

**PAVEMENT
DATA
COLLECTION**

An important feature of any pavement management system (PMS) is the ability to accurately determine the condition of the pavement network. Mandli's pavement technology is capable of collecting a complete range of data from a vehicle traveling at highway speeds, including high-resolution transverse and longitudinal profiles, and digital downward imaging. When integrated with our innovative software, the data can be used in the analysis of rutting, crossfall, faulting, shoulder drop-off, IRI, pavement macrotexture, and distress.

> Technology



▶ Vehicle Outfitted with the LCMS

Road Surface Profiler	Laser Crack Measurement System
<ul style="list-style-type: none"> › Highway speed measurement of: <ul style="list-style-type: none"> • Profile elevations • International Roughness Index • Slab faulting › Linear and georeferenced data › Real-time profile data display 	<ul style="list-style-type: none"> › Automatic crack detection › Evaluates macrotexture and other road surface features › Rutting measurement (4000 transverse profile points) › 2D imaging and high-res 3D profiling
▲ Range + Automatic Distress	▲ Range ▲ Intensity

- › Safe collection at highway speeds

- › Automatic crack detection

> Deliverables

- ⚙ IRI Values
- ⚙ Rutting
- ⚙ Crack Profiles
- ⚙ High Resolution 3D Profiles

