

What Does the FHWA Rulemaking on Bridge Performance Measures Mean to NHDOT ?

**Northeast Bridge Preservation Partnership
Manchester, New Hampshire
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Rulemaking Requires 2 Performance Measures

1. Percentage of NHS Bridge Classified as in "Good" Condition (NBI Rating Scale 7 to 9)
2. Percentage of NHS Bridge Classified as in "Poor" Condition (NBI Rating Scale 0 to 4)

Number of Bridges in NH

NHDOT (AASHTO Scale)

Bridges, 10' and greater

	State	Municipal and other	Total
Total	2159	1687	3846
Red List	153	344	497
Mediocre	796	600	1396
Good	1187	694	1881
Closed or NA	23	49	72

Effective December 31, 2014, Printed April 1, 2015

NHDOT (AASHTO Scale) Area

Bridges, 10' and greater

	State	Municipal and other	Total
Total	10,463,649.62	2,560,068.94	13,023,718.56
Red List	827,246.62	428,698.46	1,255,945.08
Mediocre	3,374,847.52	964,664.18	4,339,511.70
Good	6,195,941.47	1,073,019.80	7,268,961.27
Closed or NA	65,614.01	93,686.50	159,300.51

Effective December 31, 2014, Printed April 1, 2015

2014 STATE RED LIST SUMMARY

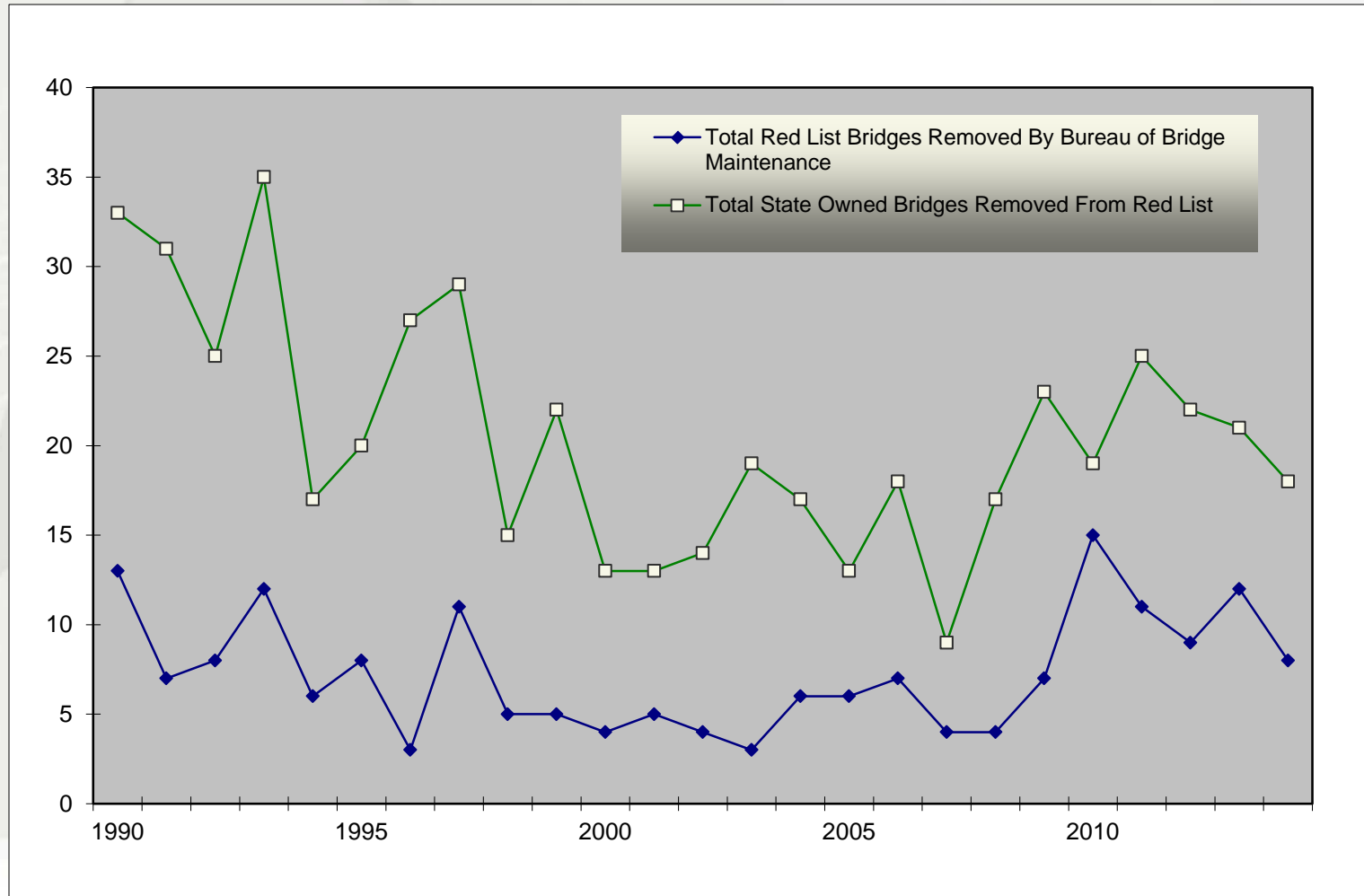
Total Red List Bridges Programmed	55
Red List Bridges being addressed by Bridge Maintenance	36
Red List Bridges being kept in service	7
Red List Bridges needing to be programmed	35
Red List Bridges Waiting Municipal Actions	6
Red List Bridges to be addressed by Rail & Transit	2
Red List Bridges Under Construction	<u>12</u>

Total: 153 Bridges

STATE OWNED RED LIST 2014 PROGRESS CHART

Year	Year Start Total	Number Added	Number Removed	Year End Total
2000	144	26	13	157
2001	157	24*	13	168
2002	168	13	14	167
2003	167	5	19	153
2004	153	10	17	146
2005	146	7	13	140
2006	140	15	18	137
2007	137	9	9	137
2008	137	19	17	139
2009	139	26	23	142
2010	142	25	19	148
2011	148	17	25	140
2012	140	27	22	145
2013	145	23	21	147
2014	147	24	18	153
2015	153			

Number of Bridge Removed from The SRL by BOBM



Five Years Worth of NHS Data

Red-Yellow-Green NHS Areas (Federal-Definition Bridges)

- Data from NBI submissions submitted April 2010 thru April 2015, for CY 2009 thru 2014 -

	2010	2011	2012	2013	2014	2015
Red Area	603,139	599,202	549,078	466,780	494,932	488,476
Yellow Area	2,100,364	2,218,829	2,158,010	2,486,510	2,542,741	2,426,856
Green Area	3,211,577	3,147,393	3,277,926	3,729,573	3,750,795	4,068,101
Total Bridge Area	5,915,081	5,965,425	5,985,014	6,682,863	6,788,468	6,983,433
Red % by Area	10.2%	10.0%	9.2%	7.0%	7.3%	7.0%
Yellow % by Area	35.5%	37.2%	36.1%	37.2%	37.5%	34.8%
Green % by Area	54.3%	52.8%	54.8%	55.8%	55.3%	58.3%

- Notes: 1) This table includes all owners of federal-definition bridges on the NHS.
 2) Adjustments are not made for border bridge share percentages.
 3)"Red" is structurally deficient per Pontis 4.4.4 software sufficiency rating routine.
 4)"Yellow" is non-structurally deficient with minimum element rating of 5 or 6.
 5)"Green" is non-structurally deficient with minimum element rating of 7.
 6) Culverts coded with zero width are assigned 30' width by default.
 7) In the 2013 submission, Wieczorek Drive added 269,340SF of NHS deck area.