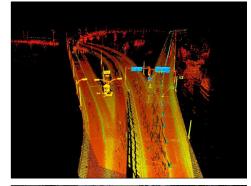


# **Multi Range Multi-D Imaging**

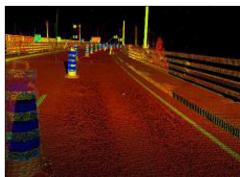












## Transportation: Roads, Decks, Tunnels, Rails, Causeways

SCDS is using its own technology at a fast increasing rate for transportation applications. Both field and office costs have been driven down significantly by SCDS workflows and dedicated tools that automate the data processing.

#### **Technological Features and Performances**

- o Accurate and fast data collection
- Custom workflows for adaptive 2D/3D modeling
- o Custom algorithms and routines for geometry extraction and analysis

### **Efficient Solutions for:**

- Road topo for design/problem analysis and road surveys/monitoring without lane closure
- Pavement QA, volumetry and quantities via surface and profile collection; input to road milling and cambering
- o Slope stability and retaining walls evaluation and monitoring
- Accident investigation and analysis by capturing data without disturbing the scene; structural damage analysis
- As-builts for decks, undersides, piers, abutments, caps, railings and structural elements
- o Construction as-builts for inaccessible structures
- o Road or road/rail intersection surveys without disturbing the traffic
- o Track, signaling and utilities capturing
- o Heritage landmarks for preservation and retrofit projects

#### **Available Export Formats:**

- o DXF/DWG, IGES, STEP, STL
- o ASCII: XYZ, TXT, PTS

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