Safety
Safety
Impact to traffic
SAVINGS

2001 study (66 bridges)

• Inspections using traffic control on weekends
  $35,574

vs

• Video Deck Inspection
  • $11,190
Records

Digital image resolution

- Three Cameras facing forward
  1280 x 960

- One Camera directed down (in back)
  4096 x 4280

- The Deck Image size covers an area
  12.5’ wide x 26.4’ long
Benefits

- SAFETY
- IMPACTS TO THE TRAVELING PUBLIC
- QUALITY
- SAVINGS (Time and Money)
- RECORDS
Costs (Labor)

- Developing annual list
- Filming
- Processing
- Previewing
- Reporting
COSTS - EQUIPMENT

Sticker SHOCK!

Price tag: As Equipped

$750,000
TABLE 9
EQUIPMENT IN USE

<table>
<thead>
<tr>
<th>Supplier</th>
<th>Agencies Using</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dynatest and Law</td>
<td>5</td>
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<tr>
<td>GIE Technologies</td>
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<tr>
<td>International Cybernetics Corp.</td>
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<td>INO</td>
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<td>Pasco/CGH/ERES</td>
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<td>Pathway Services</td>
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<tr>
<td>Roadware Group, Inc.</td>
<td>19</td>
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<td>Agency Manufactured</td>
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</table>

Hover over a region to see the description.

Only statewide clients are shown.
Video Deck Criteria

- Video deck candidates **will not** include:
  - Bridges with 24 month UBIT frequency
  - Bridges w/sidewalks
  - Local Agency bridges
  - Bridges w/hwy class >3 (FHWA item 5B)
  - Bridges that carry RR, Ped, or hwy/ped traffic (FHWA item 42A)
Video Deck Criteria

- Video deck candidates **will not** include:
  - Ramps
  - Bridges w/ On-ramps on weave lane (collector distributor)
  - Bridges w/ expansion joints at the intermediate piers
Video Deck Criteria for identifying qualifying bridges

- Video deck candidates will include:
  - Deck Overall code 6 or greater (FHWA item 58).
Video Deck Proposal

- Physical Inspections - Six year interval.
- Inspection findings - Incorporated into the inspection report.
- A flag is to be created for tracking purposes.
- Deficiencies discovered - Additional field investigation
- Annual summary follow-up.
Preview of Data

What to look for:

- Spalls/potholes
- Patches
- Barrier Damage
- Joint alignment/damage
- Elements for further review
<table>
<thead>
<tr>
<th>NBI ELEMENT</th>
<th>COMMENTS:</th>
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<tbody>
<tr>
<td>663 Deck Overall</td>
<td></td>
</tr>
<tr>
<td>681 Approach / Roadway</td>
<td></td>
</tr>
<tr>
<td>684 Bridge Rails</td>
<td></td>
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<tr>
<td>685 Transitions</td>
<td></td>
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<tr>
<td>686 Guardrails</td>
<td></td>
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<tr>
<td>687 Terminals</td>
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<table>
<thead>
<tr>
<th>BMS ELEMENT</th>
<th>COMMENTS:</th>
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<tbody>
<tr>
<td>12 Concrete Deck</td>
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<tr>
<td>321 Concrete Approach Slab</td>
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<tr>
<td>331 Concrete Bridge Rail</td>
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</tr>
<tr>
<td>417 Silicone Rubber Joints</td>
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<tr>
<td>804 Polyester Concrete Overlay</td>
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</table>
Thank You!

Any Questions?