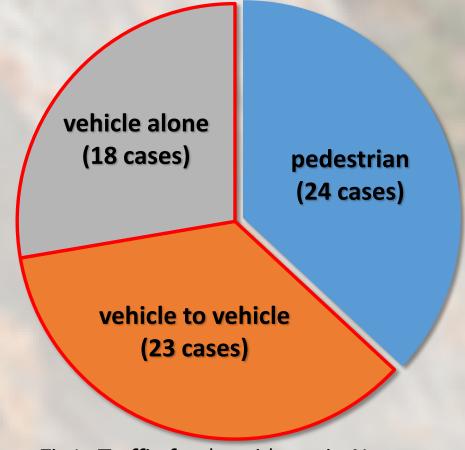
# Creation of Hilly and Mountainous Road Simulator Model Using a Card System Team: A.S. K.



## Background

In a hilly and mountainous(HM) area like Nagano prefecture, there are many fatal accidents involving individual and mutual vehicles, so accident factor analysis using a driving simulator is essential.



Cite: Nagano police data in 2019

Fig1. Traffic fatal accidents in Nagano

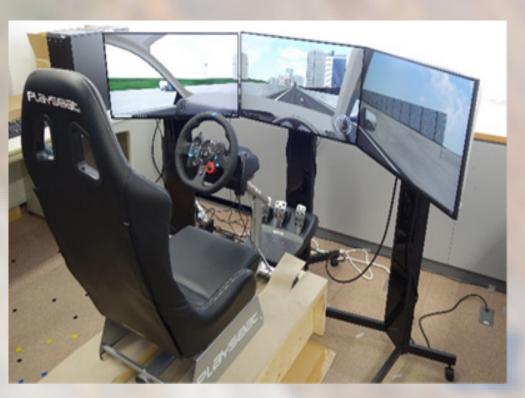


Fig2. Driving Simulator



Fig3. Sample of HM road model

#### Method

Therefore, in order to create a high quality and efficient UC-win/Road road model, a road model template is devised in advance with a card type, and a method to create \* HM road simulator model is constructed.



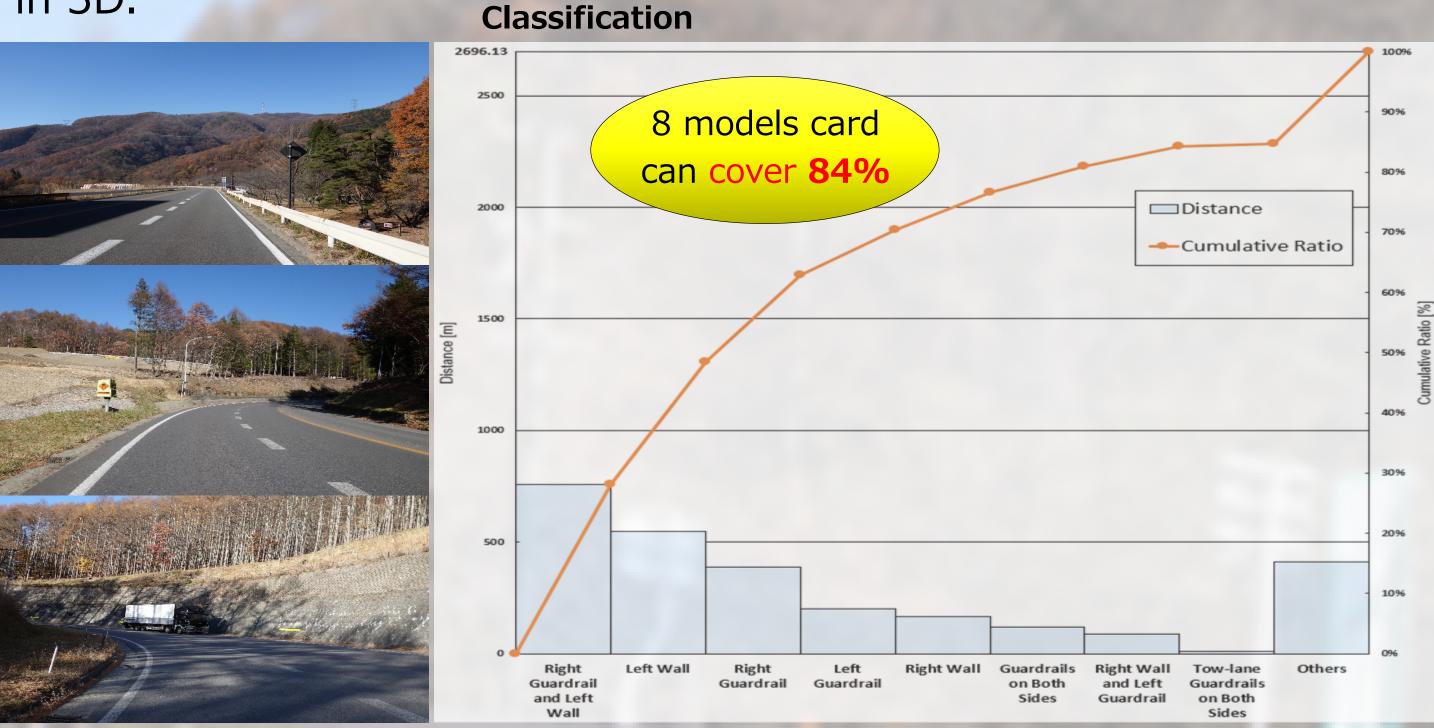
Fig4. Concept of Card Game Cite: winning moves classic waterworks card game



Fig5. Flow of Modeling

### Analysis of road construction

Investigate and analyze what kind of road you want to reproduce in 3D.



#### Reduction of road construction time

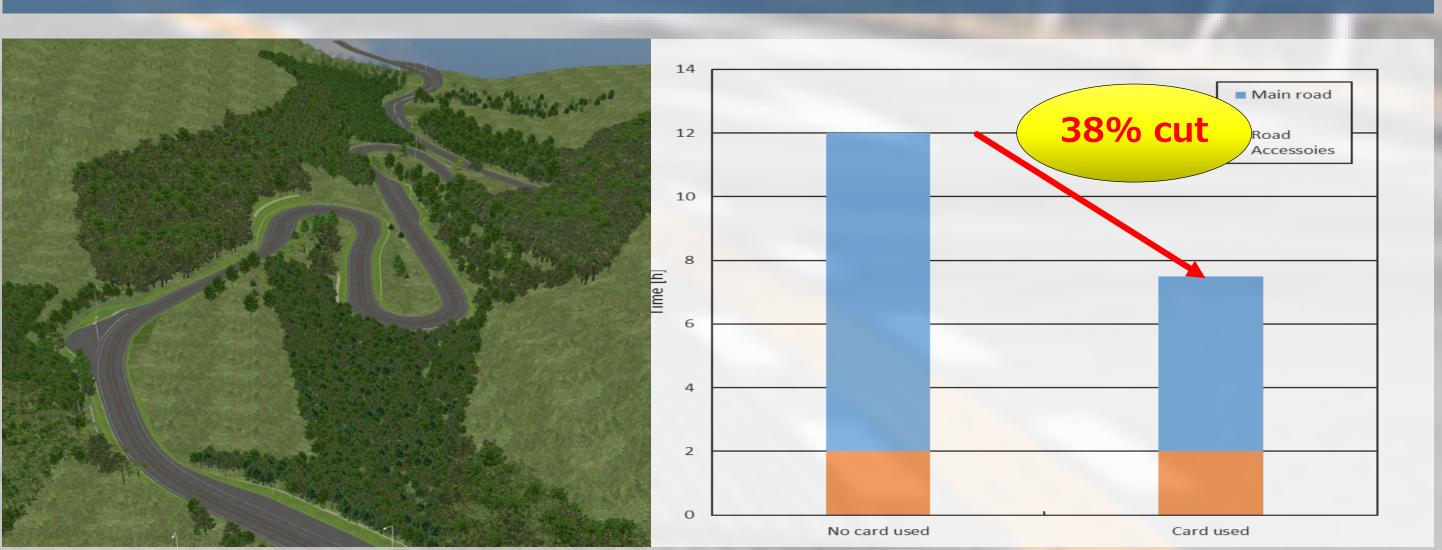


Fig6. Sample of HM\* road model

Fig7. Road construction time

Create a simulator model by combining each template model along the HM road easily and efficiently.