

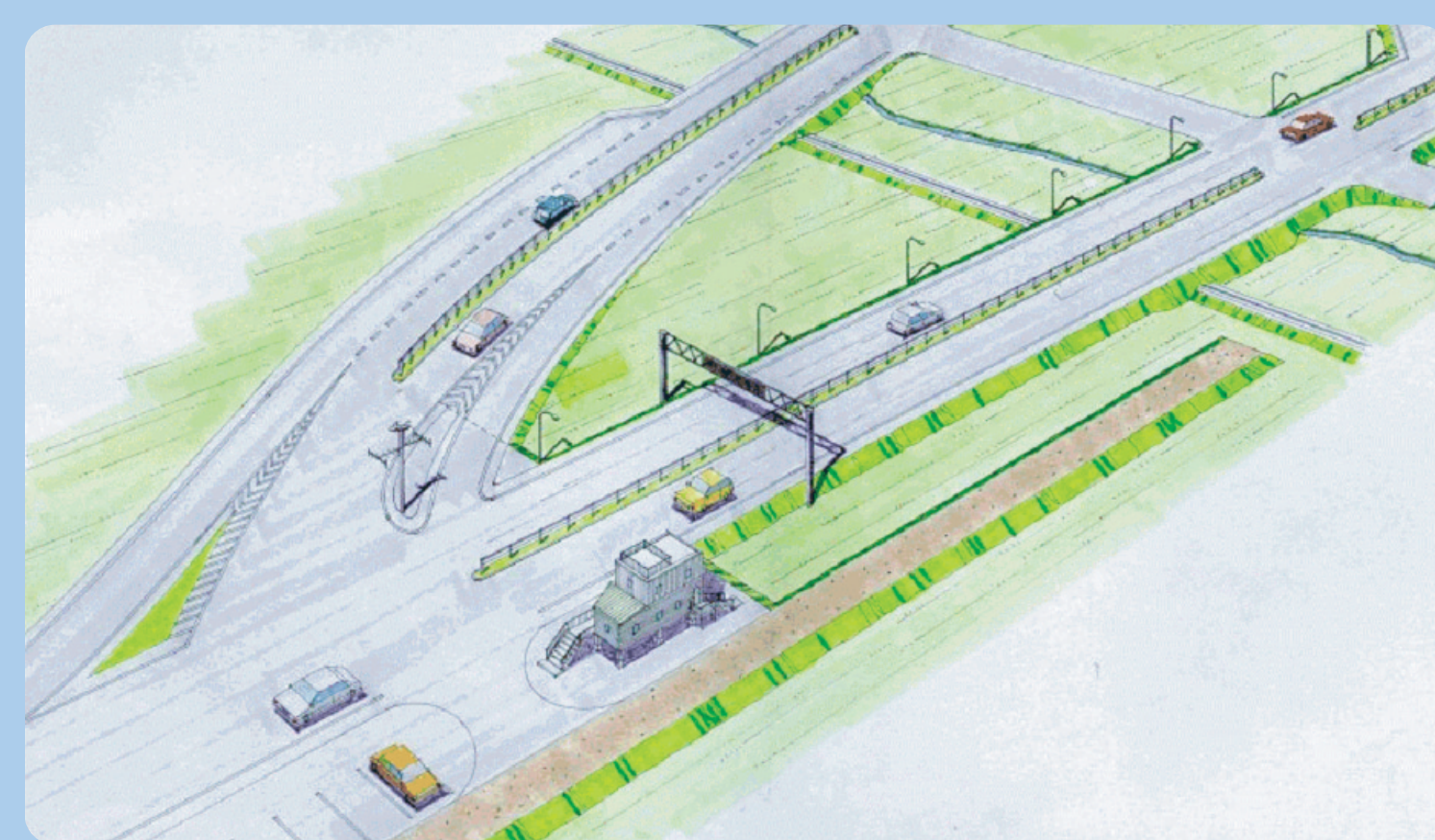


# 石狩吹雪実験場の概要

## Outline of The Ishikari Blowing-Snow Test Field

石狩吹雪実験場は、札幌市中心部から北方約17kmの石狩川下流部旧河川敷に位置します。この地域は、冬期に強い北西の季節風を受けて北海道内でも吹雪頻度が最も高い地域のひとつです。このため、一般道では実験実施困難なフルスケールでの吹雪や視程障害に対する走行実験が可能です。

The Ishikari Blowing-Snow Test Field is about 17 km north of downtown Sapporo. The test field was constructed on a dry riverbed at the lower reaches of the Ishikari River. This area frequently has strong northwesterly winds in winter. Its frequency of snowstorm occurrence is among the highest in Hokkaido. The natural conditions of the test field enable tests, including those on driving in snowstorm or poor visibility, that are difficult on roads in service.

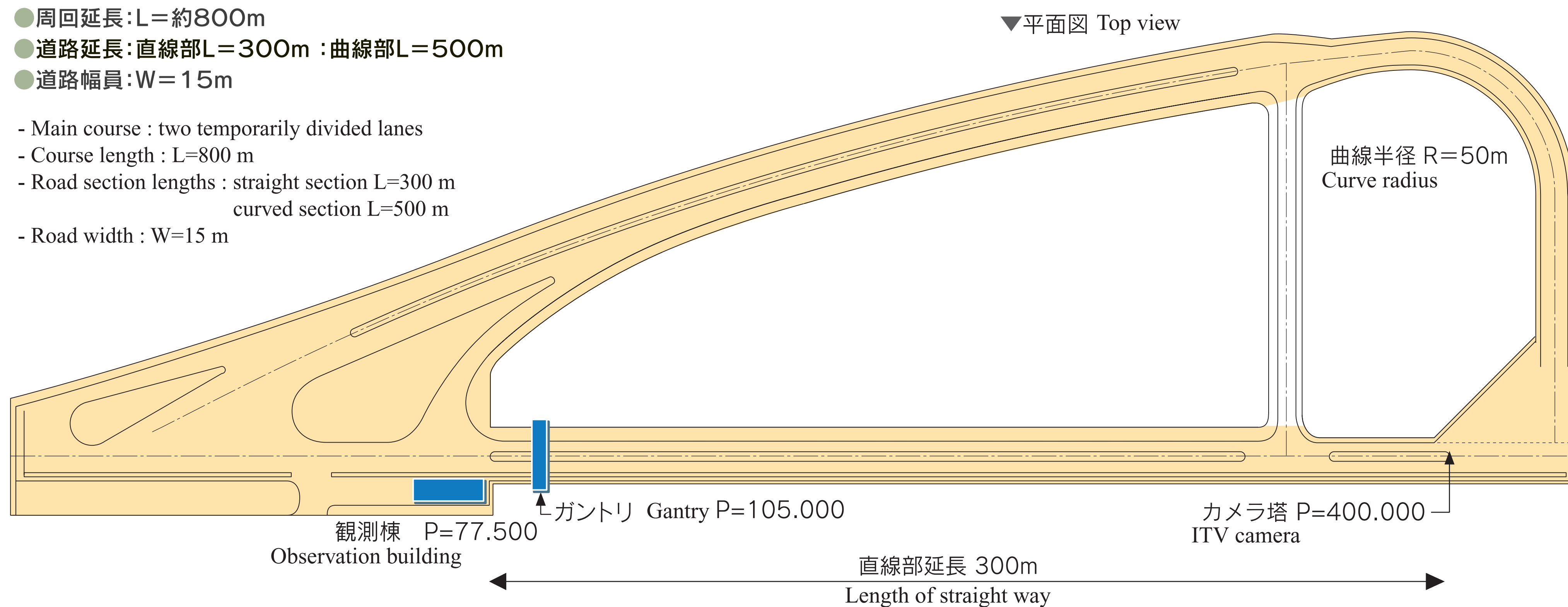


## 試験走路の概要

### Outline of the test course

- 本線：暫定2車線 簡易分離
- 周回延長：L＝約800m
- 道路延長：直線部L＝300m：曲線部L＝500m
- 道路幅員：W＝15m

- Main course : two temporarily divided lanes
- Course length : L=800 m
- Road section lengths : straight section L=300 m  
curved section L=500 m
- Road width : W=15 m



## 実験設備

### Experimental Facilities

本実験場には次のような実験観測施設が整備されています。

- 気象測器（風向風速計、雨量計、視程計、積雪深計）
- ITVカメラ ●道路照明 ●長時間録画装置 ●道路情報板
- 自発光視線誘導標 ●固定式視線誘導柱

The following experiment and observation facilities are at the field.

- Weather station (aerovane, precipitation meter, visibility meter, snow depth meter)
- ITV camera - Road lighting - Time lapse video recorder - Road information board
- Light-emitting delineator - Fixed pole with arrow-shaped pointer



▲試験道路直線部の道路付属施設設置状況  
Road facilities installed along the straight section

## 実験状況

### Experiments at the Test Field

本実験場では、防雪柵や視線誘導施設など吹雪対策施設に関する開発試験や、視程障害などの厳しい道路条件下でのドライバーの運転挙動調査などを実施しています。

At the field, we have developed and tested snowstorm countermeasure facilities such as snow fences, visual guidance systems and so on. Also, we have tested behavior of drivers under severe road conditions, such as in poor visibility.



▼ 右上：視線誘導施設の視認性調査  
Right top: Test on several types of visual guidance facilities

▲ 左上：矢羽根の評価試験  
Left top: Evaluation test of arrow-shaped pointers

▶ 右下：防雪柵の開発試験  
Right bottom: Test on improved snow fence