



research bridges railways tunnelling monitoring technology management international

Luling Stay Cable Bridge (Hale Boggs Memorial Bridge, New-Orleans, USA)

The 25-year-old Hale Boggs Memorial Bridge, a landmark crossing carries Interstate 310 across the Mississippi River between Luling and Destrehan, La.

The stay cables of the bridge are arranged in groups of two or four, with a total of 24 groups or 72 individual cables. The stays' protective 1/4-in.- to 1-in.- thick, high-density polyethylene sheathing has deteriorated and there is also rust and water leakage in anchorages. The stays will be replaced.

Before replacement VCE performed cable measurements of all 72 stays. The results are the actual cable forces. A second measurement campaign will be performed after installation of the new stays.

- Client: VSL
- Location: Luling, New Orleans USA
- Checking Period: 2009
- Services: Check of cable forces with BRIMOS®



BRIMOS® Services conducted:

- | | | | | |
|------------------------------|--|---|---|--|
| Lifecycle Management: | <input checked="" type="checkbox"/> Condition Assessment | <input type="checkbox"/> Condition Monitoring | <input type="checkbox"/> Rehabilitation Planning | <input type="checkbox"/> Quality Control |
| | <input type="checkbox"/> Lifetime Assessment | <input type="checkbox"/> Traffic Analysis | <input type="checkbox"/> Environmental Influences | <input type="checkbox"/> Risk Assessment |
| Special Measurements: | <input type="checkbox"/> Attendant Monitoring | <input type="checkbox"/> Noise and Vibrancy | <input type="checkbox"/> Deflection Measurements | <input type="checkbox"/> Seismics |