Road inspection protocol

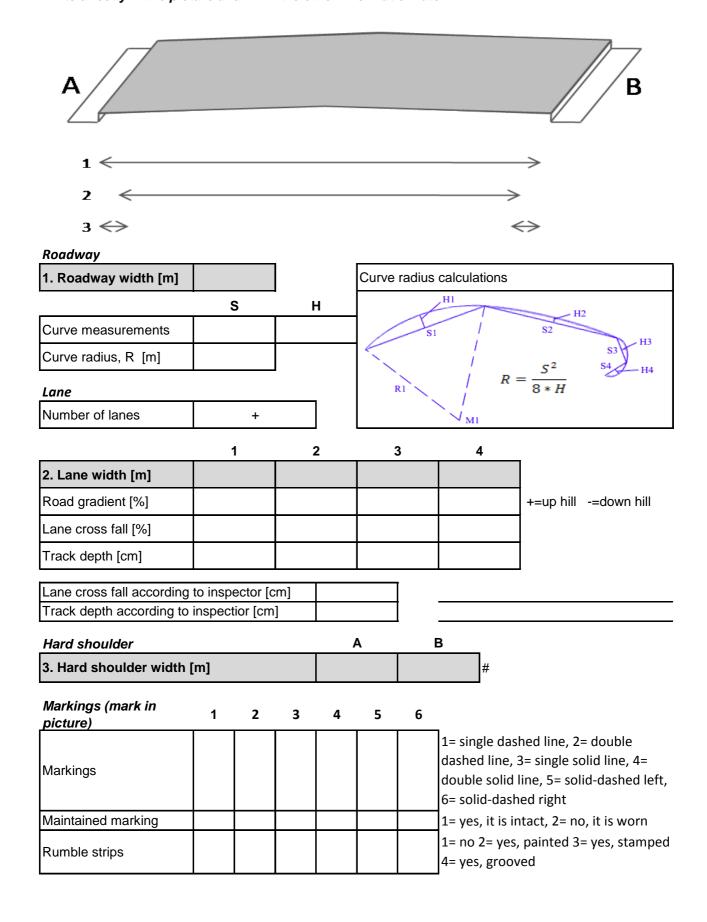
	CASE nr		
	Intro		
7	Geometrics Road and lane information		
Road	Office variables Roadside information	•	
	Geometrics]	
Road 2	Road and lane information Office variables		
_	Roadside information] 1	
	Collision objects Additional protocols	l	

U=Unknown

- = Not applicableOT = other

Case number	
Road investigators	name
Road inspection duration	hh:mm
	start
	end
Road inspection date	yyyymmdd (if on-scene, write o-s)
Distance to accident site	hh:mm
GPS - Reference point	x y
Reference point	
Accident site	
Accident site type	1= one road, 2= crossroads, 3= T-junction, 4= Y-junction, 5= roundabout, 6= slip road/ ramp
Number of road legs (if roundabout or other)	

Road 1 Geometric data Write directly in the picture and fill in the other information later



Road information General (see NVDB: http://www20.vv.	.se/NVDB Webb/login.aspx)			
Road number				
Road name				
Road administrator	1= state road, 2= municipal road, 3= private road			
Road network classification (only on state roads)	1= European road, 2= national road, 3= county road			
No state road EuroRAP (see INTACT_Riktlinjer_för	_insamling_av_data_som_inte_insamtalt_i_fält_Bilaga2.pdf)			
EuroRAP-stars	1= 1 stars, 2= 2 stars, 3= 3 stars, 4= 4 stars, 5= not rated			
EuroRAP-star rating date	yy/mm/dd			
Road design				
Road type	1= walking pace street, 2= city street, 3= rural road, 4= express road, 5=motorway			
Roadway surface type	1= asphalt, 2= drainage asphalt, 3= gravel, 4= concrete, 5=brick or block			
Median type	1= none, no median line 2= none, median line 3= in-level area, 4= elevated area, 5= lowered area			
Median material (if median)	1= asphalt, 2= grass, 3= soil, 4= gravel, 5= leca			
Median road barrier (if median)	1= none, 2= steel beam, 3= steel tube, 4= cable, 5= concrete			
Vulnerable road user facilities	—— А В			
Vulnerable road user facilities	1= mixed traffic, 2= wide shoulder, 3= bicycle lane separated from roadway with kerb, 4= bicycle lane separated from roadway, 5= totally separated from roadway (no road users allowed on the road)			
Bicycle lane - Roadway separation width (only if seperated) [m]				
Separation strip type (if seperated)	1= in-level area, 2=elevated area, 3=lowered area			
Separation strip material	1= asphalt, 2= grass, 3= soil, 4= gravel, 5= leca			
Kerb height (only if kerb) [cm]				
				
Pedestrian crossing facilities	1= none present, 2= desire line only, 3= "gångpassage", 4= marked pedestrian crossing without traffic signal, 5= marked pedestrian crossing with traffic signal			
Cycle crossing facilities	1= none present, 2= desire line only, 3= "gångpassage", 4= marked crossing without traffic signal, 5= marked crossing with traffic signal			

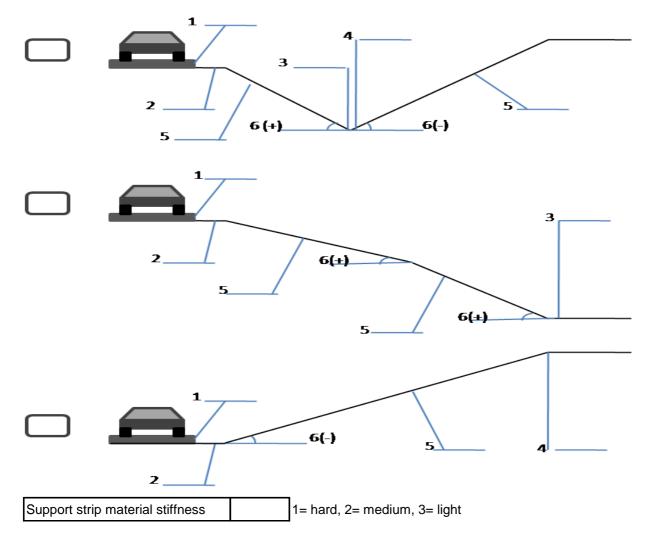
No state road					
Traffic (see Trafic flow maps: htt	os://gis.v	v.se/tfk2/	tfk/indext	ikk.aspx?	config=tikk
Average annual daily traffic (only					
on state roads)					
AADT, level of confidence (only on					
state roads)					
Average annual daily traffic for					
trucks (only on state roads)					
AADT for trucks, level of					
confidence (only on state roads)					
Measured in year (only on state		1000			
roads)		уууу			
Average speed on road for cars,		7			
day (only on state roads)*					
*Traffic flow when measured		-			
		4			
Average speed on road for cars,					
night (only on state roads)**		4			
**Traffic flow when measured					
Period when measured (only on		•			
state roads)					
		yyyy-mm	-dd hh:mn	n - yyyy-m	m-dd hh:mm
			_		
No construction/maintenance zo	ne				
Construction / maintenance zone	(see TIC	:en)	 -		
Construction / maintenance zone		1= none,	2= constr	uction zon	e, 3= maintenance zone, 4= utility
Constitution, maintenance zene		zone			
Traffic control plan (only if					
construction/maintenance zone)		1= yes, 2	= no		
		4			
Control of Traffic control plan		1= no, 2=	yes, not	approved,	3= yes, approved, 4= yes, unknown
·					
Lane information					
Lane id	1	2	3	4	
] ,, , , , , , , , , , , , , , , , , ,
Original speed limit					w= walking speed, 20, 30, 40, 50,
					60, 70, 80, 90, 100, 110, 120, 130
					1
Type of additional speed limit					1= none, 2= temporary, 3= variable
Type of additional speed in the					(dynamic), 4= recomended
					1
Additional speed limit					w= walking speed, 20, 30, 40, 50,
(if variable, see TIC.en)					60, 70, 80, 90, 100, 110, 120, 130
					1
Microscopic road surface condition					(no values yet, describe)
					4 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
[1= lane grooves, 2= tram rails, 3=
Macroscopic road surface					potholes, 4= asphalt patchwork, 5=
condition					bitumen patchwork, 6= bleeding
					asphalt, 7= good condition
		<u> </u>		<u> </u>	J

Road conditions Lane id	1	2	3	4	
	-			1	1= dry, 2=wettish, 3= wet, 4= thin
Road conditions					ice, 5= thick ice/ packed snow, 6=
					fresh snow/slash, 7= hail
Road surface temperature [C°]					1
					1= none, 2= mud, 3= gravel, 4=
Road surface contaminants					leaves, 5= oil, 6= fuel, 7= dropped
					tires, 8= discarded load, 9=standing water
Road friction coefficient (table					#
value) Road friction coefficient				+	1
(measured value)					#
No analy		1			
No snow Snow clerande and skid control (See TIC:	l en)			
Snow depth [cm]					
Snow clearance				†	yy/mm/dd hh:mm
Skid-control				 	yy/mm/dd hh:mm
ONIC CONTROL			<u> </u>	ļ	
No junction]			
Junction information Junction travel direction		ı	<u> </u>		74 in 2 out
Special lane type				+	1= in, 2= out text, for example public transport
					1= ahead, 2= right turn, 3=
Lane travel type					ahead+right turn, 4= left turn, 5=
					ahead+left turn, 6= all directions
					1= right-side priority rule, 2=
Lane based traffic regulation					priority road, 3= mandatory give- way, 4 =STOP-sign, 5= traffic light,
					6= weaving, 7= entrance
Traffic light type (only if traffic					1= ordinary, red, yellow, green 2=
light)					Right-turn, 3= Left-turn, 4= Public
				<u> </u>	transport signal
Traffic light function (only if traffic					1= In operation, 2= Amber flashing
light)					light, 3= Out of order
No traffic information		1			
Traffic at accident time (http://ww	w3.vv.se	e/gbg_tra	fficinforn	nation/)	_
State measure station					
Speed at accident time [km/h]					
Traffic flow at accident time					- #
Traffic at accident time, level of				1	1
confidence					# -
Truck traffic at accident time					#
Truck traffic at accident time, level of confidence					#
or commutation		I		1	

Road side information

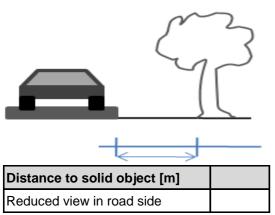
- 1. Drop-off height
- 2. Support strip width
- 3. Ditch depth

- 4. Ditch depth towards the back slope
- 5. Slope length
- 6. Slope gradient

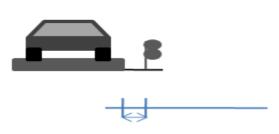


Slope	1	Slope	2
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_		 	_
	Material in slope		1= grass, 2= soil, 3= gravel, 4= leca, 5= asphalt
ſ	Material stiffness		1= hard, 2= medium, 3= light



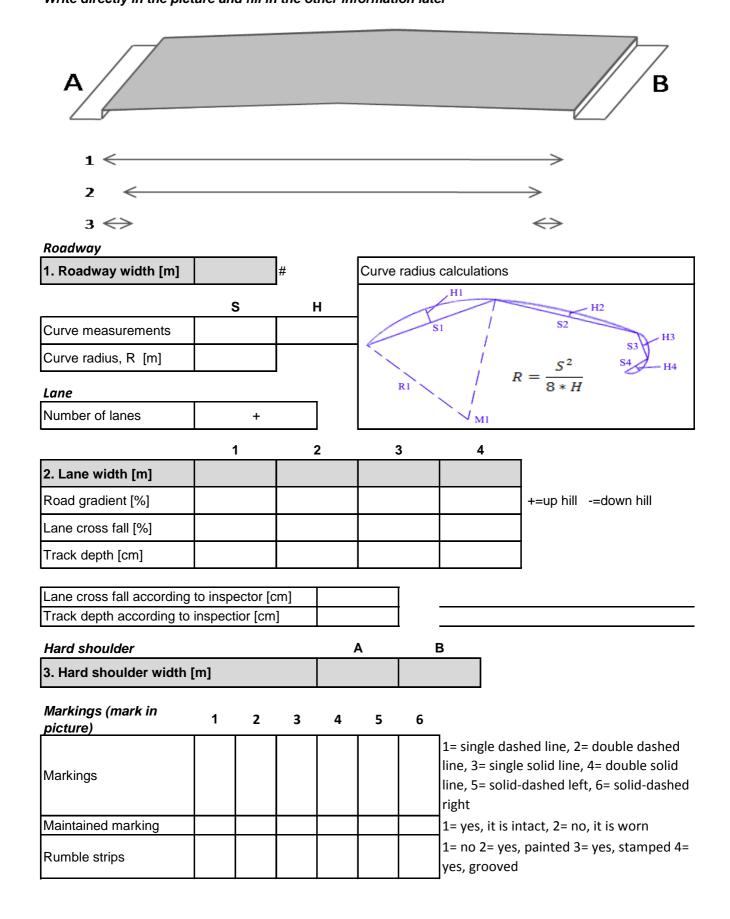
1= no, 2= yes



Roadside barrier set back [m]	
Roadside barrier type	

1= none, 2= steel beam, 3= steel tube, 4= cable, 5= concrete

Road 2
Geometric data
Write directly in the picture and fill in the other information later



Road information General (see NVDB: http://www20.vv.	.se/NVDB Webb/login.aspx)			
Road number				
Road name				
Road administrator	1= state road, 2= municipal road, 3= private road			
Road network classification (only on state roads)	1= European road, 2= national road, 3= county road			
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EuroRAP-stars	1= 1 stars, 2= 2 stars, 3= 3 stars, 4= 4 stars, 5= not rated			
EuroRAP-star rating date	yy/mm/dd			
Road design				
Road type	1= walking pace street, 2= city street, 3= rural road, 4= express road, 5=motorway			
Roadway surface type	1= asphalt, 2= drainage asphalt, 3= gravel, 4= concrete, 5=brick or block			
Median type	1= none, no median line 2= none, median line 3= in-level area, 4= elevated area, 5= lowered area			
Median material (if median)	1= asphalt, 2= grass, 3= soil, 4= gravel, 5= leca			
Median road barrier (if median)	1= none, 2= steel beam, 3= steel tube, 4= cable, 5= concrete			
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Vulnerable road user facilities	1= mixed traffic, 2= wide shoulder, 3= bicycle lane separated from roadway with kerb, 4= bicycle lane separated from roadway, 5= totally separated from roadway (no road users allowed on the road)			
Bicycle lane - Roadway separation width (only if seperated) [m]				
Separation strip type (if seperated)	1= in-level area, 2=elevated area, 3=lowered area			
Separation strip material	1= asphalt, 2= grass, 3= soil, 4= gravel, 5= leca			
Kerb height (only if kerb) [cm]				
Pedestrian crossing facilities	1= none present, 2= desire line only, 3= "gångpassage", 4= marked pedestrian crossing without traffic signal, 5= marked pedestrian crossing with traffic signal			
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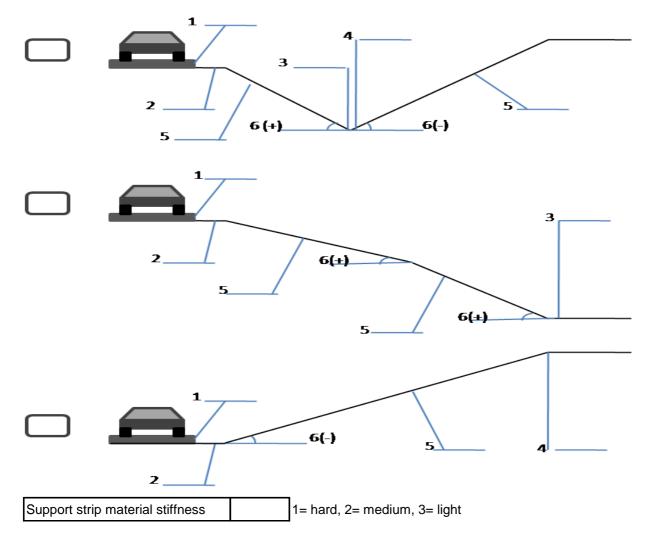
No state road							
Traffic (see Trafic flow maps: htt	os://gis.v	v.se/tfk2/t	tfk/indexti	ikk.aspx?	config=tikk		
Average annual daily traffic (only		1					
on state roads)							
AADT, level of confidence (only on							
state roads)							
Average annual daily traffic for							
trucks (only on state roads)							
AADT for trucks, level of							
confidence (only on state roads)							
Measured in year (only on state		\^^/					
roads)		уууу					
[A		1					
Average speed on road for cars,							
day (only on state roads)*							
*Traffic flow when measured							
Average speed on road for cars,							
night (only on state roads)**							
**Traffic flow when measured							
Period when measured (only on		•					
state roads)							
		yyyy-mm-	-dd hh:mm	ı - yyyy-m	m-dd hh:mm		
			_				
No construction/maintenance zo	ne						
Construction / maintenance zone	(see TIC	:en)	_				
Construction / maintenance zone		1= none,	2= constru	uction zon	e, 3= maintenance zone, 4= utility		
Construction / maintenance zone		zone					
Traffic control plan (only if							
construction/maintenance zone)	1= yes, 2= no						
derioti detion, maintenante Zene,							
Control of Traffic control plan			yes, not a	approved,	3= yes, approved, 4= yes,		
Control of Traine control plan		unknown					
		<u>-</u>					
Lane information	_		_				
Lane id	1	2	3	4	1		
					w= walking speed, 20, 30, 40, 50,		
Original speed limit					60, 70, 80, 90, 100, 110, 120, 130		
					00, 70, 00, 00, 100, 110, 120, 100		
					1= none, 2= temporary, 3=		
Type of additional speed limit					variable (dynamic), 4=		
					recomended		
					1		
Additional speed limit					w= walking speed, 20, 30, 40, 50,		
(if variable, see TIC.en)					60, 70, 80, 90, 100, 110, 120, 130		
		!		<u> </u>	•		
Microscopic road surface condition					(no values yet, describe)		
INICIOSCOPIC TOAU SUITACE CONUNIOTI					(no values yet, describe)		
					1= lane grooves, 2= tram rails, 3=		
Macroscopic road surface					potholes, 4= asphalt patchwork,		
condition					5= bitumen patchwork, 6=		
					bleeding asphalt, 7= good		
					condition		

Road conditions					
Lane id	1	2	3	4	٦
Road conditions					1= dry, 2=wettish, 3= wet, 4= thin ice, 5= thick ice/ packed snow, 6= fresh snow/slash, 7= hail
Road surface temperature [C°]					#
Road surface contaminants					1= none, 2= mud, 3= gravel, 4= leaves, 5= oil, 6= fuel, 7= dropped tires, 8= discarded load, 9=standing water
Road friction coefficient (table value)					#
Road friction coefficient (measured value)					#
No snow Snow clerande and skid control	(See TIC:	en)			7
Snow depth [cm]					
Snow clearance					yy/mm/dd hh:mm
Skid-control					yy/mm/dd hh:mm
No junction Junction information]			
Junction travel direction					1= in, 2= out
Special lane type					text, for example public transport
Lane travel type					1= ahead, 2= right turn, 3= ahead+right turn, 4= left turn, 5= ahead+left turn, 6= all directions
Lane based traffic regulation					1= right-side priority rule, 2= priority road, 3= mandatory give-way, 4 =STOP-sign, 5= traffic light 6= weaving, 7= entrance
Traffic light type (only if traffic light)					1= ordinary, red, yellow, green 2= Right-turn, 3= Left-turn, 4= Public transport signal
Traffic light function (only if traffic light)					1= In operation, 2= Amber flashing light, 3= Out of order
No traffic information Traffic at accident time (http://www.state measure station	ww3.vv.se	e/gbg_tra	fficinforn	nation/)	7
Speed at accident time [km/h]	 				1
Speed at accident time [km/n]					1
Traffic flow at accident time					#
Traffic at accident time, level of confidence					#
Truck traffic at accident time					#
Truck traffic at accident time, level of confidence					#

Road side information

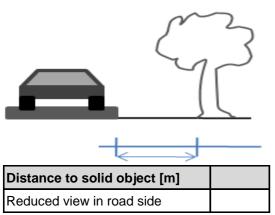
- 1. Drop-off height
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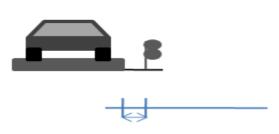


Slope	1	Slope	2
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	 	_
Material in slope		1= grass, 2= soil, 3= gravel, 4= leca, 5= asphalt
Material stiffness		1= hard, 2= medium, 3= light



1= no, 2= yes



Roadside barrier set back [m]	
Roadside barrier type	

1= none, 2= steel beam, 3= steel tube, 4= cable, 5= concrete

Collision objects

Single objects

Object number	1	2	3	4	5	6	_
Type of object (see *)							
Distance from road edge [m]							
Single object width [cm]							
Single object deformable							1= no, 2= yes, partly, 3= yes, full
Collision vehicle							

- *) 1= Boulder, 2= Ground/Ditch, 3= Kerb, 4= Building, 5= Bridge Pier or Abutment, 6= Bridge Parapet,
- 7= Bridge Overhead Structure, 8= Guardrail Face, 9= Guardrail End,
- 10= Guardrail end with crash cushion, 11= Impact Attenuator/Crash Cushion,
- 12= Highway/Traffic Sign Post/Sign, 13= Traffic Signal Support/Signal,
- 14= Overhead Sign Support/Sign, 15= Luminary/Light Support, 16= Other Post, other pole, or other,
- 17= Culvert, 18= Fence, 19= Wall, 20= Tree (Standing Tree Only), 21= Snow Bank

Animals

Barrier screw steel quality

Animal type	1= elk, 2= roe deer, 3= deer, 4= rein deer, 5= wild boar, 6= badger, 7= small wild animals, 8= horse (without rider), 9= cow, 10 small domestic animals
Animal weight [kg]	#

Barrier information (see VV: http://www.vv.se/templates/page3____10948.aspx) Barrier 1 2 3 Barrier name text 1= N2, Barrier capacity class 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 maximal deformation [m] Vägverkets variables Barrier screw dimension