.20

- (01) No traffic control
- (02) Yield sign
- (03) Stop sign
- (04) Three-way, four-way, all-way stop
- (05) Traffic control signal
- (06) Traffic officer
- (07) Construction personnel
- (08) Gate, toll gate
- (09) Pedestrian crossing
- (10) Traffic calming/speed bumps
- (11) Traffic advisory signage, describe _____
- (12) Traffic warning signage, describe _____
- (13) Traffic signal, actuated, two-phase
- (14) Traffic signal, actuated, multi-phase
- (15) Traffic signal, pre-timed, two-phase
- (16) Traffic signal, pre-timed, multi-phase
- (17) Traffic control signal, mid-block pedestrian crossing
- (18) Flasher red
- (19) Flasher yellow
- (98) Other, specify _____

(99) Unknown

29. Was Traffic Control Functioning Properly? _____ A.3.1.21/A.3.2.21

- (1) No, non-operational
- (2) Yes
- (3) Operational, but malfunctioning (ex: signal turn timing is incorrect)
- (7) Not applicable, no traffic control
- (8) Other, specify _____
- (9) Unknown

30. Traffic Control Visible to Vehicle Operator? _____ A.3.1.22/A.3.2.22

- (1) No
- (2) Yes
- (7) Not applicable, no traffic control
- (8) Other, specify _____
- (9) Unknown

31. Traffic Control Violated by Vehicle Operator _____ A.3.1.23/A.3.2.23

- (1) No
- (2) Yes
- (7) Not applicable, no traffic control
- (8) Other, specify _____
- (9) Unknown

32. Traffic density at time of accident _____ A.3.1.24/A.3.2.24

- (1) No other traffic
- (2) Light traffic
- (3) Moderate traffic
- (4) Heavy traffic, traffic moving
- (5) Heavy traffic, congested roadway
- (8) Other, specify _____
- (9) Unknown

33. Visibility Limitation Due To _____ A.3.1.25/A.3.2.25

- (01) Not significantly limited
- (02) Dust
- (03) Smoke
- (04) Smog
- (05) Fog
- (06) Precipitation
- (07) Glare
- (08) Windscreen, visor condition, describe _____
- (09) Misaligned/obscured roadside curved mirror
- (98) Other, specify _____
- (99) Unknown

34. Animal involvement _____ A.3.1.26

- (00) None
- (01) Small dog, less than 20 pounds
- (02) Big dog
- (03) Cat
- (04) Bird
- (05) Cow

- (06) Horse
- (07) Deer
- (08) Sheep
- (09) Squirrel
- (10) Elk
- (98) Other, specify _____
- (99) Unknown

25. Was the animal struck? _____ A.3.1.27

- (1) No, animal not struck
- (2) Yes, animal involved in precipitating event
- (3) Yes, animal struck by motorcycle, or involved with motorcyclist
- (7) Not applicable, no animal involved
- (9) Unknown

36. Pedestrian involvement _____ A.3.1.28

- (0) None
- (1) Yes, pedestrian involved in precipitating event
- (2) Yes, pedestrian involved in collision with motorcycle or motorcyclist
- (9) Unknown

37. Location of pedestrian at precipitating event 37a. Ped 1 _____ A.3.1.29.

- (01) In crosswalk 37b. Ped 2 _____ A.3.1.29.2
- (02) Jaywalking 37c. Ped 3 _____ A.3.1.29.3
- (03) Darting from roadside
- (04) Passenger entering or leaving automobile
- (05) Passenger entering or leaving public transportation
- (06) Darting from roadside near school
- (07) Entering or leaving transportation near school
- (97) Not applicable, no pedestrian involved
- (98) Other, specify _____
- (99) Unknown

38. Stationary view obstructions along the operator's line of sight at time of precipitating event.

- (01) None 38a. _____ A.3.1.30/A.3.2.30
- (02) Buildings 38b. _____
- (03) Signs 38c. _____
- (04) Vegetation, trees, bushes, walls, vegetation covered fences
- (05) Crest vertical curve
- (06) Blind horizontal curve
- (07) Stationary or parked vehicles
- (08) Barricades
- (98) Other, specify _____
- (99) Unknown

39. Mobile view obstructions along the operator's line-of-sight at time of precipitating event. _____ A.3.1.31/A.3.2.31

- (00) None
- (02) Vehicles: automobiles
- (03) Vehicles: light trucks and vans
- (04) Trucks and busses
- (05) Vehicles: special purpose equipment, construction, cranes

- (06) Farm and/or agricultural equipment
- (07) People, pedestrians
- (08) Animals
- (98) Other, specify _____
- (99) Unknown

WORK ZONE-RELATED

40. Was This Crash Work Zone-Related? _____

- (1) No
- (2) Yes
- (9) Unknown

41. Location of Crash within Work Zone _____

- (1) Not in work zone
- (2) Before the first work zone warning sign
- (3) Advance warning area
- (4) Transition area
- (5) Activity area
- (6) Terminal area
- (8) Other, specify _____
- (9) Unknown

42. Type of work zone _____

- (1) Not in work zone
- (2) Lane closure
- (3) Lane shift/crossover
- (4) Work on shoulder or median
- (5) Intermittent or moving work
- (8) Other, specify _____
- (9) Unknown

FIRST HARMFUL EVENT

43. Location Of First Harmful Event _____

- (01) On roadway
- (02) Shoulder
- (03) Median
- (04) Roadside non-median
- (05) Gore area
- (06) Separator (between arterial and frontage road)
- (07) In parking lane or zone
- (08) Off roadway, location unknown
- (09) Outside trafficway
- (98) Other, specify _____
- (99) Unknown

44. If First Harmful Event is a Non-collision _____

- (01) Overturn
- (02) Fire/explosion
- (03) Immersion
- (04) Jackknife
- (05) Cargo/equipment loss or shift

- (06) Fell/jumped from motor vehicle
- (07) Thrown or falling object
- (97) Not applicable, event is a collision
- (98) Other, specify _____
- (99) Unknown

45. If First Harmful Event is a Collision with Motor Vehicle, Pedestrian, Animal, or Fixed Object _____

- (01) Motor vehicle in transport
- (02) Parked motor vehicle
- (03) Work-zone equipment
- (04) Railway/light-rail vehicle
- (05) Pedestrian
- (06) Pedacycle
- (07) Motorcycle
- (08) Animal
- (97) Not applicable
- (98) Other, specify _____
- (99) Unknown

46. If First Harmful Event is a Collision with a Fixed Object _____

- (01) Impact attenuator/crash cushion
- (02) Bridge overhead structure
- (03) Bridge pier or support
- (04) Bridge rail
- (05) Culvert
- (06) Curb
- (07) Ditch or low lying area)
- (08) Embankment, foreslope
- (09) Embankment transverse- slope
- (10) Cut slope, backslope
- (11) Guardrail non-terminal
- (12) Guardrail terminal
- (13) Concrete traffic barrier
- (14) Other traffic barrier
- (15) Trees
- (16) Utility pole, light support
- (17) Traffic sign support
- (18) Traffic signal support
- (19) Other post, pole or support
- (20) Fence
- (21) Mailbox
- (22) Wall, building, tunnel, etc.
- (97) Not applicable
- (98) Other, specify _____
- (99) Unknown

CONTRIBUTING ENVIRONMENTAL FACTORS SUMMARY

47. Roadway Design Defect _____ A.6.1.1.1

- (1) Roadway design defect present but not a contributing factor
- (2) Roadway design defect was the precipitating event
- (3) Roadway design defect was the primary contributing factor

- (4) Roadway design defect was a contributing factor
- (7) Not applicable, no roadway design defect present
- (9) Unknown

48. Roadway Maintenance Defect _____ A.6.1.1.2

- (1) Roadway maintenance defect present, but not a contributing factor
- (2) Roadway maintenance defect was the precipitating event
- (3) Roadway maintenance defect was the primary contributing factor
- (4) Roadway maintenance defect was a contributing factor
- (7) Not applicable, no roadway maintenance defect
- (9) Unknown

49. Traffic Controls Defect or Malfunction _____ A.6.1.1.3

- (1) Traffic controls defect or malfunction present, but not a contributing factor
- (2) Traffic controls defect or malfunction was the precipitating event
- (3) Traffic controls defect or malfunction was the primary contributing factor
- (4) Traffic controls defect or malfunction was a contributing factor
- (7) Not applicable, no traffic controls, or traffic controls operating properly
- (9) Unknown

50. Traffic hazard, including construction and maintenance operations _____ A.6.1.1.4

- (1) Temporary traffic obstruction present but not a contributing factor
- (2) Temporary traffic obstruction was the precipitating event
- (3) Temporary traffic obstruction was the primary contributing factor
- (4) Temporary traffic obstruction was a contributing factor
- (7) Not applicable, no temporary traffic obstruction
- (9) Unknown

51. Weather Related Problem _____ A.6.1.1.5

- (1) Weather made no contribution to accident
- (2) Weather related problem was the precipitating event
- (3) Weather related problem was the primary contributing factor
- (4) Weather related problem was a contributing factor
- (7) Not applicable
- (9) Unknown

52. Effect of the Visual Background of Motor Vehicle Along Motorcycle Rider's Line-of-Sight at Time of Precipitating Event _____ A.6.1.1.6

- (1) Visual background of motor vehicle made no contribution to conspicuity of the vehicle
- (2) Visual background had a positive effect on vehicle conspicuity, vehicle was more noticeable
- (3) Visual background had a negative effect on vehicle conspicuity, vehicle was less noticeable
- (7) Not applicable, view obstructed by foreground
- (9) Unknown

53. Visual Background of Motorcycle along Motor Vehicle Driver's Line-of-Sight at Time of Precipitating Event _____ A.6.1.2.6

- (1) Visual background of motorcycle made no contribution to conspicuity of motorcycle
- (2) Visual background of motorcycle had positive effect on vehicle conspicuity, made motorcycle more noticeable
- (3) Visual background of motorcycle had negative effect on vehicle conspicuity,

- made motorcycle less noticeable
- (7) Not applicable or not applicable view obstructed by foreground
- (9) Unknown

DRAFT