

Software Solutions: Road Structure Assessment

RADAN Software

RADAN™ is GSSI's post-processing software. With its modular design, this program allows users to select the processing functions that best suit their needs.

RADAN is Windows™ based, providing a familiar and easy-to-use environment for all levels of experience.

Road Structure Module

RADAN's Road Structure Assessment Module provides powerful features for processing GSSI's air-launched horn antennas used for collecting pavement data at highway speeds. Features include:

Automatic Velocity Calculation

- GSSI's air-launched antenna calibration technique automatically recalculates the pavement velocity at each individual scan location! This is critical, because changes in pavement type and density are a significant source of error when relying on sporadic core data for calibration.
- No calibration cores are required! Collecting core data is expensive, and calibration using cores requires new core data each time the pavement type or density changes.

Able to Measure Thin Lifts

- The high frequency 2 GHz horn antenna can measure layers as thin as 1 inch.

Easy Data Processing

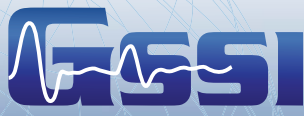
- GSSI's innovative processing tool EZ Tracker provides a simple point-and-click visual method of identifying all pavement layers. The result is a generic ASCII file compatible with almost any database or other program.

GPS Integration

- GSSI's external data logger accepts data from any GPS producing a NMEA GGA output.
- Pavement layer information is available as a Google Earth™ .klm file.

Generic ASCII Output Files

- Permits simple integration with spreadsheets, pavement management databases and other programs.



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