

#### Fall 2015 Iowa DOT Vibration Seminar

### **Non-Historic Structures**

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- What percentage of buildings near bridge/highway construction comprised historic structures?
  - Very small
  - Remainder of buildings are non-historic
  - They may be just as susceptible as historic structures
    - Possibly more susceptible



Close, but not historic

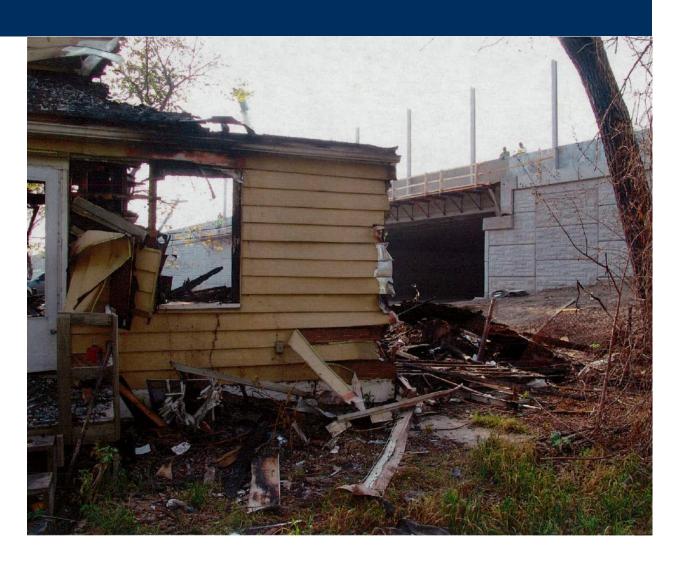








Close, but not considered significant







- Construction activity disturbs neighbors
  - Likelihood of generating complaints
    - -0.05 in/s complaint threshold
  - Perceptible vibrations lead to damage claims
    - Damage threshold is 10 times greater
- Any occupied building within 50 feet of construction work is likely to experience perceptible vibrations
- Evaluate likelihood that neighbors would complain
  - Find distress that was likely already present
  - Eventually they would claim damage





- Protected
- Not historic





Thank You!

Questions?