

**Semi-Active Vibration Absorbers (SAVA) for Highway Bridges**

The Semi-Active Vibration Absorber (SAVA) system was designed by the Center for Structural Control (CSC) at the University of Oklahoma. The SAVA system was created to absorb vibrations and reduce the stress range in highway bridge beams and girders, and to provide a cost effective method for the remediation of existing, low capacity bridges subject to heavy truck traffic. This battery operated servo system is added to the bottom flanges of a bridge's girders. Tests indicate that the load carrying capacity and service life of the bridge can be significantly increased when the system is installed and operating. A patent has been awarded for the SAVA technology.

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