ON SCENE ROAD FORM

CASE NUMBER:_____

Order of data collection on scene

Investigator X

Talk to police, fire brigade, accident involved persons and whitnesses

Fill out the accident form

Fill out the vehicle form

Support investigation steps of investigator Y

Investigator Y

- ☐ Take photos of the vehicle end position(s)
- ☐ Take photos of the collision point(s) / collision object(s)
- ☐ Mark vehicle end position(s), collision point(s) and vehicle / object traces
- ☐ Take photos of all marked areas
- ☐ Draw hand sketch
- ☐ Evaluate all non-permanent sight restrictions
- ☐ Conduct all "on-road" measurements
- ☐ Conduct all "off-road" measurements
- ☐ Fill out the ROAD INSPECTION FORM

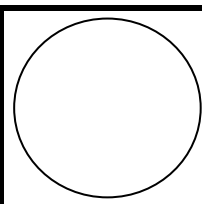
When applicable, use below proposed codes.

—= Not applicable (7777) OT= Other (8888) U= Unknown (9999)

Accident sketch

☐ Road Layout ☐ Point(s) of Impact ☐ Road marks/traces ☐ Object contact(s)

☐ Vehicle/VRU rest pos. ☐ Splinter field(s) ☐ Sight restriction(s) ☐ Other object(s)



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Type of measurement

x-/y-Rectangular Coordinate System

Measure distance from a reference point in x- and y-axis direction

Triangulation

Measure distance from two reference points (pos1, pos2) that have a distinctive position to each other

Path Coordinate System

Measure distance along a path (e.g. edge of a road) in longitudinal and lateral direction

Measurements

Ref x/y _____

Ref tria _____

	Object / Localisation	Type of Measurement x/y	tria	path	measure 1 x/pos 1/long	measure 2 y/pos 2/lat
1						
2						
3						
4						
5						
6						
7						
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ON SCENE ROAD INSPECTION

General

Road Information

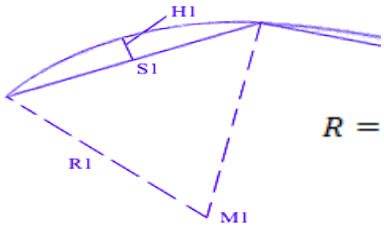
Road Label		(A-Z)
Road number		
Road name		
Road type		2 = Principal arterial; 3 = Secondary arterial; 4 = Collector; 5 = Local
Round about type		2 = Normal; 3 = Mini; 4 = Small; 5 = Double; 6 = Separated

Sight Line

Sight restrictions contributed to the accident		0 = No; 1 = Yes
Restricted sightline, left (intersection)		
Restricted sightline, right (intersection)		
Restricted sightline, along path		
Main cause of blind		2 = Vegetation/embankment; 3 = Signs; 4 = Billboard; 5 = Urban furniture; 6 = Walls/dwellings; 7 = Temporary cause; 8 = Elements linked to road works; 9 = Temporary signs; 10 = Parked vehicles; 11 = Vehicles in circulation (traffic); 12 = Atmospheric conditions

General

Curve radius, R		[m]
Roadway width		[m]
Road gradient		[%]
Construction / maintenance zone		2 = None; 3 = Construction Zone; 4 = Maintenance Zone; 5 = Utility Zone
Traffic control plan (only if construction/maintenance zone)		0 = No; 1 = Yes
Control of Traffic control plan		0 = No; 3 = Yes, approved; 4 = Yes, not approved; 5 = Yes, unknown
Did signage contribute to the accident		0 = No; 2 = Yes (give details and take photos); 3 = Possibly (give details and take photos)
Location of the curve		2 = No curve; 3 = Isolated curve; 4 = First in a series of curves; 5 = Curve within a series of curves
Was there any specific equipment on the road?		0 = No; 2 = Yes, comment



$$R = \frac{S^2}{8 * H}$$

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Geometry

Horizontal Geometry		
Before Locus	**At Locus**	**Beyond Locus**
2 = Left sharp; 3 = Left; 4 = Left slight; 5 = Straight; 6 = Right slight; 7 = Right; 8 = Right sharp		

Vertical Geometry		
Before Locus	**At Locus**	**Beyond Locus**
2 = Up steep; 3 = Up; 4 = Up slight; 5 = Level; 6 = Down slight; 7 = Down; 8 = Down steep		

Bend direction at locus		2 = Bend left; 3 = Bend right
Camber at locus		2 = Positive; 3 = None; 4 = Negative; 5 = Complex

Vulnerable Road User

Vulnerable Road User Facilities

	A	B	
Vulnerable road user facilities			2 = Mixed Traffic 3 = Wide Shoulder 4 = Bicycle Lane 5 = Separated from roadway with kerb 6 = Bicycle lane separated from roadway 7 = Totaly separated bicycle path
Bicycle lane - Roadway separation width (only if separated)			m
Kerb height			mm
Separation strip type			2 = None; 3 = In-level area; 4 = Elevated area; 5 = Lowered area
Separation strip material			2 = Asphalt; 3 = Grass; 4 = Soil; 5 = Gravel; 6 = Leca
Pedestrian crossing facilities		2 = None present 3 = Desire line only 4 = Crossing without markings 5 = Marked pedestrian crossing without traffic signal 6 = Marked pedestrian crossing with traffic signal 7 = Pegasus Crossing 8 = Pelicon Crossing 9 = Puffin Crossing	
Cycle crossing facilities		2 = None present 3 = Desire line only 4 = Cycle passage 5 = Marked crossing without traffic signal 6 = Marked crossing with traffic signal	

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Road Area

Road Design

Road Component

Make a brief sketch of the road components from left to right (dont't forget to take a picture to fill out more details back in the office)

Road component type	2 = Barrier; 3 = Median barrier; 4= Hard shoulder; 5 = Marking; 6 = Rumblestrip; 7 = Lane active; 8 = Lane inactive; 9 = Median

Lane

Road Surface

LANE ID	1	2	3	4	
Design order					
Roadway surface type					See 1. below
Road surface contaminants					See 2. below
Road conditions					See 3. below

1. Roadway surface type	2. Road surface contaminants	3. Road conditions
2 = Asphalt	2 = None	2 = Dry
3 = Drainage Asphalt	3 = Mud	3 = Wettish
4 = Gravel	4 = Gravel	4 = Wet
5 = Concrete	5 = Leaves	5 = Thin ice
6 = Brick	6 = Oil	6 = Thick ice/packed snow
7 = Block	7 = Fuel	7 = Fresh snow/slash
	8 = Dropped tires	8 = Hail
	9 = Discarded load	
	10 = Multiple, comment	

Road Surface (continued)

Snow depth					(cm)
Road surface temperature					(degrees C)
Snow clearance status					2 = Cleared 3 = Not Cleared
Snow clearance date					yyyymmdd
Skid-control status					2 = Performed 3 = Not performed
Skid-control date					yyyymmdd

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LANE ID	1	2	3	4	
Microscopic road surface condition					(mm)
Macroscopic road surface condition					2 = None 3 = Lane grooves 4 = Tram rails 5 = Potholes 6 = Asphalt patchwork 7 = Bitumen patchwork 8 = Bleeding asphalt 9 = Multiple
Road friction coefficient (table value)					
Road friction coefficient (measured value)					
Track depth					(mm)
Track depth according to inspector					(mm)
Lane cross fall %					
Lane cross fall according to inspector					

Traffic Regulation

LANE ID	1	2	3	4	
Restrictions in passing/overtaking					See 1. below
Traffic regulation					See 2. below
Traffic light type					See 3. below
Traffic light function					See 4. below
Special lane type					0 = No; 1 = Yes

1. Restrictions in passing/overtaking	2. Traffic regulation	3. Traffic light type	4. Traffic light function
0 = No 3 = Yes, No passing sign 4 = Yes, No passing for heavy vehicles 5 = Yes, No passing + special rule	2 = Right-side priority rule 3 = Priority road 4 = Mandatory give-way 5 = STOP-sign 6 = Traffic lights 7 = Weaving 8 = Entrance	2 = Ordinary, red, yellow, green 3 = Right-turn 4 = Left-turn 5 = Public transport signal	2 = In operation 3 = Amber flashing light 4 = Out of order

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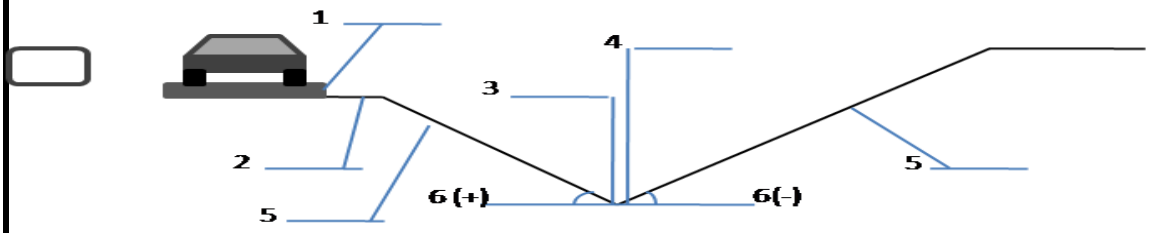
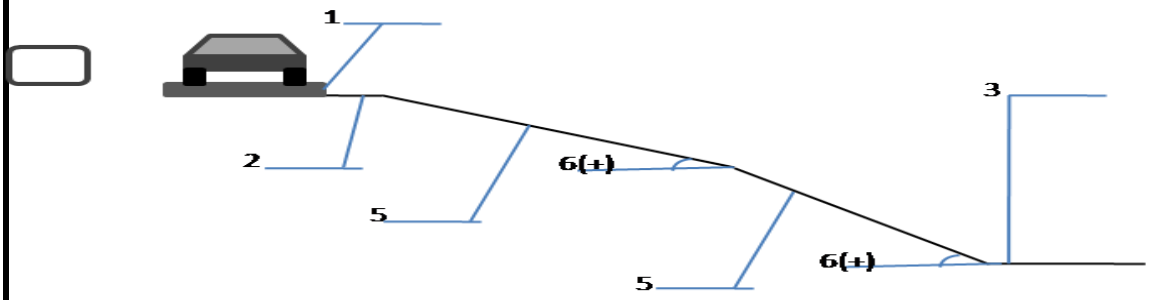
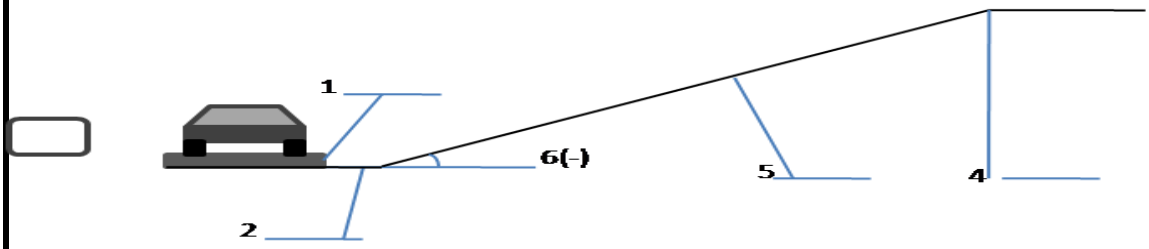
Road Side

1. Drop-off height (mm)		4. Ditch depth towards the back slope (m)	
2. Support strip width (m)		5. Slope length (m)	
3. Ditch depth (m)		6. Slope gradient (m)	

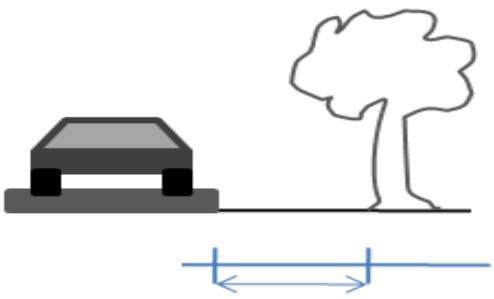


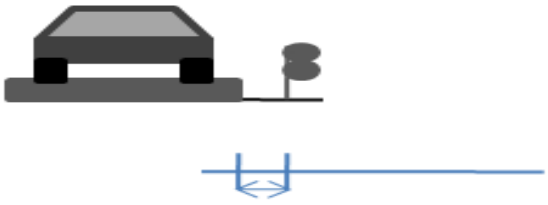




Support strip material stiffness		2= Hard; 3= Medium; 4= Light

	Slope 1	Slope 2	
Material in slope			2 = Grass; 3 = Soil; 4 = Gravel; 5 = Leca; 6 = Asphalt
Material stiffness			2 = Hard; 3 = Medium; 4 = Light





Distance to rigid object		m
Reduced view in road side		0 = No; 1= Yes

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Collision Objects

Object number	1	2	3	4	
Type of object					See 1. below
Distance from road edge					m
Single object width					cm
Single object deformable					2 = Not deformable 3 = Break away design 4 = Energy absorbing design 5 = Brake away other 6 = Deformable other
Collision vehicle					

1. Type of object

2 = Animal	10 = Overpass	18 = Light post
3 = Boulder	11= Barrier	19 = Post, other
4 = Ground/ditch	12 = Barrier end with energy absorbing structure	20 = Culvert
5 = Kerb	13 = Barrier end	21 = Fence
6 = Building	14 = Crash cushion	22 = Wall
7 = Bridge abutment	15 = Traffic sign post	23 = Tree (standing tree only)
8 = Bridge pier	16 = Traffic signal post	24 = Snow bank
9 = Bridge parapet	17 = Overhead sign support	25 = Other

Barrier Impacts

Barrier	1	2	
Barrier name			text
Barrier capacity class			1= N2, 2=H2
Barrier working width [m]			
Barrier height [m]			
Element width [m]			
Element length [m]			
C/C length			
Barrier clearance [m]			
Barrier contact length [m]			
Barrier deformation length [m]			
Barrier deformation height [m]			
Barrier max. deformation [m]			
Barrier screw dimension			2 = M10; 3 = M16
Barrier screw steel quality			2 = 4,6; 3 = 8,8; 7 = Unmarked

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Animal		
Animal type		2 = Badger; 3 = Cow; 4 = Deer; 5 = Elk; 6 = Horse (without rider); 7 = Rein deer; 8 = Roe deer; 9 = Small domestic animals; 10 = Small wild animals; 11 = Wild boar
Animal weight [kg]		

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