



Emergency situations
Common Driving Emergencies:

- Vehicle Failure
- Driver Errors

Decision Making/Judgement Operation

- Speed
- Distraction
- Steering
- Collision Avoidance

### Poor Decision Making/Judgement Decision—making: Is a process It must be taught and practiced to be effective. Young drivers:

 must understand that it is not how much they know, but rather what they know to make effective driving decisions based on risk management strategies.

For young people to develop a positive attitude toward decision-making and its impact on safe driving they will:

- need to be exposed to accurate information regarding its use and
- participate in perception changing experiences

#### Decision-making:

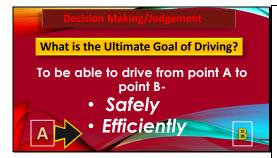
- Is a process
- It must be taught and practiced to be effective.
- · Must be given value

#### Young drivers:

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### Distractions and Perception The Ultimate Goal

What is the ultimate goal of driving?

- The "ultimate goal" of driving is to be able to travel to a destination <u>safely</u> and efficiently.
- Distracted driving affects a great deal of the task of driving and is a major obstacle to achieving this goal.
- How can you increase your chances of achieving this ultimate goal regularly?



#### HOW?

- Being a safe driver is more than just applying physical skills.
- Everyone has habits, both good and harmful.
   A habit is a routine that we practice as a part of our everyday lives. Many of these behaviors that we develop are things that we've learned and practiced to the point that we don't even think of them. They become second nature. We are conditioned to these practices.
- It is possible to break or avoid harmful habits and learn attitudes and behaviors that can help you as a driver to:
  - · protect yourself, and
  - protect others



- Driving Skills and Habits can be learned and improved upon.
- So can Attitudes and Behaviors.

## Decision Making /Judgement Decision Making Process: • The Choice to be AWARE of: • Right and Wrong Behavior • Correct and Incorrect Decisions BE READY, BE SAFE, BE RESPONSIBLE

#### **Decision Making Process**

- We make conscious and unconscious decisions.
- Everything involved in the driving task involves making decisions.
- In the decision-making process, you can consciously choose according to what you perceive and know.
- To help achieve the "ultimate goal" the choice is to be aware of the correct behaviors that will help you to avoid incorrect decisions.



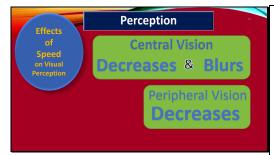
Poor decision making/Poor Judgement Speed-

Affects safety even when driving at the speed limit but too fast for conditions.

- Weather
- Road surface
- Visibility
- Traffic conditions
- Vehicle condition

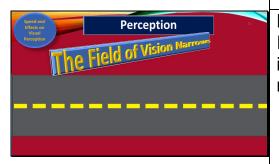
Consequences of speeding-

- Loss of vehicle control
- Increase crash severity
- Inability to stop in time
- Decrease in effectiveness of occupant protection equipment
- Economics of damage and injury.



#### Effects of speed on Field of Vision

• It takes time for the brain to process the incoming information that it receives. It must organize it, classify it, and make it meaningful. In a moving vehicle, that time is limited. The speed that a vehicle is travelling can affect the field of vision of the driver.



Effects of speed on Field of Vision It takes the mind time to process the incoming information-to organize it, classify it and make it meaningful. In a moving vehicle, time is limited.



Poor decision making/Poor Judgement Speed-

Consequences of speeding- Decreases ability to identify hazards and act correctly on them.

Loss of vehicle control

- Swerving, running off road=
- Rollover crash
- Striking solid objects on roadside

Inability to avoid hazards by steering away or changing lane positions

Decreases the gap when following vehicles

- Inability to stop in time=
- Rear end collisions
- Decreases approach times to intersections=
- Increases chance of collision with crossing, turning vehicles

Economics of damage and injury

- Decrease in occupant protection equipment
- Increase crash severity
- to occupants
- damage



**Speed-** speed limits are engineered for safe driving in all areas. They aren't just random.

- Observe speed limit and warning traffic signs.
- Adjust speed to driving conditions and the driving environments you are in.
  - Know what hazards and situations to expect in these areas.

Know how to act on those hazards and situations.

Residential Driving Environment-Manual (pdf)
Open Highway Driving Environment-Manual
(pdf)

Expressway Driving Environment-Manual (pdf)
Rural Driving Environment-Manual (pdf)

A & B Suburban and Urban Driving

Environment-Manual (pdf)

Part A Right of Way-Manual (pdf)

Part B Right of Way Manual (pdf)

Adverse Driving Conditions Visibility-Manual (pdf)

**Driving in Bad Conditions-Manual (pdf)** 





Soft shoulders and high road edges create hazards to the

- If the right wheels drop off the road anticipate better traction with the left wheels that remain on the pavement.
- Reduce speed,
- Steer straight, don't brake dramatically.
- Let the momentum of the vehicle slow naturally then gradually work back onto the pavement.

Be Ready, Be Safe, Be Responsible

#### Two Wheel Drop-Off

Soft shoulders create hazards to the unaware driver.

- If the right wheels drop off the road anticipate better traction with the left wheels that remain on the pavement.
- Reduce speed,
- Steer straight, don't brake dramatically.
- Let the momentum of the vehicle slow naturally then gradually work back onto the pavement.

#### OFF-ROAD RECOVERY

- Do not panic and jerk the steering wheel
- Look to safe path of travel on roadway
- Ease off accelerator/Don't brake hard
- · Align vehicle with edge of road
- Check oncoming/following traffic
- Return to road gradually with proper steering technique

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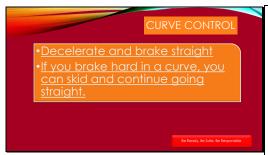




# CURVE CONTROL BROADEN YOUR SEARCH Look over, through and between. Search areas and visibility change with the seasons. Let Read, be take the Respondite.

#### General hints

- BROADEN YOUR SEARCH
- Look over, through and between.
- Search areas and visibility change with the seasons.



#### General hints Curve Physics

- Decelerate and brake while straight
- •If you brake hard in a curve, you can skid and continue going straight.





#### Look far ahead

Have a visual lead of at least twenty to thirty seconds when conditions permit it. You need space and time for controlling your vehicle and for making decisions.



We tend to steer where we look.

- Thus, drivers who use the right edge of the roadway or the centerline as a main point of reference, usually end up with poor lane positioning and low-aim steering.
- You can use these as a quick reference for your lane position, but you should always get your eyes back to the center of the path.
- It is all right to check the lane position of the vehicle by aligning a reference part of the vehicle with the right lane line, but this is only a quick check and not to continuously focus on this reference point.
- When going through a curve, a driver will have a tendency to focus their eyes close to the car; and the eyes should be looking through the curve as much as possible. A quick lane position check can be done with the lane line, but the eyes need to get back to the projected path of travel.
- Multiple Targets
- Targets change with vehicle movement
- Eyes move ahead with the vehicle-Don't Stare at one spot.



Remember that for most drivers, their eyes will fail them in sudden emergencies, e.g., when entering a curve too fast, their sight distance will shrink, and their eyes will focus on the inside of the curve. When attempting to avoid a collision, their eyes will stare at the collision and not look through it.

When encountering a sudden rear wheel skid, their sight distance will shrink and their eyes will focus immediately on the front of the car, making it more difficult to recover from a skid. All of these failures result in a greater risk of having a collision or losing control of the vehicle.

-DON'T STARE at hazard spots! Always look to the OPEN path in the middle of your lane and steer to it.



Distractions and their effects on perception and driving. Special focus is on cell phone distractions and driving with the objective of informing and guiding the novice driver and passengers to the conscious decision and commitment to avoid cell phone tasks when driving.

