



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

Efficient Solutions for:

- o Road topo for design/problem analysis and road surveys/monitoring without lane closure
- o 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
- o Accident investigation and analysis by capturing data without disturbing the scene; structural damage analysis
- o 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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