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.

<table>
<thead>
<tr>
<th>MAX DEPTH</th>
<th>ANTENNA FREQUENCY</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 cm (12 inches)</td>
<td>1600 MHz</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>STORAGE CAPACITY</td>
</tr>
<tr>
<td>24.9 kg (55 pounds)</td>
<td>32 GB</td>
</tr>
<tr>
<td>OPTIONAL SOFTWARE</td>
<td>CONTROL UNIT</td>
</tr>
<tr>
<td>RADAN 7 Bridge Assessment Module</td>
<td>SIR, 4000</td>
</tr>
</tbody>
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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.

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.

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