

STEP	TIME	VEHICLE ACTIONS	DRIVER ACTIONS	IVSAWS UNIT	HUMAN FACTORS
1	t_0	Vehicle approaches hazard	Driver uses normal driving skills	No Action. Signal not yet detected	
2	t_0			Signal detected Signal analyzed Warning selected	
3	t_1			Warning generated by visual and aural synthesizers	
4	t_2		Driver detects warning signal		
5	t_3		Driver understands warning		
6	t_4		Driver decides warning response		
7	t_5		Driver begins warning response		
8	t_6	Vehicle in sight of hazard			
9	t_7		Driver detects hazard		
10	t_8		Driver recognizes hazard		
11	t_9		Driver decides hazard avoidance response		
12	t_{10}		Driver begins hazard avoidance response		
13	t_{11}	Vehicle avoids hazard	Driver continues normal driving		

Figure 19. Driver alert distance time line.