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
- Wait
- Star Trek
- Phaser
FG +0.1   SG +0.0   Time -15.00  
Front View
Siren Effects On The Ambulance Operator

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

SIREN CIDE

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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.
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!**
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 don't you see?
WHERE'S YOUR FIRST STOP?

LEFT OF CENTER

WHERE'S YOUR FIRST STOP?

WHAT'S YOUR SPEED?
WHAT DO THEY SEE?

INTERSECTION MARKER
Where's Waldo?

Here I am!
MAKE EYE CONTACT WITH EACH DRIVER!
The EVO’s first step should be at the rear bumper of the first vehicle in the left lane.

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.
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!