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Table 1: Overview of ODD Attributes (section 2.1) and the Chosen ODD1 and ODD2 (section 4.2)

ODD Attributes	Attributes	Sub- Attributes	Sub-Attributes	Sub-Attributes	Capal ODD1	bility ODD2
		Geo-Fenced Areas	-	-	×	×
		Traffic Management		-	×	×
		School Zones		-	×	×
	Zones	Region or Counties	Urban roads	-	√	×
			Rural roads	-	×	√
			Suburban roads	-	×	√
		Interference		-	×	×
		Road Type	Radial Roads	-	√	×
		Ttotal Type	Distributor Roads	-	√	×
			Minor Roads	-	√	V
			Slip Roads	-	-	-
			Parking Roads	-	-	×
			Shared Space	-	1	×
				Active Management	· ·	×
			Motorways	No Active Management	· ·	×
		Geometry	Horizontal Plane	Curves	· ·	×
		Geometry	Horizontai i iane	Straight	V	^
			Longitudinal Plane	Down slope	V	×
			Transverse Plane	level Plane		
					√	X
				Up slope	√	×
				divided	√	×
				un divided	√	×
				divided	√	×
				Pavements	√	×
				barriers on edges	✓	×
Scenery	Derivable Area			types of lanes together	√	×
		Lane Specification	Lane Dimension		√	×
			Lane Markings		√	×
			Number of Lanes		2-3	2
			Direction of Lane	Right-hand traffic	√	√
			Direction of Lane	Left-hand traffic	×	×
			Lane Type	Bus Lane	×	×
				Traffic Lane	√	√
				Cycle Lane	×	×
				Tram Lane	×	×
				Emergency Lane	×	×
				Other special purpose Lane	×	×
		Road Signs	Information Signs	Uniform	7	×
		Road Signs	Information Signs	Variable	· ·	×
			Regulatory Signs	Uniform	V	×
				Variable	V	×
			Warning Signs	Uniform	V	×
			Warning Signs	Variable	V	×
		Roadway Edge	Line Markers	- variable	V	×
		Roadway Edge	No Edge	-	V	×
			Shoulder (paved or grass)	-	√	×
			Shoulder (grass)	-	√	×
			Solid Barriers	-	√	√
			Temporary Line Markers	=	×	×
		Road Surface	road surface type Road Surface Features	Loose	√	×
				Segmented	✓	×
				Uniform	√	√
				Cracks	✓	×
				Potholes	√	×
				Ruts	√	×
				Swells	√	×
				Icy	×	×
				Flooded roadways	×	×
				Mirage	×	×
			Induced road surface conditions	Snow	V	×
				Standing water	×	×
				Wet road	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	×
				Surface contamination	×	×
			Grade separated	-	\ \frac{1}{}	×
	Junction	Intersection	Staggered	-	V	×
			Y-Junction	-	V	×
			T-Junction		V	×
			Crossroads	Signalized Crossroads	V	× -
			Crossroads			
			Comment	Non-Signalized Crossroads	X	×
			Compact	Signalized	√	×
		Roundabouts	D. H.	Non-Signalized	X	×
			Double	Signalized	√	×
				Non-Signalized	×	×
			Large	Signalized	√	×
				Non-Signalized	×	×
			Mini	Signalized	√	×

Table 1: Overview of ODD Attributes (section 2.1) and the Chosen ODD1 and ODD2 (section 4.2) (continued)

F	Special Structures Fixed Road Structures Temporary Road Structures	Automatic Access Control Bridges Pedestrian Crossing Rail Crossing Tunnels Toll plaza Buildings Street lights Street Furniture Vegetation Construction Site Detours	Normal Bus stop	Non-Signalized Signalized Non-Signalized	X	X
I S	Fixed Road Structures Temporary Road	Bridges Pedestrian Crossing Rail Crossing Tunnels Toll plaza Buildings Street lights Street Furniture Vegetation	Bus stop	Signalized	× × × × × × × × × × ×	× × × × × × × × × × × ×
I S	Fixed Road Structures Temporary Road	Bridges Pedestrian Crossing Rail Crossing Tunnels Toll plaza Buildings Street lights Street Furniture Vegetation	Bus stop	Signalized	× × × × × × × × × × ×	× × × × × × × × × ×
I S	Fixed Road Structures Temporary Road	Bridges Pedestrian Crossing Rail Crossing Tunnels Toll plaza Buildings Street lights Street Furniture Vegetation	Bus stop		× × × × × × × × × ×	× × × × × × × ×
I S	Fixed Road Structures Temporary Road	Bridges Pedestrian Crossing Rail Crossing Tunnels Toll plaza Buildings Street lights Street Furniture Vegetation			×	× × × × × × ×
I S	Fixed Road Structures Temporary Road	Bridges Pedestrian Crossing Rail Crossing Tunnels Toll plaza Buildings Street lights Street Furniture Vegetation			× × × ×	×
I S	Fixed Road Structures Temporary Road	Pedestrian Crossing Rail Crossing Tunnels Toll plaza Buildings Street lights Street Furniture Vegetation			× × × ×	× × ×
I S	Fixed Road Structures Temporary Road	Rail Crossing Tunnels Toll plaza Buildings Street lights Street Furniture Vegetation			× × ×	×
F S	Fixed Road Structures Temporary Road	Tunnels Toll plaza Buildings Street lights Street Furniture Vegetation			×	×
5.	Structures Temporary Road	Toll plaza Buildings Street lights Street Furniture Vegetation			×	×
5.	Structures Temporary Road	Buildings Street lights Street Furniture Vegetation			×	
5.	Structures Temporary Road	Street lights Street Furniture Vegetation				1 ×
5.	Structures Temporary Road	Street Furniture Vegetation			1 ./	
5.	Structures Temporary Road	Vegetation				×
5.	Temporary Road				✓	×
5.	Temporary Road		Street Camera		×	×
Ę	1 0	Construction Site Determs			×	×
Ę	1 0	Constituction afte Detours			×	×
Ę	1 0	Refuse Collection			×	×
	Structures	Road Works			×	×
		Road Signage			√	×
,	ı	0 0	Rainfall Type	Convective rainfall	×	×
1	Weather	Rainfall		Dynamic Rainfall		×
,		Italillali		Orographic Rainfall	×	×
		Wind		Orographic Italilian	×	×
		Snowfall			×	×
	Particulates	Marine			×	
		Sand & Dust				×
					×	×
1		Smoke & Pollution			×	×
		Volcanic ash			×	×
Environmental —		ice crystal			×	×
Conditions	Illumination	Day	Sun Position	Sun behind	✓	✓
Conditions				Sun in front	√	√
				Sun to the left	✓	✓
,				Sun to the right	✓	√
1		Low light	Low ambient		×	×
			Night		×	×
		cloudiness			√	✓
		Artificial Illumination	Street Lighting		×	×
			Vehicle Lighting		×	×
	Connectivity		V2V		7	×
		Communication	V2I		×	×
		Positioning	Galileo		×	×
`			GPS		×	×
			GLONASS		×	×
	Subject Vehicle	M. All. H. C.	GLONADO		40-	
		Max Allowable Speed				20-
		D			60km/hr	40km/
5		Density of Agents			Mod	low
Dynamic Elements		Volume of Traffic			Mod	less
2 J. Hallie Elements		Flow rate			Mod	slow
		Presence of special vehicle			×	×
	Traffic	Agent Type	Animal		√	√
			Human		-	√
			Vehicle		V	

(Mod = Moderate)