

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  
**3b.** other side of street \_\_\_\_\_ A.3.2.1
- (11) Urban industrial
  - (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  
**6b.** left side \_\_\_\_\_ A.3.1.4.2/A.3.2.4.2
- (1) No adjacent lane
  - (2) Same direction
  - (3) Opposite direction
  - (4) Both directions
  - (7) Not applicable
  - (8) Other, specify \_\_\_\_\_
  - (9) Unknown

- 7. Parked vehicle presence** **7a.** right side \_\_\_\_\_  
**7b.** left side \_\_\_\_\_
- (0) None
  - (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

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