

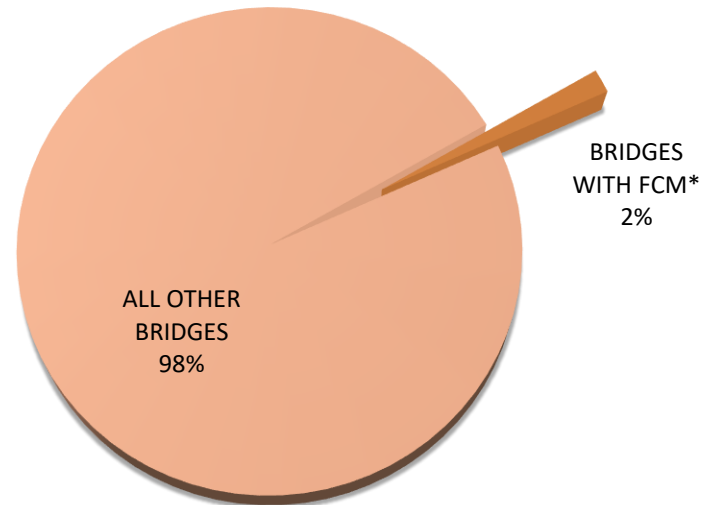
# KANSAS BRIDGE FACT SHEET

## FRACTURE CRITICAL BRIDGES

### Fracture Critical Bridges

Fracture Critical is a classification for members (e.g., girders, beams, piers) of a structure that are steel, have a higher risk of cracking, and are non-redundant (failure of a Fracture Critical Member may lead to a progressive failure of the entire structure). Fracture Critical Members (FCM) require an "arm-length" inspection every two years at minimum.

Kansas has worked to remove many structures with FCM from the State-owned bridge inventory in the last 25 years. However, many still exist on the Local-owned system.



|                          | STATE        | LOCAL         | KTA        | OTHER      | TOTAL         |
|--------------------------|--------------|---------------|------------|------------|---------------|
| <b>NUMBER OF BRIDGES</b> | <b>5,124</b> | <b>19,312</b> | <b>366</b> | <b>125</b> | <b>24,927</b> |
| <i>BRIDGES WITH FCM*</i> | 39           | 289           | 63         | 4          | 395           |
| <i>ALL OTHER BRIDGES</i> | 5,085        | 19,023        | 303        | 121        | 24,532        |

\* Fracture Critical Members



The girders and piers on this ramp structure in Wyandotte County are Fracture Critical Members.