

Structurally Deficient Bridges On the Maryland State Highway System *As of March 15, 2018*

NOTE: The structurally deficient rating, which is a result of an in-depth hands-on bridge inspection, is an early warning sign for engineers to initiate the rehabilitation or replacement process and to use when prioritizing funding. The rating applies to three main elements of a bridge: 1) the deck (riding surface); 2) the superstructure (main supporting element of the deck, usually beams, girders, trusses, etc.); and 3) the substructure (supports to hold up the superstructure and deck, usually abutments and piers). These elements are rated on a scale from zero (closed to traffic) to nine (relatively new). If any of the three elements is rated as a four or less, the bridge is categorized as structurally deficient by federal standards. This does not mean that the bridge is unsafe. If a bridge becomes unsafe, it will be closed.

The information below is taken from the annual submission to FHWA made on March 15, 2018. This submission reports that there are 2,569 bridges on the Maryland State Highway System, of which 62 are classified as structurally deficient, or about 3%.

Summary for 2017:

Number of structurally deficient bridges on April 1, 2017: 67
Number of structurally deficient bridges addressed in 2017: 7

Subtotal: 60

Number of bridges which became structurally deficient in 2017 2

Total number of structurally deficient bridges on March 15, 2018: 62

The following 7 bridges, which were identified as structurally deficient in the April 1, 2017 report to FHWA or during the current cycle, had their structural deficiency addressed. These bridges are not considered structurally deficient in the 2018 report.

Bridge Number	County	Route	Feature Crossed	Deck Rating	Super-structure Rating	Sub-structure Rating	Date of Last Inspection	Year Built	Average Daily Traffic	Structurally Deficient Feature	Status as of March 15, 2018
100072001	Frederick	MD 194	LITTLE PIPE CREEK	9	7	7	08/08/2017	1953	4,532	Deck deterioration	Deck replaced
100146001	Frederick	US 40 EBR	US 40 RAMP F	9	7	7	11/01/2017	1969	7,362	Deck deterioration	Deck replaced
150033001	Montgomery	MD 195	SLIGO CREEK	7	7	7	11/14/2017			Deck and arch deterioration	Deck replaced; arch supports rehabilitated
160167051	Prince George's	IS 95 IL	MD 414	6	5	5		1963	143,828	Concrete deterioration	Piers rehabilitated to hold for Bridge Replacement
160167061	Prince George's	IS 95 OL	MD 414	6	5	5		1963	143,828	Concrete deterioration	Piers rehabilitated to hold for Bridge Replacement
210023001	Washington	MD 56	LITTLE CONOCOCHIEAGUE CREEK	6	6	6	12/13/2016	1907	681	Low Load Rating	Bridge load tested to support higher posting
210089001	Washington	I-70 EB	I-70 RAMP A	8	8	8	07/10/2017	1965		Deck deterioration	Deck and stringers replaced; piers rehabilitated

The following 60 bridges were identified as structurally deficient in the April 2017 report to FHWA, and continue to be listed as structurally deficient.

Bridge Number	County	Route	Feature Crossed	Deck Rating	Super-structure Rating	Sub-structure Rating	Date of Last Inspection	Year Built	Average Daily Traffic	Structurally Deficient Feature	Status as of March 15, 2018
010008001	Allegany	MD 36	JENNINGS RUN	4	5	6	01/17/2017	1929	2,290	Deck deterioration	IHB Project under design
010048001	Allegany	MD 51	C&O CANAL	4	5	6	06/09/2016	1932	1,502	Deck deterioration	Under design
010078001	Allegany	MD 36	NORTH BRANCH	4	5	6	11/16/2017	1960	2,290	Deck deterioration	Under design
030008001	Baltimore	US 1	CSX TRANSPORTATION	4	4	5	10/23/2017	1930	24,652	Deck deterioration	IHB Project under design
030034031	Baltimore	US 40 EBR	LITTLE GUNPOWDER FALLS	4	5	5	08/08/2017	1935	14,156	Deck deterioration	IHB Project advertised for construction
030034041	Baltimore	US 40 WBR	LITTLE GUNPOWDER FALLS	4	5	6	08/08/2017	1935	12,533	Deck deterioration	IHB Project advertised for construction
030050001	Baltimore	MD 137	IS 83	4	6	6	04/19/2017	1955	9,822	Deck deterioration	IHB Project under construction
030062011	Baltimore	IS 83 NB	PADONIA ROAD	4	6	5	06/29/2017	1950	113,761	Deck deterioration	IHB Project advertised for construction
030069001	Baltimore	MD 128	MCGILL RUN	5	4	5	12/19/2017	1929	2,991	Concrete deterioration	Under construction
030099001	Baltimore	MD 151	PATAPSCO AND BACK RIVER, RR AND MD151B	4	4	4	12/01/2016	1954	5,781	Deck and substructure deterioration	Under design
030125001	Baltimore	CROSBY ROAD	IS 695	4	6	6	06/30/2017	1961	6,523	Deck deterioration	IHB Project under construction
030174001	Baltimore	PUTTY HILL AVENUE	I-695	4	6	5	06/09/2017	1961	12,400	Deck deterioration	Project advertised for construction
030351001	Baltimore	MD 151B	PATAPSCO & BACK RIVER RR	4	5	5	12/07/2016	1957	3,470	Deck deterioration	Under design
040011001	Calvert	MD 261	FISHING CREEK	5	4	5	05/26/2017	1940	13,992	Steel deterioration	Under construction
060019001	Carroll	MD 86	SOUTH BR GUNPOWDER FALLS	4	4	5	06/09/2017	1929	3,442	Deck deterioration	IHB Project under construction
060038001	Carroll	MD 496	BIG PIPE CREEK	4	4	4	03/27/2017	1932	3,182	Concrete deterioration	IHB Project under construction
070029001	Cecil	MD 267	AMTRAK	6	6	4	03/21/2016	1967	1,680	Concrete deterioration	Under Construction
070036001	Cecil	MD 272	AMTRAK	3	5	5	02/10/2017	1954	12,402	Deck deterioration	Under construction
070044001	Cecil	MD 273	BIG ELK CREEK	4	6	4	08/02/2017	1964	8,552	Deck deterioration	Under design
080007001	Charles	MD 6	ZEKIAH SWAMP	4	6	6	12/12/2017	1933	12,432	Deck deterioration	Under construction
080020001	Charles	MD 224	THORNE GUT	4	5	6	06/14/2017	1947	112	Deck deterioration	IHB Project advertised for construction
080021001	Charles	MD 225	BR OF MATTAWOMAN CREEK	N	N	N	10/13/2016	1951	8,750	Culvert Deterioration	Under design
080038001	Charles	MD 254	NEALE SOUND	4	5	5	03/17/2016	1963	2,290	Deck deterioration	IHB Project under construction
080047001	Charles	MD 234	GILBERT SWAMP RUN	5	4	5	11/01/2017	1959	5,930	Concrete deterioration	IHB Project under construction
100029001	Frederick	MD 28	MONOCACY RIVER	4	4	5	06/22/2017	1931	9,141	Deck and truss deterioration	IHB Project under design
100062001	Frederick	MD 140	FLAT RUN	5	4	5	09/06/2017	1932	7,930	Concrete deterioration	Under construction
100073011	Frederick	I-270 NB	MD 85	4	5	5	11/15/2017	1950	109,670	Deck deterioration	IHB Project under construction
100073021	Frederick	I-270 SB	MD 85	4	5	5	08/05/2017	1950	109,670	Deck deterioration	IHB Project under construction
100084001	Frederick	MD 355	CSX TRANS.	4	5	5	09/05/2017	1931	9,582	Deck deterioration	IHB Project under construction
100086001	Frederick	MD 355	BENNETT CREEK	4	5	4	06/13/2017	1924	8,502	Deck, concrete deterioration	IHB Project under design
100089001	Frederick	MD 478	BR OF POTOMAC RIVER	4	5	5	11/13/2017	1925	2,471	Deck deterioration	IHB Project advertised for construction
100090001	Frederick	MD 464	LITTLE CATOCTIN CREEK	4	5	5	10/05/2017	1933	9,880	Deck deterioration	Under design
100097011	Frederick	US 15 NB	MD 26	4	5	5	08/09/2016	1957	42,640	Deck deterioration	Under construction
110002001	Garrett	MD 39	YOUGHIOGHENY RIVER	5	4	5	10/11/2017	1923	3,412	Concrete deterioration	IHB Project under design
110024001	Garrett	US 219	YOUGHIOGHENY RIVER	7	5	4	08/03/2017	1900	1,660	Concrete deterioration	Under design
130045001	Howard	TRIADELPHIA ROAD	MD 32	4	6	5	08/17/2016	1961	4,407	Deck deterioration	IHB Project advertised for construction
140005011	Kent	US 301 NB	MD 290	4	6	6	01/10/2018	1955	9,710	Deck deterioration	Under construction
150053001	Montgomery	MD 355	LITTLE BENNETT CREEK	4	4	5	06/20/2017	1925	7,540	Deck deterioration	IHB Project under design
150129001	Montgomery	SEMINARY ROAD	IS 495	4	5	6	06/16/2017	1964	6,731	Deck deterioration	Under construction
160061001	Prince George's	MD 382	CHARLES BRANCH	5	4	6	06/24/2016	1933	4,500	Concrete deterioration	Under design
160069001	Prince George's	RIVERDALE ROAD	NE BRANCH OF ANACOSTIA RIVER	4	4	6	01/16/2018	1931	7,399	Deck deterioration	Under design
160153051	Prince George's	I-95 IL	MD 214	5	5	4	06/11/2017	1963	203,660	Concrete deterioration	Under design
160153061	Prince George's	1-95 OL	MD 214	6	5	4	06/11/2017	1963	203,660	Concrete deterioration	Under design

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160160051	Prince George's	IS 95 IL	SUITLAND PARKWAY	4	5	6	01/18/2017	1963	185,190	Deck deterioration	IHB Project under design
160160061	Prince George's	IS 95 OL	SUITLAND PARKWAY	4	4	6	01/15/2017	1963	185,190	Deck deterioration	IHB Project under design
160162051	Prince George's	IS 95 IL	SUITLAND ROAD	4	5	5	05/31/2017	1963	177,270	Deck deterioration	IHB project under construction
160162061	Prince George's	IS 95 OL	SUITLAND ROAD	4	4	5	05/31/2017	1963	177,270	Deck deterioration	IHB project under construction
160166001	Prince George's	TEMPLE HILL ROAD	I-95	4	6	6	06/07/2017	1963	17,910	Concrete deterioration	IHB Project advertised for construction
170011011	Queen Anne's	US 301 NB	MD 290	4	5	6	11/04/2016	1955	10,370	Deck deterioration	IHB project under construction
170012011	Queen Anne's	US 301 NB	RED LION BRANCH	4	5	6	04/27/2016	1955	10,370	Deck deterioration	included in IHB project under construction
170014011	Queen Anne's	US 301 NB	CHESTER RIVER	4	5	5	01/07/2016	1955	10,370	Deck deterioration	Under design
170020001	Queen Anne's	MD 213	GRAVEL RUN	4	6	6	07/20/2016	1932	11,741	Deck deterioration	Under design
170021001	Queen Anne's	MD 213	OLD MILL STREAM	6	6	4	08/16/2016	1912	14,921	Timber pile deterioration	Under design
180007001	Saint Mary's	MD 5	HILTON RUN	4	6	5	06/09/2016	1936	8,010	Concrete deterioration	Under design
190010001	Somerset	MD 364	DIVIDING CREEK	5	5	4	08/30/2017	1933	1,140	Concrete deterioration	Under design
210039001	Washington	MD 68	BEAVER CREEK	4	4	5	07/11/2017	1824	2,592	Arch deterioration	Under construction
210073041	Washington	I-70 WB	I-81	4	5	5	10/22/2017	1964	62,680	Deck deterioration	Under construction
210085001	Washington	MD 68	WINCHESTER & WESTERN RR	4	6	6	11/01/2016	1965	9,602	Deck deterioration	Under design
210096001	Washington	MD 56	I-70	4	5	5	03/07/2017	1964	461	Deck deterioration	Under design
210118031	Washington	IS 70 EB	MD 65	4	5	6	05/23/2016	1968	62,740	Deck deterioration	Under design

The following 2 bridges were not classified as structurally deficient on April 1, 2017, but became classified as structurally deficient as a result of the most recent inspection in 2017-18.

Bridge Number	County	Route	Feature Crossed	Deck Rating	Super-structure Rating	Sub-structure Rating	Date of Last Inspection	Year Built	Average Daily Traffic	Structurally Deficient Feature	Status as of March 15, 2018
0104700	Allegany	MD 51	TOWN CREEK	4	5	5	06/05/2017	1932	2,142	Deck deterioration	Under design
0109200	Allegany	MD 51	WINEOW STREET AND CSXT	4	6	6	05/15/2017	1965	12,482	Deck deterioration	Under design

KEY:



Projects currently advertised or under construction.



Projects which have been funded for construction but not yet advertised