



**SPEED  
&  
SPACE  
MANAGEMENT**

# SPEEDING WILL COST YOU?



# REAR-END COLLISION ACCIDENTS - WHAT CAUSES THEM?



# SPEEDING

- **Speeding is the major cause of fatal accidents**
- **40% of fatal accidents are related to drinking & driving**
- **30% of fatal accidents are related to speeding**



# SPEED AFFECTS STOPPING DISTANCES

## TRUCK STOPPING DISTANCE TABLE

SPEED		PERCEPTION & REACTION DISTANCE		BRAKE LAG DISTANCE		EFFECTIVE BRAKING DISTANCE		TOTAL STOPPING DISTANCE		+2 Sec. C.	Assured Safe Non-Collision Stopping Distance
MILES PER HR	FT PER SECOND										
10	15	15	6	10	31	60					
15	22	22	9	15	46	90					
20	29	29	12	20	61	120					
25	37	37	15	31	83	156					
30	44	44	18	45	107	195					
40	59	59	24	80	163	280					
50	73	73	30	125	228	375					
55	80	80	33	150	264	425					
60	88	88	35	180	303	480					
65	95	95	38	215	348	539					

Perception & reaction distance = feet traveled in 1.0 seconds.

Brake lag distance = feet traveled in .4 seconds

Effective brake distance = feet traveled after brakes make contact with the drums.

Total stopping distance = perception + brake lag + effective brake distance.

Assured stopping distance = all four of the above + 2 seconds.

This chart shows only stopping distances for dry roads. For wet, snow covered or icy roads,

multiply Total Stopping by 3 to 12 times.

# FOLLOWING DISTANCES

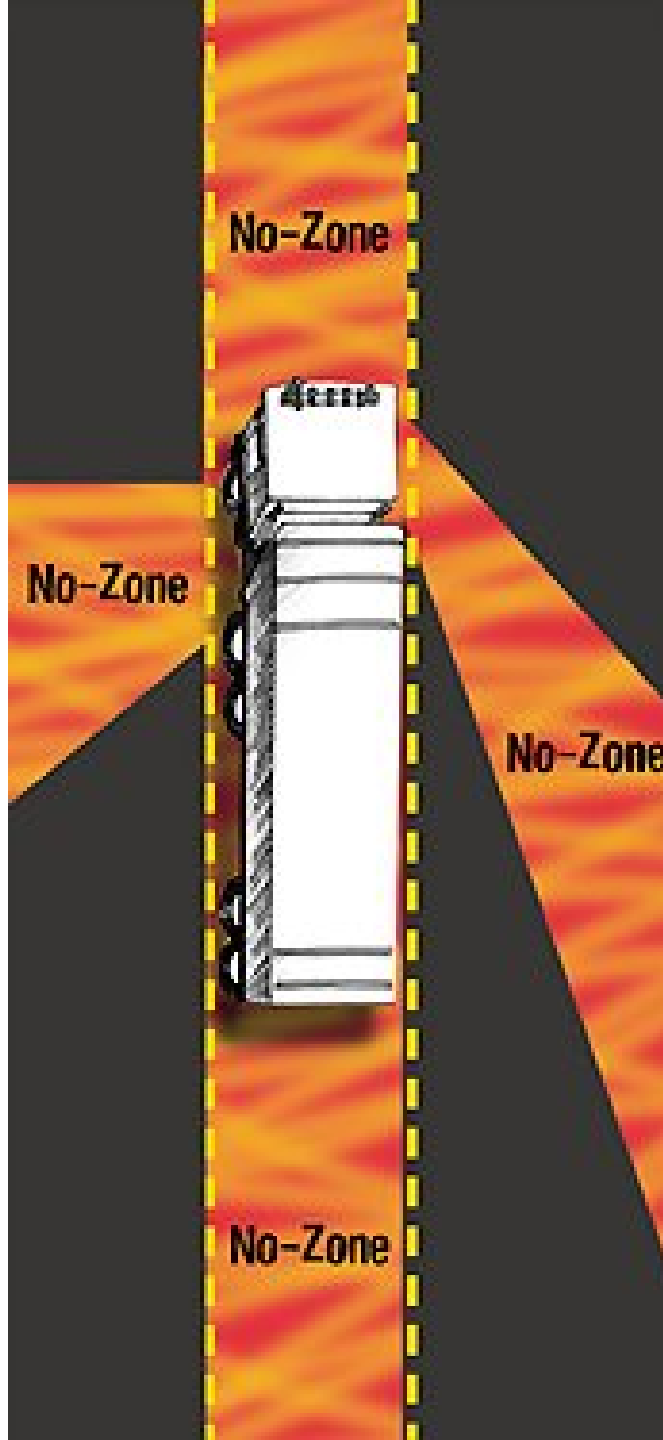
SPEED	STOPPING DIST	SAFE FOLLOWING DIST	SECONDS
10 mph	14 ft	44 ft	3.0 sec
20 mph	44 ft	100 ft	3.5 sec
30 mph	88 ft	175 ft	4.0 sec
40 mph	146 ft	263 ft	4.5 sec
50 mph	220 ft	365 ft	5.0 sec
60 mph	306 ft	482 ft	5.5 sec
70 mph	409 ft	614 ft	6.0 sec



# SPACE



# MAINTAIN SPACE



# ON ALL 4 SIDES



**THE END**