

**STATE OF NEW HAMPSHIRE  
DEPARTMENT OF TRANSPORTATION**

**2016 MUNICIPALLY OWNED RED LIST BRIDGES**

*Municipally owned bridges requiring interim inspections due to  
poor conditions, and / or weight limit postings.  
These structures are inspected once yearly.*

***Prepared by the Bridge Working Group***

*Effective December 31, 2016*

*Printed February 1, 2017*

	<i>Bridge ID</i>	<i>Owner</i>	<i>Facility over Feature</i>
1	Alexandria 101/120	Municipality	Brook Road over Brock Brook
2	Amherst 109/090	Municipality	New Boston Road over Beaver Brook
3	Amherst 134/100	Municipality	Manchester Road over Beaver Brook
4	Andover 065/075	Municipality	Kearsarge Mt Road over Mountain Brook
5	Bradford 161/145	Municipality	Breezy Hill Road over Warner River
6	Concord 070/117	Municipality	Sewalls Falls Road over Merrimack River
7	Cornish 089/082	Municipality	Tandy Brook Road over Mill Brook
8	Dublin 085/103	Municipality	Charcoal Road over Charcoal Brook
9	Enfield 172/112	Municipality	Boy's Camp Road over Bicknell Brook
10	Gilsum 138/160	Municipality	Howard Road over Ashuelot River
11	Grantham 105/128	Municipality	Miller Pond Road over Skinner Brook
12	Hanover 144/085	Municipality	Ruddsboro Road over Mink Brook
13	Haverhill 103/039	Municipality	Page Road over North Branch
14	Hudson 110/086	Municipality	Central Street over Hadley Brook
15	Keene 141/074	Municipality	Harrison Street over Beaver Brook Loon Mountain Road over East Branch
16	Lincoln 212/151	Municipality	Pemigewasset River
17	Merrimack 072/155	Municipality	Bean Road over Baboosic Brook
18	Merrimack 116/137	Municipality	McGaw Bridge Road over Baboosic Brook
19	New Hampton 055/074	Municipality	Coolidge Woods Road over Blake Brook
20	Newton 061/119	Municipality	Webster Groves Road over Country Pond Outlet
21	Orford 120/173	Municipality	Grimes Hill Road over Indian Pond Brook
22	Rochester 148/113	Municipality	Recreation Trail over Cochecho River
23	Rumney 128/073	Municipality	Buffalo Road over Brook
24	Salem 118/116	Municipality	Town Farm Road over Spicket River
25	Sandown 093/109	Municipality	Phillips Road over Exeter River
26	Sunapee 094/100	Municipality	Lower Main Street over Sugar River
27	Tamworth 163/132	Municipality	Whittier Road over Stony Brook
28	Temple 095/072	Municipality	Hadley Highway over Temple Brook
29	Walpole 154/112	Municipality	March Hill Road over Brook

**Total Bridges Removed: 29**

**2016 MUNICIPAL BRIDGE RED LIST**  
**(based on bridge inspection data through 12/31/2016)**

Town / City	Bridge Number	Facility Carried	Feature Crossed	ADT (Year)	Condition of Deck, Superstructure, Substructure, or Culvert	Total Length (ft); Total Width (ft); No. of Spans	Gross Deck Area (sf)	Date of Most Recent Inspection	Detour Length (Miles)	Bridge Posting	Structure Type	Year Modified / Year Built
Salem	116/116	BLUFF STREET EXT	WIDOW HARRIS BROOK	2,200-14	Culvert 0 Failed - Closed	L=23.2 W=0.0 3-span	697	10/25/2016	1	NPR	MP	1960
Sanbornton	118/089	BROOK ROAD	SALMON BROOK	230-87	Deck 8 Very Good Superstructure 8 Very Good Substructure 4 Poor	L=35.0 W=16.0 1-span	560	12/9/2016	1	NPR	CS	2012/1900
Sanbornton	219/072	CHAPMAN ROAD	PATTERSON BROOK	50-98	Deck 7 Good Superstructure 6 Satisfactory Substructure 7 Good	L=30.0 W=19.0 1-span	570	12/9/2016	6	10 Tons	IB-W	2002
Sandown	098/117	FREMONT ROAD	EXETER RIVER	230-13	Deck 8 Very Good Superstructure 8 Very Good Substructure 4 Poor	L=16.5 W=27.0 1-span	446	12/21/2016	1	NPR	CS	2006/1980
Sandwich	157/101	BASKET STREET	BEARCAMP RIVER	10-84	Deck 7 Good Superstructure 5 Fair Substructure 4 Poor	L=24.0 W=18.1 1-span	434	9/8/2016	6	E-2	IB-C	1940
Sandwich	203/138	QUAKER WHITEFACE R	WHITEFACE RIVER	50-13	Deck 4 Poor Superstructure 6 Satisfactory Substructure 5 Fair	L=48.0 W=21.5 1-span	1,032	9/26/2016	4	E-2	IB-C	1953
Sandwich	226/119	DURGIN BRIDGE ROAD	COLD RIVER	180-13	Deck 5 Fair Superstructure 5 Fair Substructure 6 Satisfactory	L=96.0 W=16.2 1-span	1,559	9/26/2016	4	6 Tons	TB-C	1960/1869
Sharon	071/056	SWAMP ROAD	GRIDLEY RIVER	10-84	Deck 7 Good Superstructure 7 Good Substructure 4 Poor	L=19.2 W=16.0 1-span	307	10/13/2016	4	NPR	IB-G	1991/1938
South Hampton	069/066	HILDALE AVE	POWWOW RIVER	360-14	Deck 4 Poor Superstructure 4 Poor Substructure 4 Poor	L=31.0 W=18.6 1-span	577	11/28/2016	6	15 Tons	IB-C	1920
South Hampton	099/052	WHITEHALL ROAD	POWWOW RIVER	540-15	Deck 6 Satisfactory Superstructure 4 Poor Substructure 7 Good	L=33.0 W=22.0 1-span	726	11/28/2016	2	E-2	IB-C	1976
Springfield	071/138	GEORGE HILL ROAD	GOVE BROOK	300-15	Culvert 4 Poor	L=12.0 W=0.0 1-span	360	9/16/2016	3	E-2	MP	1970
Stark	068/173	LEIGHTON MEADOW RD	PHILLIPS BROOK	100-84	Deck 5 Fair Superstructure 5 Fair Substructure 3 Serious	L=40.0 W=13.6 1-span	544	10/12/2016	4	6 Tons	CTB	1970/1940
Stratford	057/135	BARN DOOR GAP ROAD	BIG RIVER	200-87	Culvert 4 Poor	L=14.0 W=0.0 1-span	420	8/23/2016	3	E-2	MP	1984
Sugar Hill	202/128	CRANE HILL ROAD	GALE RIVER	50-84	Deck 4 Poor Superstructure 4 Poor Substructure 5 Fair	L=108.0 W=18.9 1-span	2,041	8/23/2016	18	8 Tons	HT	1960/1928
Sunapee	069/069	TRASK BROOK ROAD	WENDELL BROOK	200-84	Culvert 4 Poor	L=11.0 W=0.0 2-span	330	9/20/2016	1	NPR	MP	1983
Sunapee	071/052	BRADFORD ROAD	WENDELL BROOK	1,900-14	Deck 5 Fair Superstructure 3 Serious Substructure 5 Fair	L=20.0 W=20.0 1-span	400	9/20/2016	4	15 Tons	IB-BP	1950
Sutton	086/158	HOMINY POT ROAD	LION BROOK	240-13	Culvert 4 Poor	L=14.5 W=0.0 2-span	435	9/16/2016	0	NPR	MP	1996
Swanzy	080/090	WESTPORT VILL ROAD	ASHUELOT RIVER	870-13	Deck 6 Satisfactory Superstructure 7 Good Substructure 7 Good	L=143.0 W=17.1 1-span	2,445	8/17/2016	1	15 Tons	TB-C	2001/1862
Swanzy	093/124	MAIN STREET	ASHUELOT RIVER	3,100-13	Deck 7 Good Superstructure 7 Good Substructure 7 Good	L=152.0 W=17.8 2-span	2,705	8/18/2016	4	3 Tons	TB-C	1993/1832
Swanzy	098/122	CHRISTIAN HILL RD	NHRR	0-15	Deck 1 Closed - Failing Superstructure 1 Closed - Failing Substructure 1 Closed - Failing	L=74.0 W=20.8 3-span	1,539	8/18/2016	1	BRC	TB	1960/1930
Swanzy	120/072	RABBIT HOLLOW ROAD	PERRY BROOK	50-84	Culvert 4 Poor	L=16.0 W=0.0 2-span	480	8/16/2016	31	E-2	MP	1979
Swanzy	136/143	SAWYERS CROSSING	ASHUELOT RIVER	4,200-14	Deck 6 Satisfactory Superstructure 7 Good Substructure 7 Good	L=159.0 W=20.9 2-span	3,323	8/17/2016	6	3 Tons	TB-C	1996/1859
Swanzy	148/100	CARLTON ROAD	SOUTH BROOK	1,300-13	Deck 6 Satisfactory Superstructure 7 Good Substructure 7 Good	L=89.0 W=16.9 1-span	1,166	8/16/2016	3	3 Tons	TB-C	1997/1869
Tamworth	037/157	SCOTT ROAD	CHOCORUA RIVER	10-84	Culvert 4 Poor	L=11.0 W=0.0 1-span	330	11/30/2016	99	NPR	MP	1995
Tamworth	110/072	BUNKER HILL ROAD	MILL BROOK	140-13	Deck 7 Good Superstructure 4 Poor Substructure 4 Poor	L=34.0 W=16.0 1-span	544	11/30/2016	6	6 Tons	IB-W	1960/1930
Tamworth	145/118	BRYANT ROAD	MILL BROOK	10-84	Deck 8 Very Good Superstructure 7 Good Substructure 7 Good	L=31.0 W=16.0 1-span	496	11/30/2016	99	15 Tons	IB-W	1960/1940
Temple	107/117	POWERS ROAD	BLOOD BROOK	50-84	Deck 4 Poor Superstructure 5 Fair Substructure 4 Poor	L=24.0 W=16.0 1-span	384	10/6/2016	2	3 Tons	IB-C	1920
Temple	110/143	NORTH ROAD	BROOK	140-13	Deck 6 Satisfactory Superstructure 6 Satisfactory Substructure 7 Good	L=25.0 W=19.5 1-span	488	10/6/2016	4	15 Tons	CS	1940

## 2016 Municipal Red List Bridge Summary Key

January 31, 2017

The Bridge Municipal Red List is comprised of municipally-owned bridges requiring interim inspections due to poor condition and/or weight limit postings. The municipal structures are inspected yearly.

Definitions of the column headings used in the Bridge Municipal Red List are listed below:

1. City / Town – The City or Town a bridge is in. If the bridge spans between two Cities or Towns, both are listed.
2. Bridge Number – The six digit bridge number assigned by the Bureau of Bridge Design. This number is combined with the town / city name to identify each structure uniquely.
3. Facility Carried – This is the roadway or rail line carried by the bridge.
4. Facility Crossed – This is the roadway, waterbody, or rail line crossed by the bridge.
5. ADT (Year) – Average Daily Traffic with the year the traffic was estimated for.
6. Condition of Deck, Superstructure, Substructure, or Culvert – In accordance with the National Bridge Inspection Standards (NBIS), each major structural element (deck, superstructure, or substructure; or; culvert) of a bridge is rated according to its condition. In addition, AASHTO has developed recommended color ratings for bridges to indicate their overall general condition.
  - a. “9 = Excellent” (Green)
  - b. “8 = Very Good” (Green)
  - c. “7 = Good” (Green)
  - d. “6 = Satisfactory” (Yellow)
  - e. “5 = Fair” (Yellow)
  - f. “4 = Poor” (Red)
  - g. “3 = Serious” (Red)
  - h. “2 = Failing” (Red)
  - i. “1 = Closed/Failing” (Red)
  - j. “0 = Closed” (Red)

Note: When a bridge has a condition rating of “4 = Poor” or less, it is considered to be structurally deficient and is added to the Red List. A bridge may also be on the Red List if it has a weight limit posting, e.g., “10-Tons”.

7. Total Length (ft); Total Width (ft); No. of Spans – Bridge specific information about width and length of bridge to compute deck area.
8. Gross Deck Area (sf) – Multiplication of length times width to develop a bridge area. Culverts use an approach width of 30.0 feet for this calculation as the width of the structure is not within the NBI data.
9. Date of Most Recent Inspection – Actual date that the last field inspection was completed.

10. Bridge Posting – Current bridge posting if required.
11. Structure Type – Using NH Bridge Type abbreviations, the type of bridge structure is noted.
12. Year Modified / Year Built – The year of the most recent major rehabilitation effort and the original year of construction.