

State of Good Repair

Bridge Condition

There are 18 structures that are included within the 35-mile study area for the I-70 Truck-Only Lanes Project. There are 8 mainline structures (6 are stream crossings and 2 are part of an interchange) and 10 overpasses (5 interchanges and 5 crossroads). The majority of these structures were constructed when the interstate was built in the early 1960s. The average remaining life expectancy of these structures is 25 years. Among these structures, there are five voided slab structures, five prestressed concrete I-girder structures and eight structures that are either a wide flange girder or combination of wide flange girder and plate girder. The number of spans for these structures range from three to eleven, with the majority having four spans.

The condition rating for the deck, superstructure and substructure for these structures is generally a 6 or 7. Route 41/135 (bridge number L0944) has a condition rating of 3 for the deck and the deck is programmed to be replaced by the end of 2009 as a part of the Safe & Sound Bridge Improvement Program. There is no other work currently programmed for the rest of the structures within this corridor. These structures aren't functionally obsolete and do not currently require a load posting. A little more than half of these structures have a bridge railing that doesn't meet current standards. The scour assessment rating if applicable for these structures is an 8. The sufficiency rating for these structures range from 48% to 97%.

The following section provides a summary of bridge rehabilitation history:

- Bridge A0128 (Route K) = rehabilitated in 1988
- Bridge G0518 (I-70 WB over Blackwater River) = widened in 1970 / rehabilitated in 1984 & 1999
- Bridge A0207 (I-70 EB over Blackwater River) = widened in 1981 / rehabilitated in 1994, 1999 & 2007
- Bridge A0203 (I-70 WB & EB over US 65) = widened in 1982 / rehabilitated in 1974 & 2000
- Bridge A0130 (County Road 211) = rehabilitated in 2001
- Bridge A0201 (I-70 WB over Lamine River) = rehabilitated in 1987
- Bridge A0201 (I-70 EB over Lamine River) = rehabilitated in 1985 & 2000
- Bridge L0944 (MO 41) = re-deck in 2009
- Bridge A5118 and A5119 (Chouteau Creek bridges) = replaced in 1992

Bridges Located within I-70 TIGER Grant Application

Bridge Number	County	Route	Feature Intersected	Interchange or Overpass	Deck Rating	Superstructure Rating	Substructure Rating	Scour Assessment	Sufficiency Rating	Functionally Obsolete	Year Built	Posting	Bridge Type	Spans	Current Std. Bridge Rail	Programmed	Life Expectancy (years)
A0128	Saline	K	I-70	Interchange	6	6	7	NA	78%	No	1961	No	PSI	4	No	No	27
A0129	Saline	YY	I-70	Interchange	6	6	7	NA	80%	No	1961	No	Voided Slab	4	No	No	15
G0518	Saline	I-70 W	Blackwater Rvr	NA	6	7	6	8	97%	No	1947	No*	WF/PG	8/3	Yes	No	13
A0207	Saline	I-70 E	Blackwater Rvr	NA	6	7	5	8	79%	No	1960	No	WF/PG	8/3	Yes	No	26
A0203	Saline	I-70 W	US 65	Interchange	6	7	7	NA	95%	No	1960	No*	WF	4	Yes	No	26
A0203	Saline	I-70 E	US 65	Interchange	6	7	7	NA	90%	No	1960	No*	WF	4	Yes	No	26
A0130	Saline	CRD 211	I-70	Overpass	6	6	6	NA	87%	No	1961	No	PSI	4	No	No	27
A0131	Saline	J	I-70	Interchange	6	6	7	NA	61%	No	1961	No	Voided Slab	4	No	No	15
A0132	Saline	CRD 225	I-70	Overpass	7	6	7	NA	90%	No	1961	No	PSI	4	No	No	27
R0231	Cooper	Z	I-70	Overpass	5	5	7	NA	59%	No	1962	No	Voided Slab	4	No	No	10
A0958	Cooper	K	I-70	Interchange	7	7	7	NA	65%	No	1962	No	Voided Slab	4	No	No	15
A0201	Cooper	I-70 W	Lamine Rvr	NA	6	5	6	8	67%	No	1962	No*	WF/PG	4/4	Yes	No	28
A0201	Cooper	I-70 E	Lamine Rvr	NA	7	6	6	8	79%	No	1962	No*	WF/PG	4/4	Yes	No	28
A0868	Cooper	M	I-70	Overpass	5	5	8	NA	48%	No	1961	No	Voided Slab	4	No	No	10
A5118	Cooper	I-70 W	Chouteau Cr	NA	7	7	6	8	96%	No	1992	No	PSI	3	Yes	No	58
A5119	Cooper	I-70 E	Chouteau Cr	NA	7	7	9	8	96%	No	1992	No	PSI	3	Yes	No	58
L0944	Cooper	MO 41	I-70	Interchange	3	6	7	NA	48%	No	1958	No	WF	4	No	Yes**	24
L0945	Cooper	Dunkles Dr	I-70	Overpass	5	7	7	NA	66%	No	1958	No	WF	4	No	No	24

Average Life Expectancy In Years = 25

* = These structures require restrictions such as centerline of bridge or speed limits less than 15 mph if the superload is greater than 100 tons.

** = Will be redecked by Safe and Sound Project # J5B0801C that was Let on 12/19/2008.