

Step by Step Guidance for Vibration Monitoring of Historic Structures

****All Structures listed in the Vibration Special Provision of the Bid Documents must be protected *in order to comply with the National Historic Preservation Act as well as Chapters 263B and 314 of the Iowa Code.*****

Steps Prior to Commencing Highway Project Construction with a Vibration Special Provision (SP):

1. Review Work Plan - Work with the bid winning contractor to determine an agreeable PPV level for the monitored structure(s), as determined by a prequalified consultant under work category 359.
2. Contact Landowners to discuss vibration monitoring of the property - if you have questions OLE is available to collaborate.
3. Be familiar with the location of the monitored structures and location of the monitoring equipment and devices (e.g. - geophones, crack gages).

Steps Following Initiation of the Highway Construction Project:

4. Verify that equipment testing and daily logs are completed by the Contractor per the SP.

Steps Following an Alarm:

5. In the event of an alarm, the Contractor must notify the RCE.
6. Contractor is to STOP work until the RCE has approved continuation of work.

***Note - RCE is to approve or disapprove of the Contractor's approach to lowering construction vibration due to the project. ***

Steps in the Event of Damage to a Historic Structure:

7. Refer to Section 10.83 Procedures Following Damages to Historic Structures.
8. The contractor is responsible for damages.