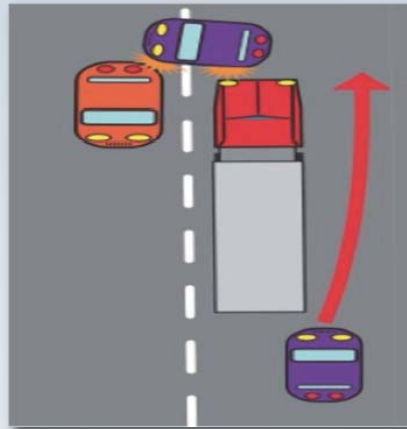# Safety notification of when overtaking car through on Screen Display

90UOS

Work Overview

When you ride a two way lanes road or any other roads. You may encounter slow car in front of you at the same lane. So you will try to pass the front car. But it very dangerous for you and all drivers. Therefore, the driver who try to pass front car need various information about overtaking such as front car speed, distance between my car and front car and passing sight distance of road.

The driver's safety ensure through the proper guidance at overtaking situation. Economical road design because excessive passing sight distance for road design cause costs a lot of construction. So our program target to offer proper information to drivers and to road design engineer. Therefore, this plugin will lead the safe road construction and drive.
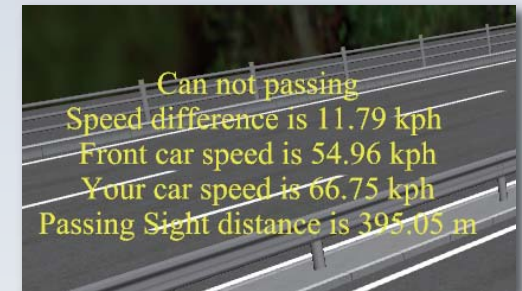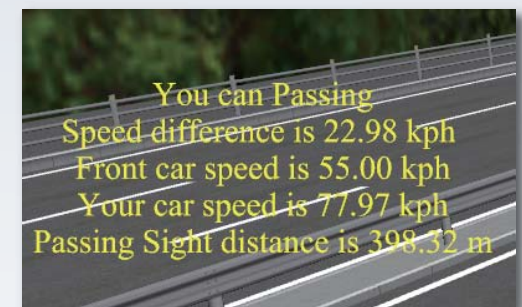

System Function

This plugin to get the information of front car and your car. Speed, speed difference, distance between two cars to display based on the information.

When you overtaking against in front of your car, you have to accelerate speed minimum 20 kph more than front car for your safety.

1. 20 kph slower than front car, overtaking is determined to be a danger. So to display the "You can't Passing".

Can not passing
Speed difference is 11.79 kph
Front car speed is 54.96 kph
Your car speed is 66.75 kph
Passing Sight distance is 395.05 m

2. 20 kph faster than front car, this plugin to display the "You can Passing".

You can Passing
Speed difference is 22.98 kph
Front car speed is 55.00 kph
Your car speed is 77.97 kph
Passing Sight distance is 398.32 m

Future Work

This plugin will provide some information limit. For example, corresponding to the friction coefficient of the road material and other various situations, we can calculate the passing sight distance accurately.