



BridgeScan™

The BridgeScan™ is a complete, affordable GPR system that provides an effective tool for quickly determining the condition of aging bridge decks, parking structures, balconies and other concrete structures. This system is also used to obtain accurate concrete cover depth on new structures.

The BridgeScan Advantage

The American Society of Civil Engineers reported that as of 2016, the average bridge in the U.S. is 43 years old and an increasing number of bridges will soon need major rehab or retirement (ASCE, 2017). Traditional bridge deck inspection methods, like hammer soundings and chain dragging, rely on a person to interpret acoustical feedback to determine good and bad areas of concrete.

The application of BridgeScan provides an accurate condition assessment of a bridge deck as well as other reinforced concrete structures.



MAX DEPTH 30 cm (12 inches)	ANTENNA FREQUENCY 1600 MHz
WEIGHT 24.9 kg (55 pounds)	STORAGE CAPACITY 32 GB
OPTIONAL SOFTWARE RADAN 7 Bridge Assessment Module	CONTROL UNIT SIR® 4000



See our website for more information and detailed specifications: www.geophysical.com

BRIDGESCAN FEATURES

Acquire Data

BridgeScan can identify areas of deterioration inside reinforced concrete bridges. This GPR system makes overlay thickness and concrete cover depth measurements easy to achieve and automatically accommodates for the bridge skew angle.

Cost Effective Bridge Surveys

With BridgeScan, repair costs can be estimated accurately, saving project time and money for Departments of Transportation and pavement contractors.

Record Results

Data can be easily exported as ASCII .csv output files for simple data transfer to other software programs. Or, migrate data results as a Google Earth™.kml file for enhanced visualization.

TYPICAL USES

Bridge deck condition assessment

Void detection and location

Measure concrete thickness

Inspection of other reinforced concrete structures

FCC, RSS-220 and CE Certified

BRIDGESCAN FLEXIBILITY



Concrete Scanning and Inspection

Determine the condition of concrete, parking structures, or balconies with the addition of a small cart and software options.



Utility Locating and Mapping

Locate the depth and position of metallic and non-metallic pipes in real time using our 400 MHz or 350 HS antennas and cart options.

Geophysical Survey Systems, Inc.

40 Simon Street • Nashua, NH 03060-3075 USA • www.geophysical.com