Driving in Adverse Conditions

Reduced Visibility
Driving in Adverse Conditions

• Driving is difficult under normal conditions..
• When you add snow, ice, rain and visibility problems it becomes a greater challenge.
Reduced Visibility

• What can reduce your visibility?
• **Dirty Windows**  Keep the windows clean inside and out
Reduced Visibility

- **Sun Glare and Driving during Dawn & Dusk** Use the Sun Visor, sun glasses, & keep the windows clean.
Reduced Visibility

- Fog will reduce your ability to judge distance and speed.
- Huge numbers of cars can be involved in fog related collisions.
- Some have been over 100 cars.
Reduced Visibility

• When visibility is reduced…
• Slow down and give yourself more time.
• Scan more frequently.
• Predict others will maneuver into your intended path of travel.
• Position your vehicle ahead of time with an extra space cushion.
• Executing driving actions gently so others know what you are doing.
Visibility in Rain and Snow

• Rain & Snow will reduce your visibility.
• Make sure your windshield wipers are in good operating condition before winter arrives.
• **Night driving use your** Low beam headlights at night and when the wipers are on.

• **When do you use the High Beams?**
• Make sure to use your _______beam lights in the rain & snow. Using your bright lights will reflect the light back at you.
• Clear your windows and all lights of all snow before driving.
• Slush & snow can build up on your wipers.
• Trucks can splash water, cutting your visibility
What should I do?
• What is Hydroplaning?
• Hydroplaning occurs when your tires lose contact with the rode, riding on a small layer of water.
• What can you do to avoid it?
• **Slow down in rain** and make sure you have good tires.
Driving in Deep Water

- If you don’t know how deep the water is, don’t try and drive through it.
Snow


- This isn’t New York but pretty cool driving through here.
Tips for Driving in Snow

- Slow Down
- Gentle acceleration,
- Steering and Braking.
- Prepare your car
- Snow tires,
- new wiper blades,
- Shovel
- Extra clothes
Driving on Ice

• Black Ice

• Ice on Bridges

• Ice in Tire Tracks
### Stopping Distances

<table>
<thead>
<tr>
<th>Road Surface</th>
<th>20 MPH</th>
<th>26 MPH</th>
<th>38 MPH</th>
<th>52 MPH</th>
<th>60 MPH</th>
<th>75 MPH</th>
<th>149 MPH</th>
<th>151 MPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>concrete</td>
<td>20 ft</td>
<td>26 ft</td>
<td>38 ft</td>
<td>52 ft</td>
<td>60 ft</td>
<td>75 ft</td>
<td>149 ft</td>
<td>151 ft</td>
</tr>
<tr>
<td>dry, conventional</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>tires</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>wet, conventional</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>tires</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>packed snow</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>reinforced chains</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>snow tires</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>conventional tires</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>snow tires</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>glare ice</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>reinforced chains</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>conventional tires</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>snow tires</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Skidding

• A locked wheel or spinning wheel provides no steering control.
• Never give up trying to correct a skid.
• Brake early to avoid locking the wheels.
• Controlled braking – braking without locking the wheels.
• ABS brakes