

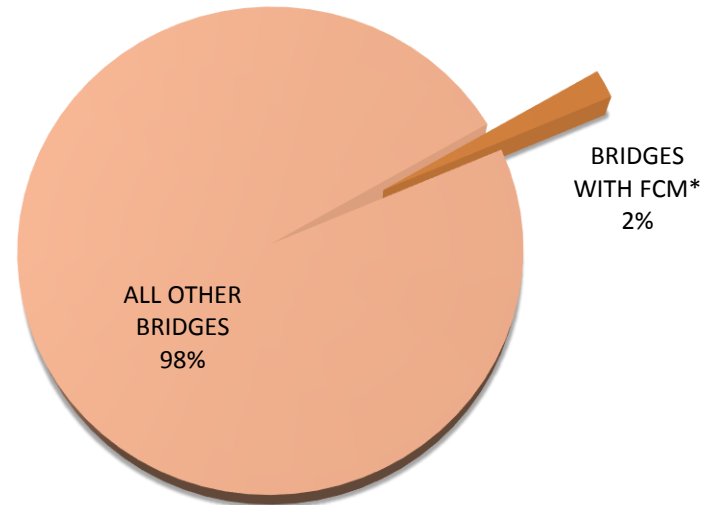
KANSAS BRIDGE FACT SHEET

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
NUMBER OF BRIDGES	5,112	19,403	368	0	24,883
<i>BRIDGES WITH FCM*</i>	42	368	68	0	478
<i>ALL OTHER BRIDGES</i>	5,070	19,035	300	0	24,405

* Fracture Critical Members



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