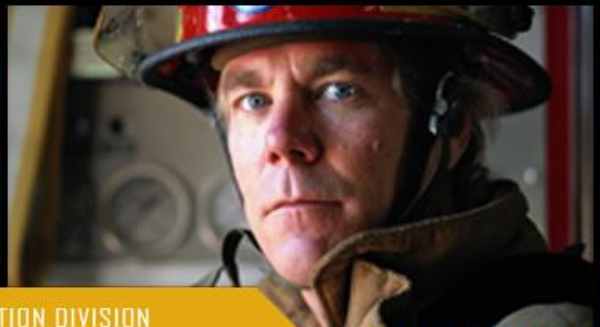




Roadway Command & Intersection Analysis

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Objectives

The student will be able to:

- Define Due Regard
- Define Notice of Approach
- Understand the proper use of sirens & the different audible tones
- Understand & define the Doppler Effect
- Understand sound penetration
- Understand how the siren effects the EVO
- Define Roadway Command

Objectives

The student will be able to:

- Discuss & evaluate Intersection Analysis
- Understand the effects of a collision
- Understand how to approach an intersection with a red light
- Understand how to approach an intersection with a green light
- Understand how to properly enter and exit an intersection

DUE REGARD

- A reasonably careful person, performing similar duties and under similar circumstances, would act in the same manner.
- Ambulance operators are subject to all traffic regulations unless a specific exemption is made in the state or local statutes.
- Exemptions are legal only in the emergency mode.
- Even with exemptions, EVO's can be found criminally or civilly liable.

NOTICE OF APPROACH

- Part of Due Regard.
- Vehicles are to yield the right of way when emergency vehicles approach with warning devices engaged.
- Vehicles can't yield the right of way if YOU don't give them "Notice of Approach"
- Notice of Approach is giving the other vehicle the ability to **Recognize**, **Process**, and **React** to YOUR lights and siren.

Audible Signals

High-Low

Yelp

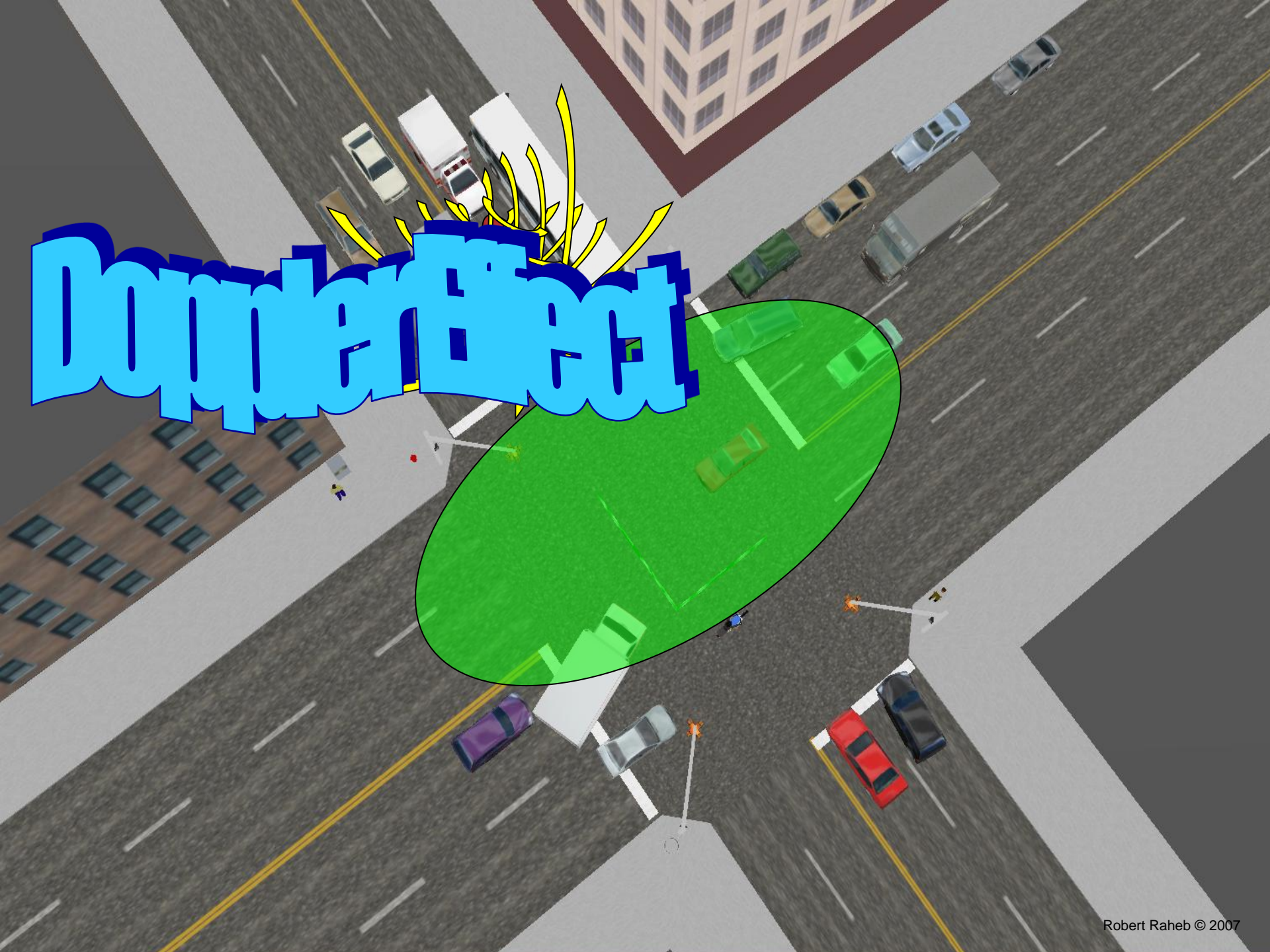
Wail

StarTrek

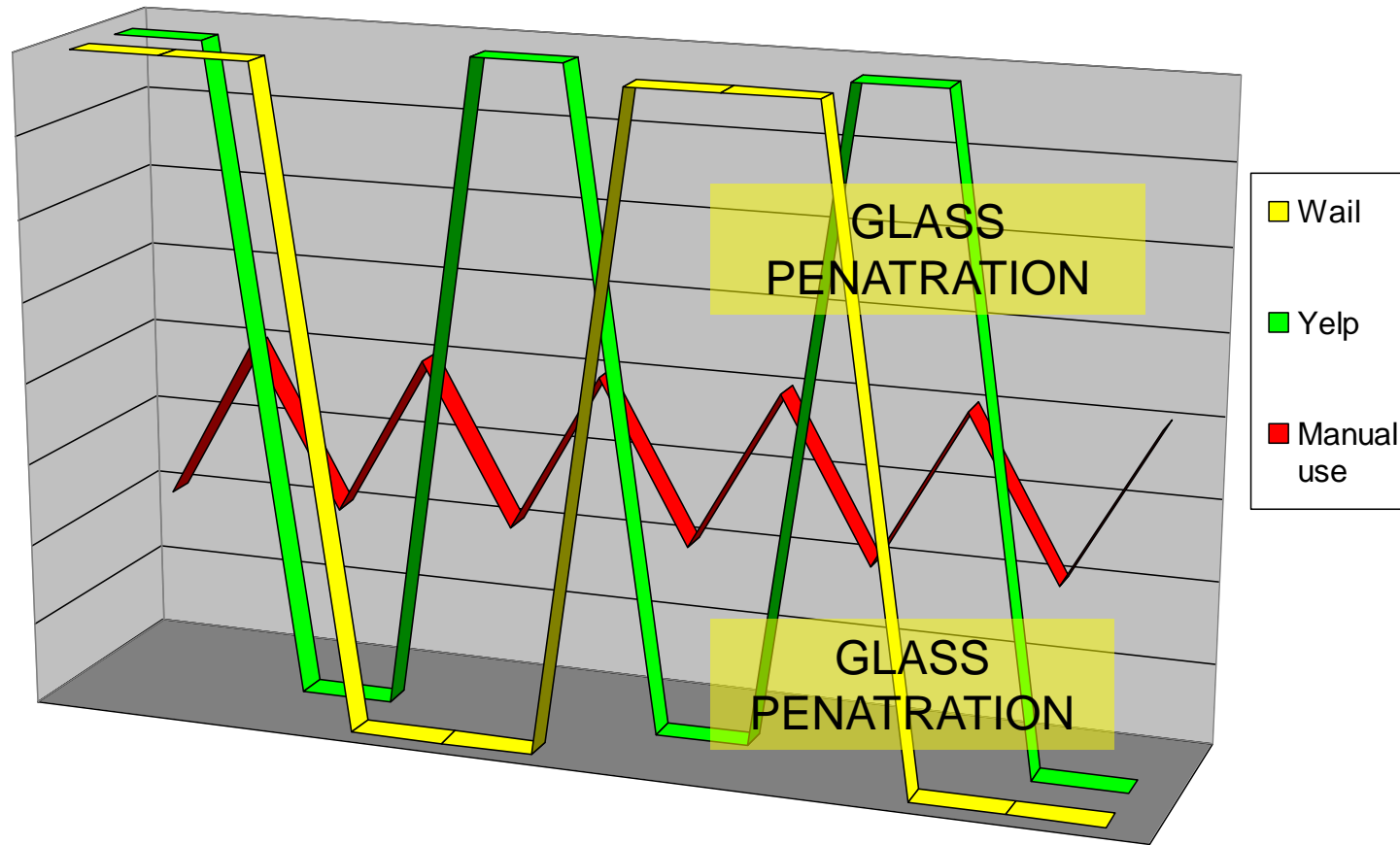
Phaser



Doppler Effect



Sirens **MUST** be on & **STAY ON**





FG +0.1

SG +0.0

Time -15.00

Front View



Siren Effects On The Ambulance Operator

SIRENCIDE

- Produces Tunnel Vision.
- Releases adrenaline.
- Increases pulse rate and diaphoresis.
- causes tensing of muscles
- Causes sensory overload.
- depresses the accelerator harder.
- Increases the risk of a collision.



FG -0.1 SG +0.2 Time -10.00
Front View



■ Roadway Command

Use **EXTREME CAUTION** when
in the center turn lane.

Exercise "Due Regard"
when approaching
intersections.

Be aware of cross traffic
attempting to use the
center turn lane.



Robert Raheb © 2007
Robert Raheb © 2007

S Az=1 El=7 N=300 E=89 Hdg=89

7/22/2006

6:57 AM

Scenario ToolBox - [A...



6:5





An aerial, high-angle photograph of a busy city intersection. The image is slightly blurred, suggesting motion. Several cars are visible at the intersection, and a few pedestrians can be seen on the sidewalks. The overall scene is a typical urban environment.

Exploring The Intersection

The Emergency Vehicle Operator's Worst
Nightmare.....



Ambulance collisions cause 10 injuries per day and 2 fatalities per month.



37% of all ambulance collisions occurred at an intersection with a control device.



The ambulance struck the other vehicle 74% of the time in all fatal ambulance collisions.

- Ensure that you have your lights and siren on.
- Come to a complete stop before the crosswalk or plane of the intersection.
- **DO NOT PUSH OTHER DRIVERS OUT INTO BUSY INTERSECTIONS IF AT ALL POSSIBLE!**





FG +0.2 SG +0.0 Time -15.00
Front View



Approaching The Intersection With A Green Light

- **Reduce your speed.**
- **Cover the brake.**
- **Maintain eye contact with other drivers.**
- **Signal the direction in which you want to go.**



What do you see?

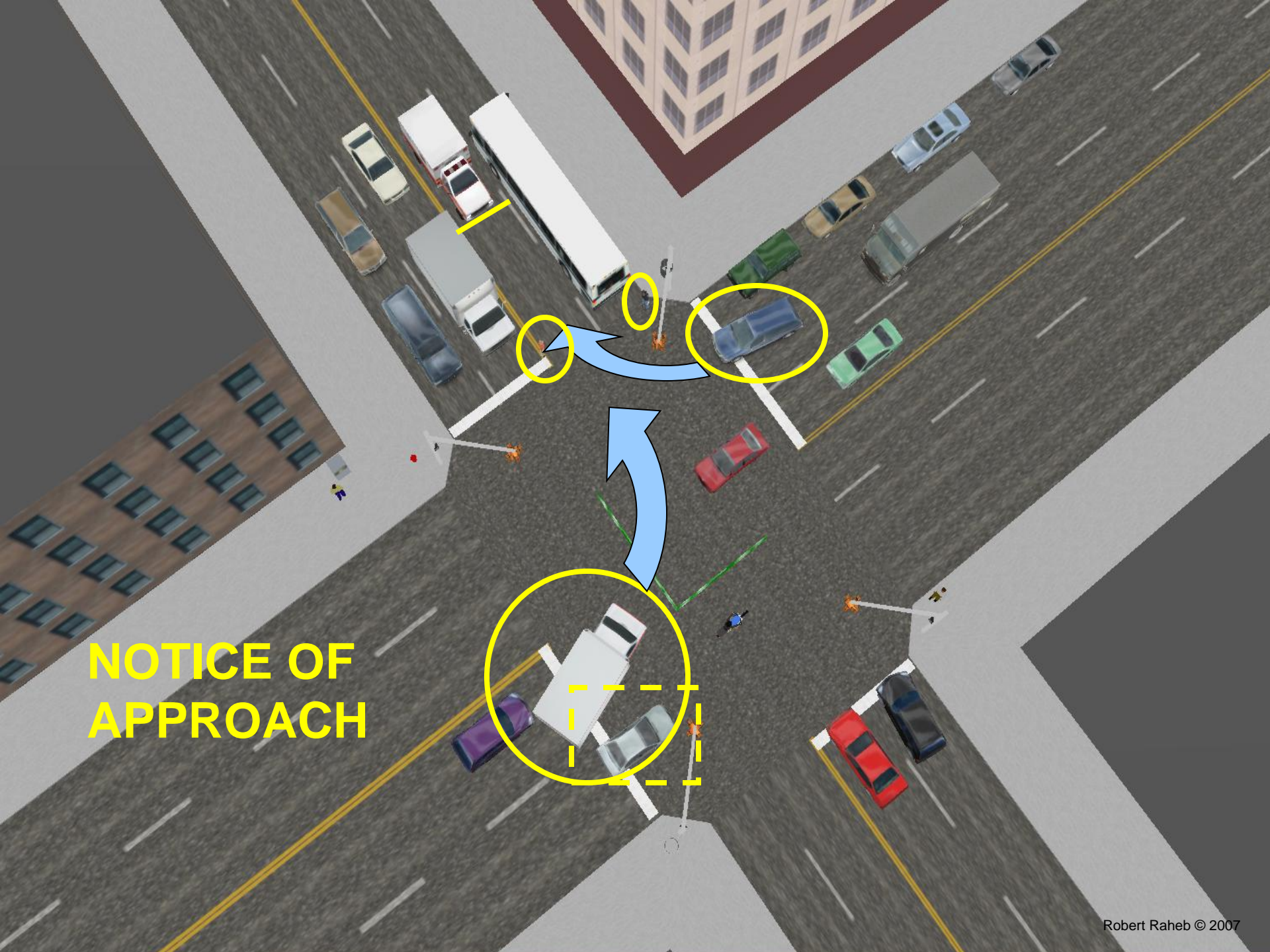
25TH ST

25TH ST

LEFT OF CENTER

WHERE'S YOUR FIRST
WHAT'S YOUR SPEED?
STOP?

**NOTICE OF
APPROACH**





FG -0.1 SG -0.1 Time -15.00
Front View



H ST



INTERSECTION
MARKER



WHAT DO THEY SEE?

43 AVE





AVE

Where's Waldo?

Here I am!

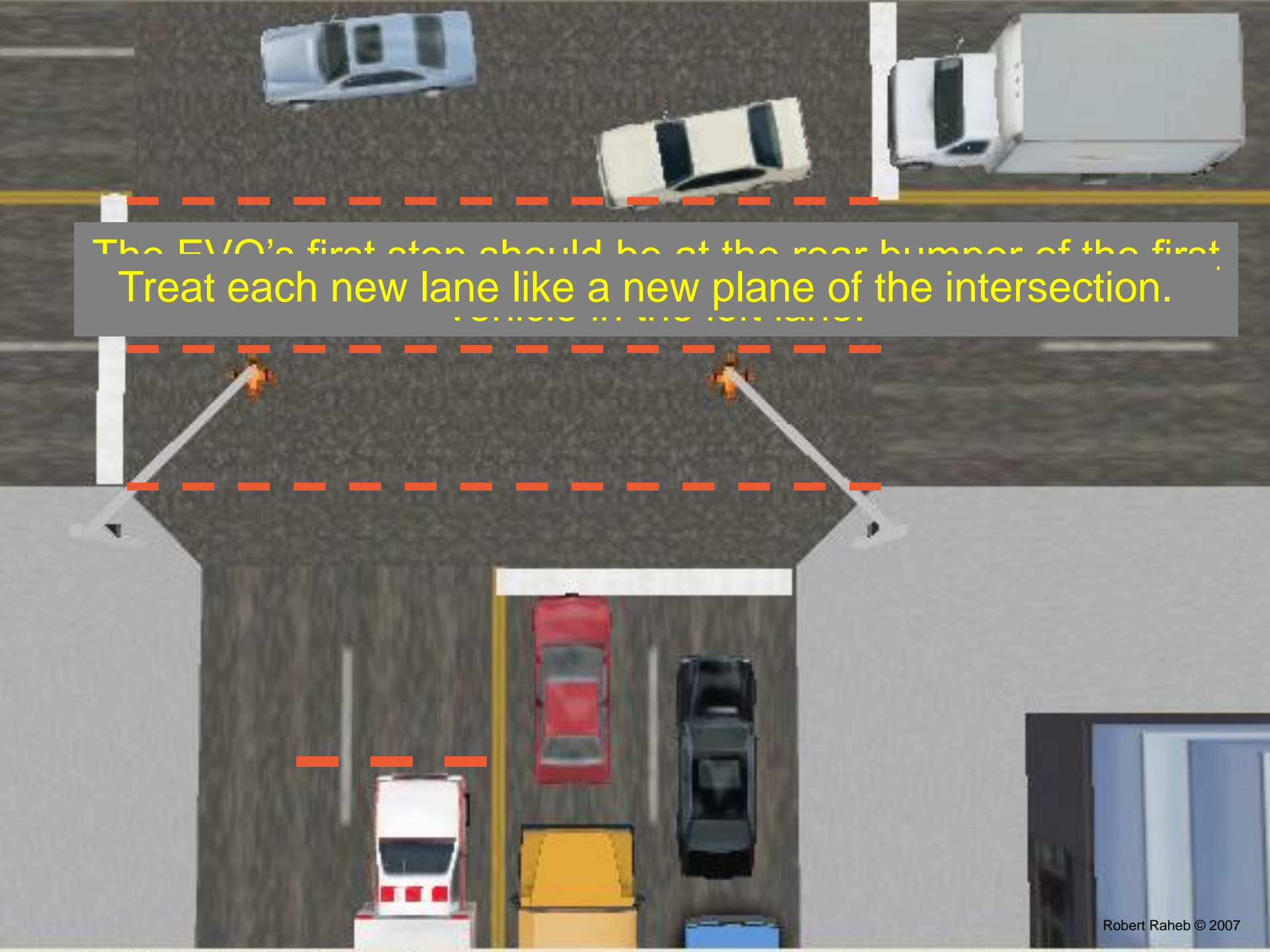
YOU'RE OUT OF SIGHT....

YOU'RE OUT OF MIND!



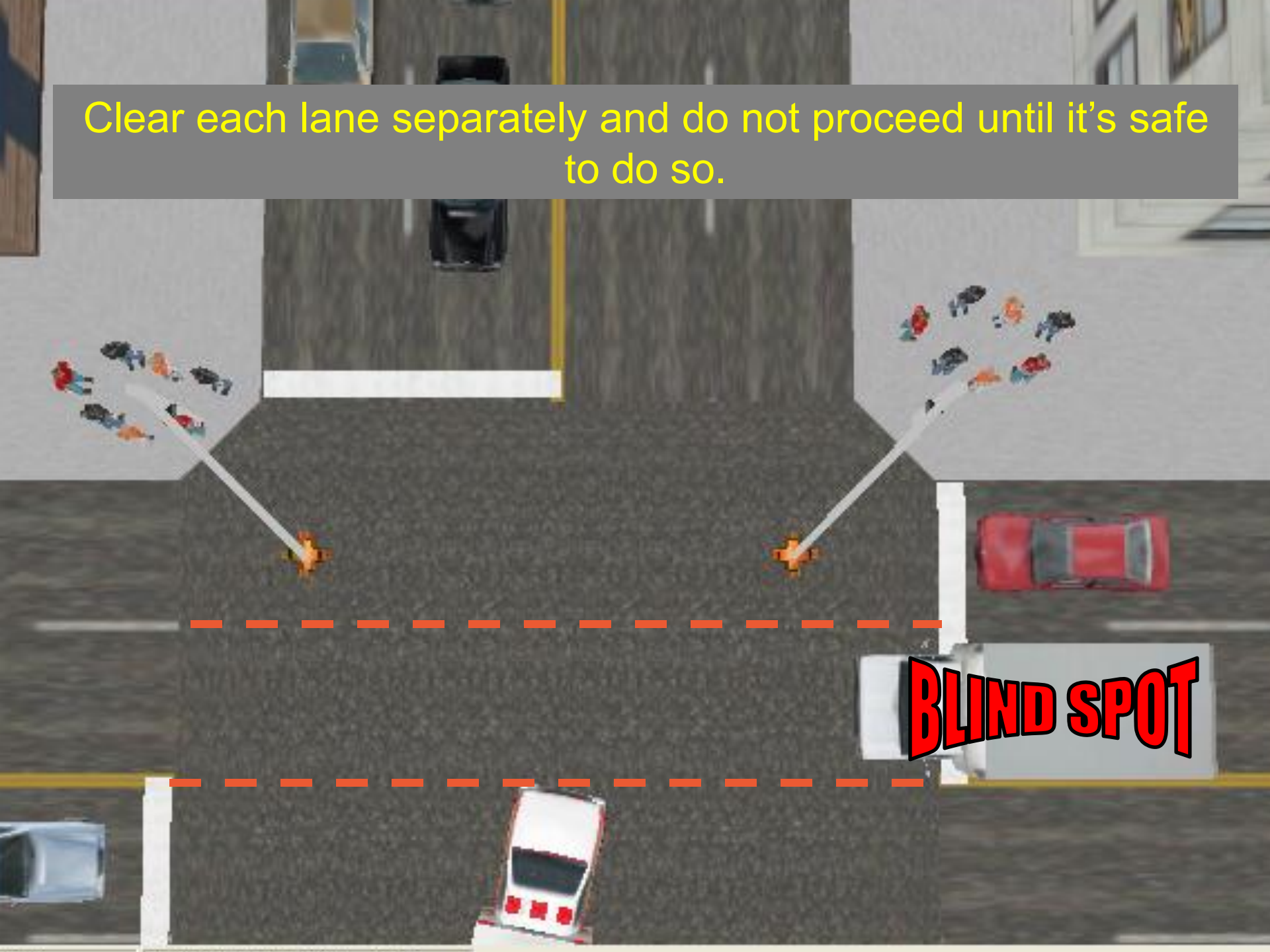
MAKE EYE CONTACT WITH EACH DRIVER!





The EVO's first step should be at the rear bumper of the first
Treat each new lane like a new plane of the intersection.

Clear each lane separately and do not proceed until it's safe to do so.



BLIND SPOT



23	Rng=6 Az=32 El=5	N=714 E=889 Hdg=176	10/26/2005	12:22 AM
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Preview Mode



14 | Rng=7 Az=0 El=7 | N=705 E=950 Hdg=-90

Preview Mode | 10/26/2005 | 12



FG +0.1 SG -0.2 Time -10.00
Front View



Summary

- Notice of Approach is part of Due Regard
- If your siren isn't fully engaged, you are NOT using Due Regard
- When using the siren, remember to keep your attitude in check
- Remember that you can outrun your siren
- Remember to clear one lane at a time
- And, if the intersection is clear...

IT'S PROBABLY NOT,

CHECK IT AGAIN!



QUESTIONS



