


Road Surface Management using the IRI and the Road Management Images.

IRI 와 도로 관리 영상을 이용한 노면 관리

Visual Road Management


IRI Profiler

Contact Type



STAMPER Type

[Installation/Attachment Example]



From the website of KYOWA ELECTRONIC INSTRUMENTS CO., LTD.

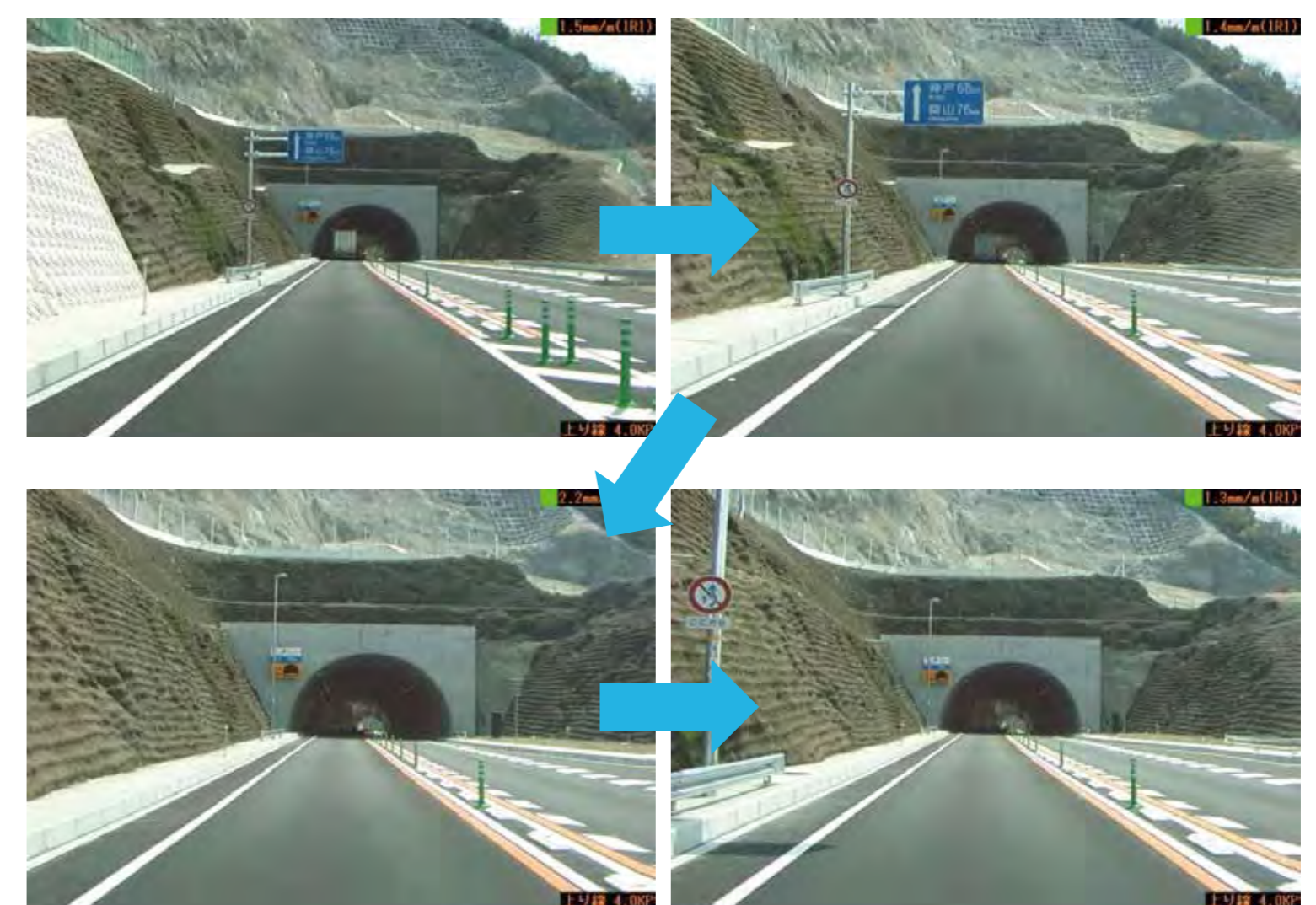
IRI Profiler	Contact Type	STAMPER Type
Method of Measurement	Contact Type with Rollers	Vibration Type
Measurement Speed	0-60km/hr Used at Low Speeds	20-120km/hr Used at High Speeds
Measurement Vehicle	Can be attached to a standard sized car.	Can be attached to a standard sized car.
Applicable Road Surface	Road surface with a level difference of 20 mm or less.	Road surface on which a car can be drive on.

Road Management Imaging (Consecutive Still Photographs)

Images for managing the pavements, joints, and incidental facilities.

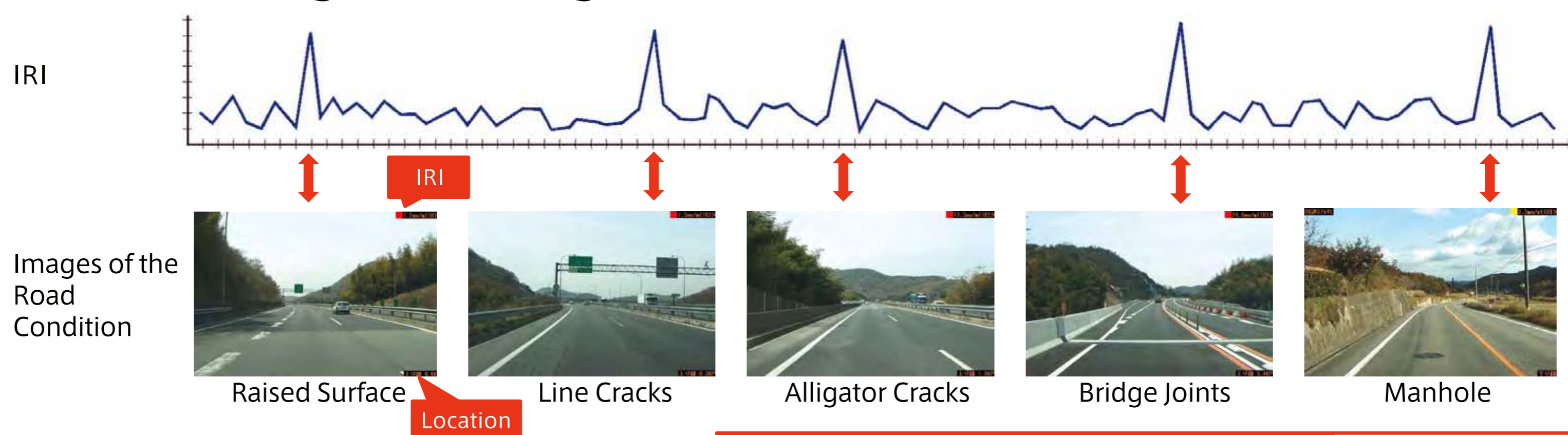
Characteristics

- ① Photos taken at 10m intervals.
- ② Indicates the km, TN, bridge names, etc.
- ③ Records the latitude and longitude.
- ④ Portable using image archives.



The optimum system for road management. The ride quality can be visualized using the Road Management Images.

(1) What road management images will show:



(2) Future road management using the ride quality images.

The road is constantly monitored by the users. For optimum road management, up-to-date road data is crucial. This system allows such needs to be met in real-time.

Application of the system

- Make appropriate road repair plans by identifying the cause of the road damage.
- Improved budget management by simulating the management standards.
- Utilization of the data for asset management.
- Soundness evaluation of the road accessories.