



Decision: Stop or Go ?



The decision zone... Because of driver variations



2008/04/24 15:30:28

15:30:28 4/24/2008

Logging View

Id	Range	Speed
05417	295	26
05426	265	22
05420	220	41
05412	200	25

05402	105	22
05403	65	21

05421	-5	30
05418	-55	34

2	6	8
1	5	7

Id Range Speed

2008-04-24 15:30:28.3



Write a description for your map.

Google Earth

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N

8.50 ft

Advance Detection - Designed to increase Intersection Safety and Efficiency

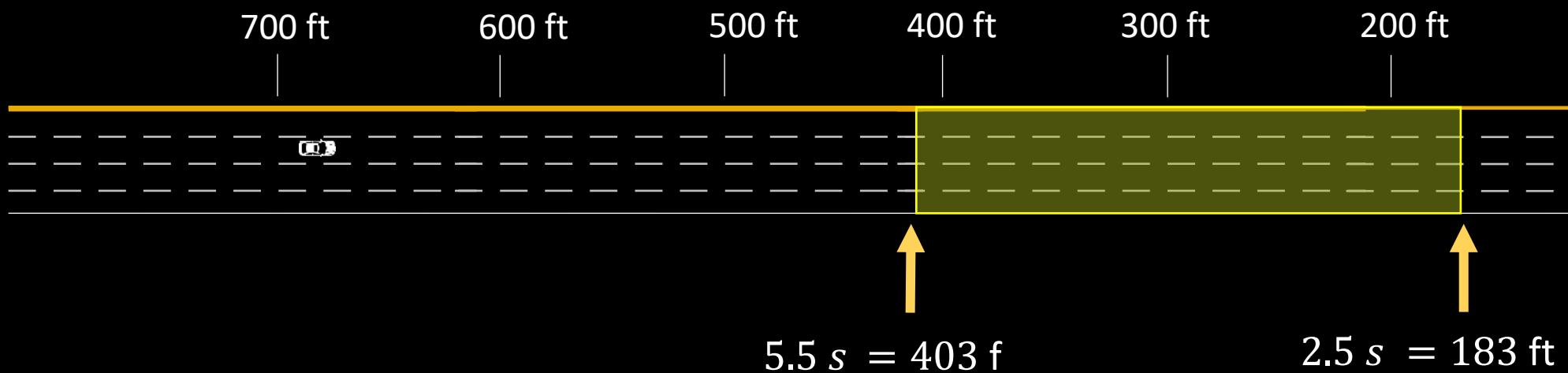


Advance Detection Radars

Dilemma Zone = 2.5 s – 5.5 s



Dilemma Zone = 2.5 s – 5.5 s

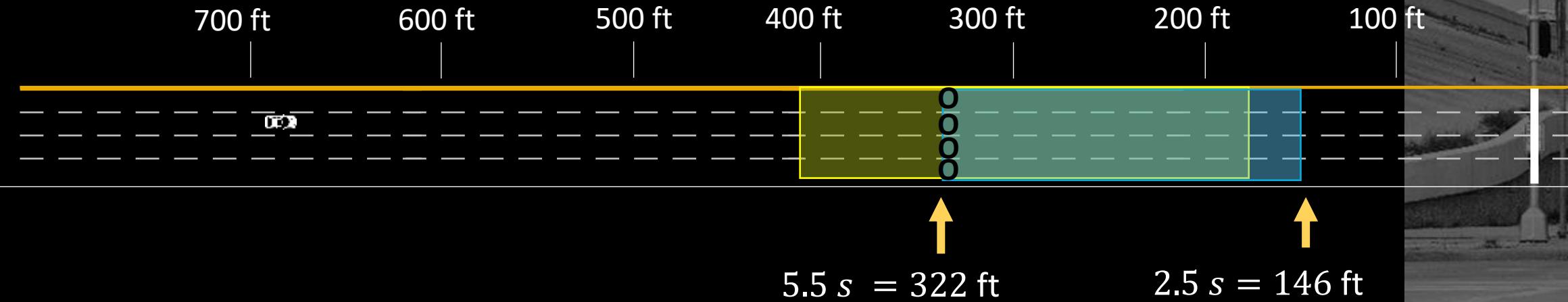


VEHICLE
SPEED
50

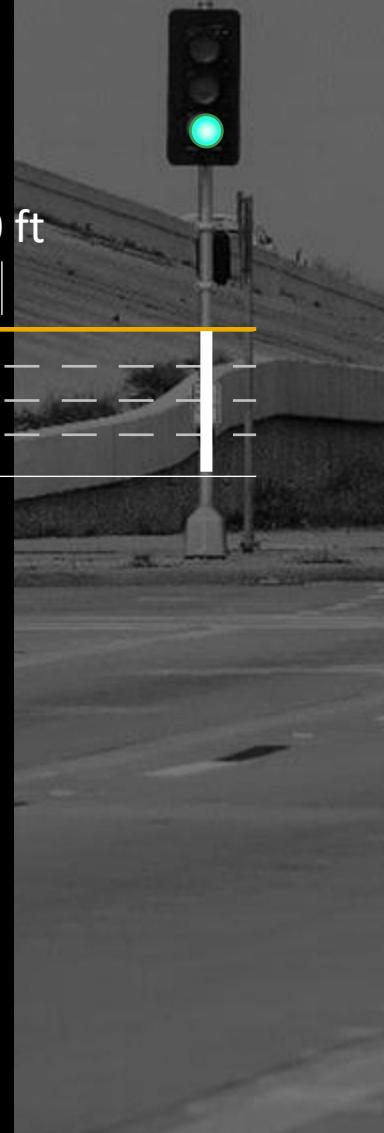
$$50\text{ mph} = 73.3\text{ f/s}$$

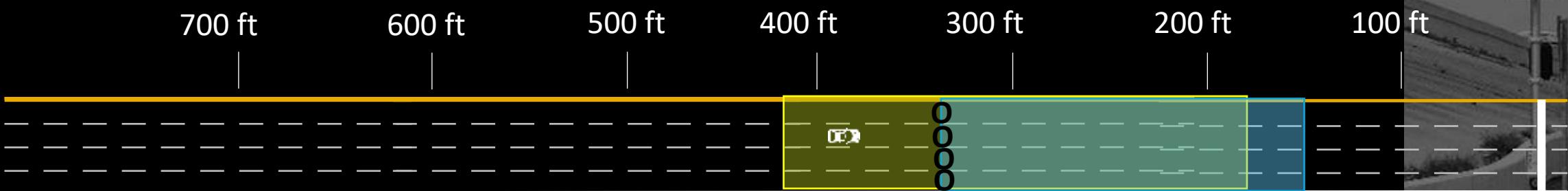


Dilemma Zone = 2.5 s – 5.5 s



$$40 \text{ mph} = 58.6 \text{ fps}$$





VEHICLE
SPEED
50

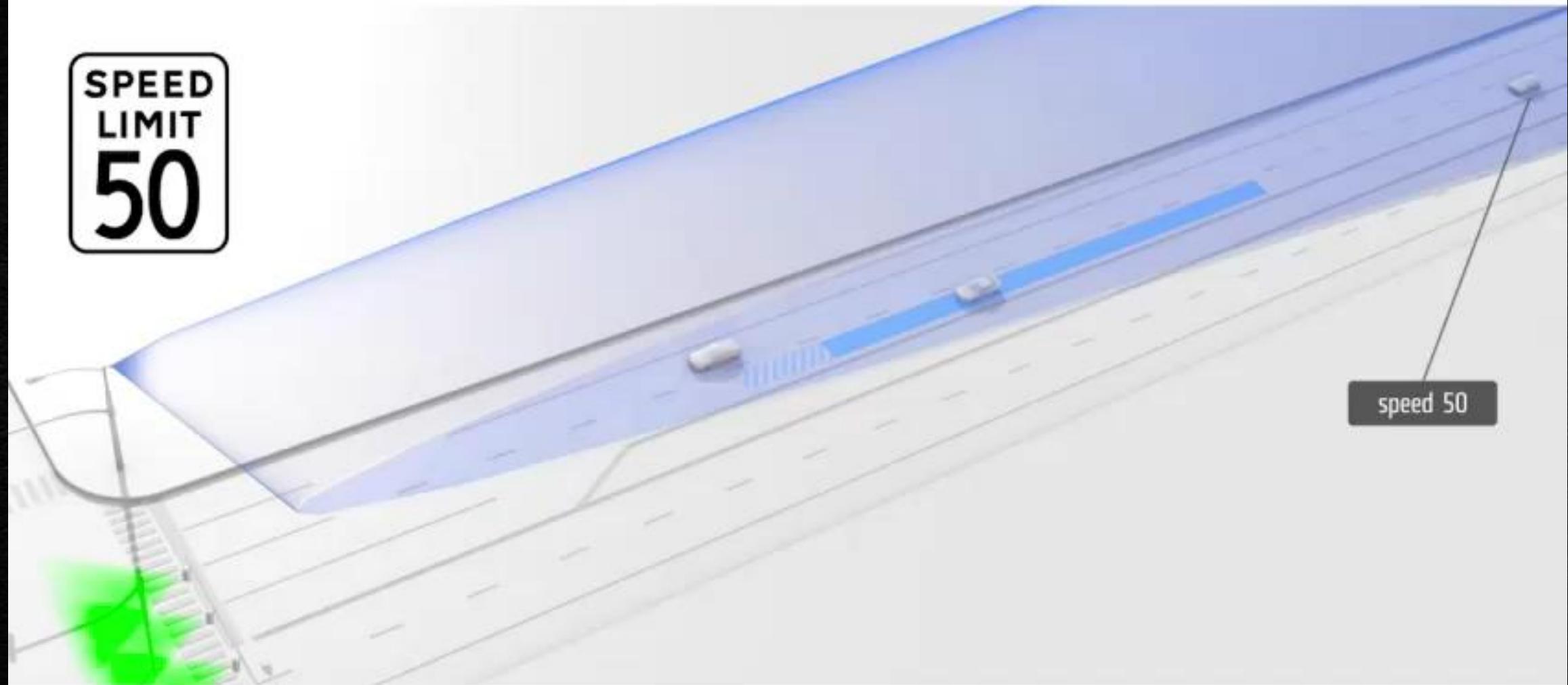
DESIGN
SPEED
40



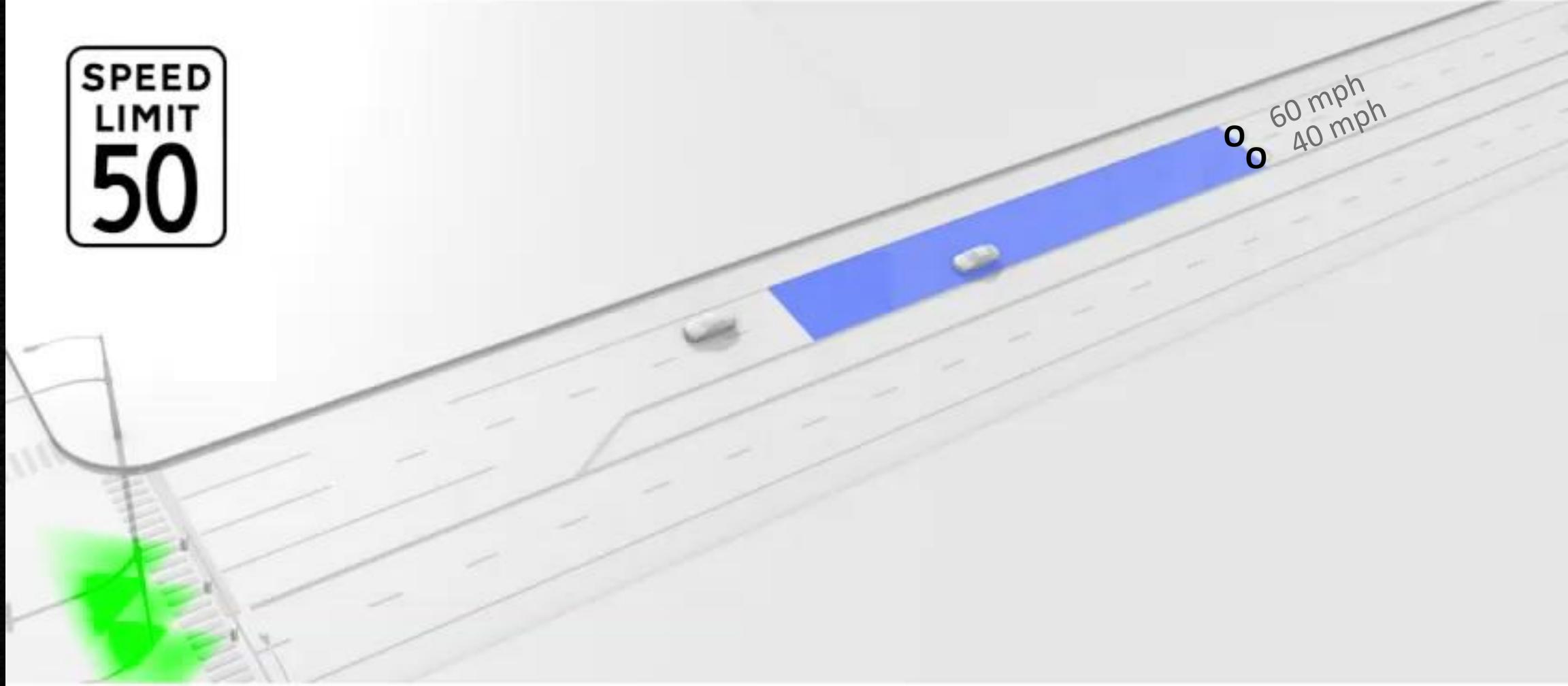
The Solution



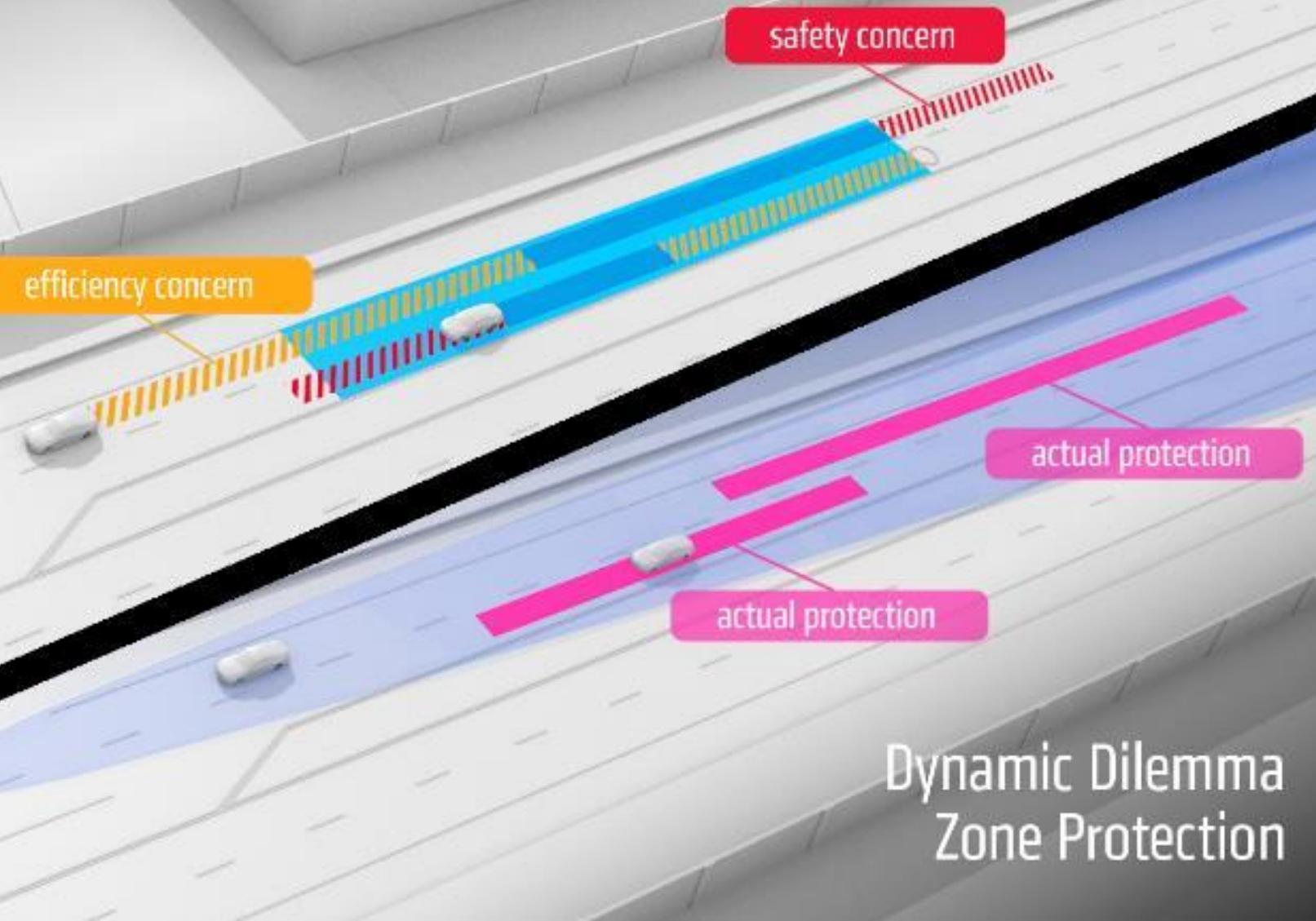
**SPEED
LIMIT
50**



speed 50

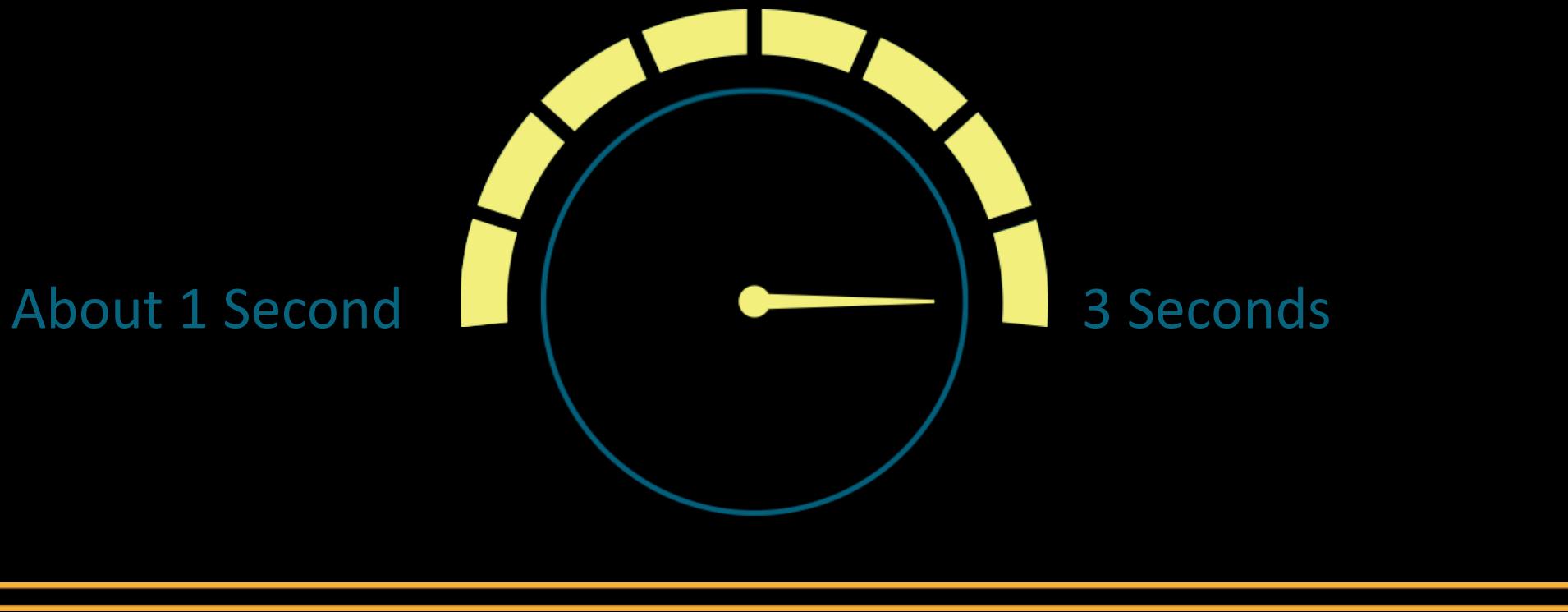


Point Based Detection

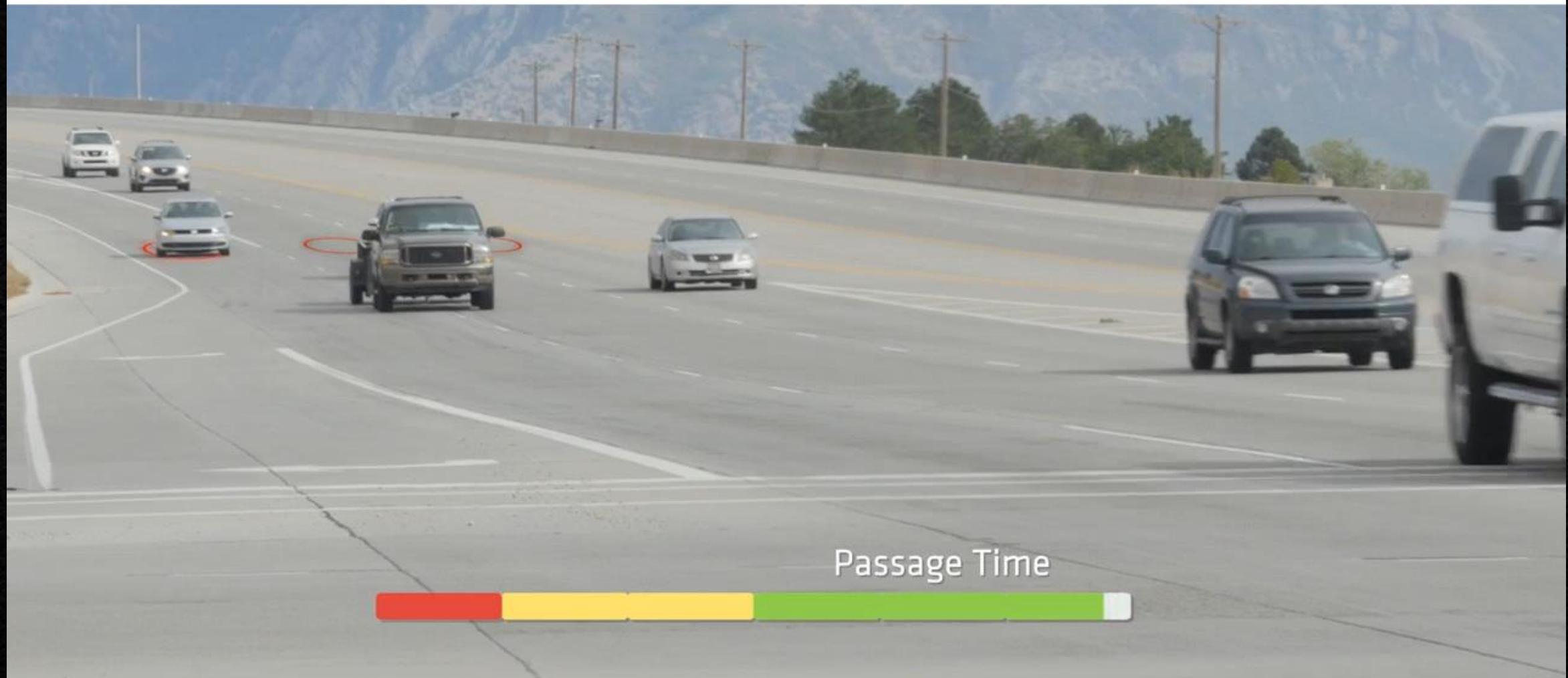


Dynamic Dilemma
Zone Protection

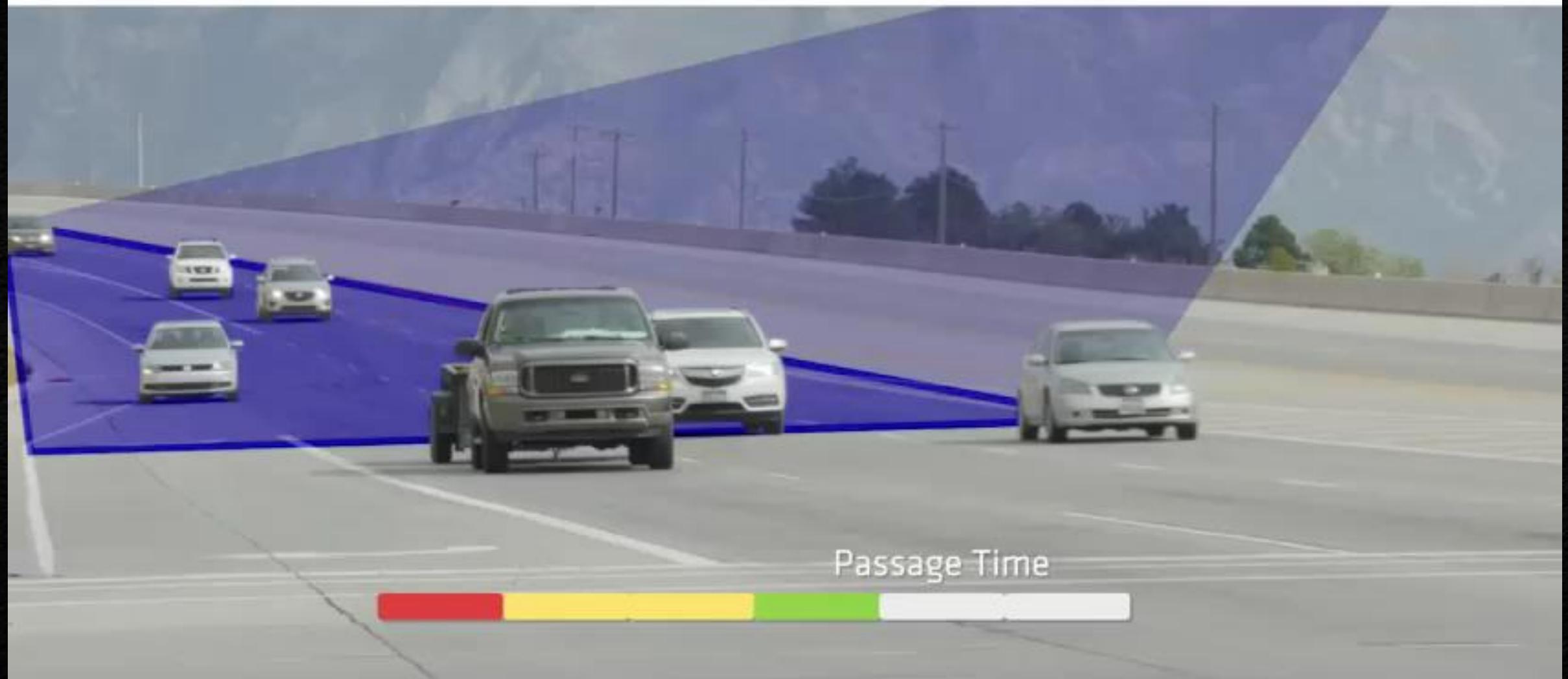
Extension / Passage Time



Because we continuously detect the vehicles and output an extension the entire time a vehicle is in the dilemma zone... we recommend One second passage times



Passage Time



Passage Time

2011-10-13 17:47:32

