

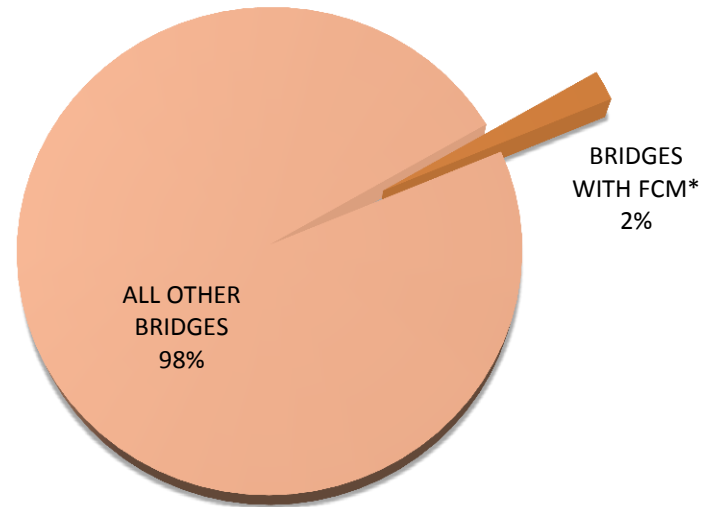
KANSAS BRIDGE FACT SHEET

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 locally owned system.



	STATE	LOCAL	KTA	OTHER	TOTAL
NUMBER OF BRIDGES	5,090	19,435	368	1	24,894
<i>BRIDGES WITH FCM*</i>	42	397	68	0	507
<i>ALL OTHER BRIDGES</i>	5,048	19,038	300	1	24,387

* Fracture Critical Members



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