APPENDIX B

VAOT Bridge Inspection Report and Inventory

VERMONT BRIDGE INSPECTION REPORT

ROUTE NO. FAS188 BR. NO. 6 DIST. 6 DATE 7-16-92
TOWN Warren FEATURE CROSSED Mad River
BRIDGE TYPE Single Span Queen Post Covered Bridge INSPECTOR Arlan W. Elwood

ITEM 58, DECK	* CRITICAL AREAS	
1. WEARING SURFACE	none	
2. STRUCTURAL CONDITION	wear in travel areas of nail laminated corrugated timber deck	7
3. CURBS	none	
4. SIDEWALKS	N/A	
5. RAILING	none except wood plank nailed to interior siding	5
6. DRAINS	none	
7. JOINT LEAKAGE	at abut's	5
8. EXPANSION DEVICE	None	
	INSPECTORS CONDITION RATING	7

ITEM 59, SUPERSTRUCTURE		
1. BEARING DEVICES	Supported on end wood floor beams	6
2. GIRDERS/BEAMS		
3. COVER PLATES		
4. TRUSSES, PORTALS, BRACING, ETC.	Splits, knots & checks in visible portions	5
5. FLOOR BEAMS	Large split in each number 4 cast on interior FB	5
6. STRINGERS	rot in bottom of northernmost interior stringer	5
7. PAINT	N/A	
8. RUST	visible portions of connection bolts quite rusty	5
9. RIVETS, BOLTS, WELDS		
10. COLLISION DAMAGE	minor scaling at 2 knee braces	6
11. ALIGNMENT OF MEMBERS	minor sweep in south truss	6
12. VIBRATIONS, DEF. UNDER LOAD	minor vibration under load	6
13. FCM YES___ NO___ COMMENT:		
	INSPECTORS CONDITION RATING	5

ITEM 60, SUBSTRUCTURE		
1. ABUTMENT - STEM	East abut good - west abut bas bare, cracking & heavy scaling (spring - bot)	5
A. BACKWALLS	good	8
B. BRIDGE SEATS	Good	8
C. WINGS	good at east abut, heavy spalling & cracking at west abut	5
D. FOOTINGS		
E. PILES		
F. EROSION	scour at both abutments but no undermining	5
G. SETTLEMENT		
2. PIERS - CAPS	N/A	
A. COLUMNS		
B. FOOTINGS		
C. SCOUR		
D. SETTLEMENT		
E. PILES		
	INSPECTORS CONDITION RATING	5

FAS 188 Br. 6 Warren 7/16/92

This structure is a single span ~~elean~~ Queen post covered bridge. The decking on this structure is a nail laminated untreated timber. There is bituminous concrete pavement in both approaches to the structure. Bituminous concrete pavement in the west approach is in poor condition. There is potholing and raveling at the shoulders. Bituminous concrete pavement in the east approach has areas of longitudinal and transverse cracking. Approach railing at the east approach is standard steel beam on light steel posts without offset blocks. The timber deck is in fair condition. There is some minor gouging at various locations and some tire tread wear through the traffic portions of this deck. There are concrete backwalls at each end of the structure. These backwalls are in good condition. The roof is covered with cedar shingles. There are random holes in these shingles that should be repaired. The upper portion of the truss lateral bracing and knee bracing members that are visible are in fair condition. There is some splitting but no apparent rot. The lower portions of the trusses ~~the~~ the top of the bottom chord is not visible due to the boarding. The alignment of the members in the structure remains good with no apparent sweeps or sagging. The floor system consists of longitudinal stringers spanning between floor beams at the abut. and floor beams at the third points of the span. Visible portions of the bottom chord have horizontal splitting but no apparent rot. The floor beams have areas of splitting and checking but no apparent rot. The interior floor beams are made up of three beams bolted together, one of these beams on the eastern interior floor beam has a split for 3/4 of its length. The visible portions of the bolted connections are quite rusty. The northern most stringer spanning between the two middle floor beams has areas of checking and apparent rot in the bottom of it. However, this condition appears only in the bottom of this stringer. The remaining stringers have areas of splitting and no apparent rot. The east abut. and wingwalls are new since the last inspection and are in good condition. The west abut. is a concrete facing on a laid up stone. The south wingwall has areas of heavy spalling as does the abut. end of the north wingwall. The abut. itself has horizontal cracking and heavy scaling particularly down near the flow line. There is also cracking with leakage in the north wingwall. There is some scour along each abut. but no undermining at this time. There is a gravel bar upstream of the structure. There is stone fill along the west bank upstream of the structure. There is an old log crib retaining wall on the east side of the channel downstream of the structure. Overall the channel is in good condition. This structure is not posted for a weight limit but is limited to car traffic only with signs saying "No Trucks or Buses".

onsys717.awe Elwood

Run Date 02/16/94 | Vermont Agency of Transportation | Rte. No. FAS 0188
Rev. By _____ | BIS, Print Items for Revision | Bridge No. 00006
Rec. No. 1556 | State Structures 20 Feet And Over | Town WARREN
Rt. Log 00006 | 000058' Bridge | District 6
Cross Ref.

1.	State Code	501
2.	District	6
3.	County Code	023
4.	Place Code	76525
5.	Inventory Route	141000030
6.	Name of Feature Crossed	MAD RIVER
7.	Facility Carried by	TR 03 FAS 188
8.	Bridge Code Number	200188000612172
9.	Location	0.5 MI E JCT. VT.100 S
10.	Inv. Route, Min. Vertical Clearance	1110
11.	Milepoint	003970
16.	Latitude	44067
17.	Longitude	072514
19.	Distance to Alternate Facility, Miles	01
20.	Toll	3
21.	Maintenance Responsibility	03
22.	Owner	03
26.	Functional Classification Code	07
27.	Year Structure was Built	1879
106.	Year Reconstructed	0000
208.	Last Project Number	COV. BR.
209.	Project Name	
28.	Lanes On/Under Structure	0100
29.	ADT On Structure	000250
30.	Year Of ADT	91
242.	Source of ADT	2
31.	Design Live Load	0
32.	Approach Width (Incl. Shoulder), Feet	021
33.	Bridge Median	0
34.	Skew Angle, Degrees	00
35.	Structure Flared	0
36.	Traffic Safety Features	0000
37.	Historical Significance	1
38.	Navigation Control?	0
39.	Nav. Vertical Clearance, Feet	000
40.	Nav. Horizontal Clearance, Feet	0000
41.	Structure Open, Posted or Closed to Traffic	P
42.	Type of Service	15
43.	Type of Structure, Main Spans	710
44.	Type of Structure, Approach Spans	000
45.	Number of Main Spans	001
46.	Number of Approach Spans	0000
47.	Total Horizontal Clearance, Feet	139
48.	Maximum Span Length, Feet	0047

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49.	Overall Length of Structure, Feet	000058
50A.	Left Sidewalk Width	000
50B.	Right Sidewalk Width	000
51.	Roadway Width (Curb to Curb), Feet	0139
52.	Deck Width (Out to Out), Feet	0139
53.	Vertical Clearance Over, Feet	1110
54.	Vertical Clearance Under, Feet	N0000
55.	Underclearance, Lateral-Right	N999
56.	Underclearance, Lateral-Left	000
58.	Rating of Deck	7
59.	Rating of Superstructure	5
60.	Rating of Substructure	5
61.	Rating of Channel	6
62.	Rating of Culvert and Retaining Walls	N
67.	Structural Condition	2
68.	Deck Geometry	2
69.	Vertical and Horizontal Underclearances	N
70.	Bridge Posting	4
71.	Waterway Adequacy	5
72.	Approach Alignment	6
211.	Rating of Paint	N
212.	Year Structure Last Painted	
75.	Type of Work	311
76.	Length of Structure Improvement	000103
90.	Date Inspected, mm/yy	07/92
91.	Designated Inspection Frequency	24
92.	Critical Feature Inspection	N Y48N
93.	Critical Feature Inspection Date	0791
94.	Bridge Improvement Cost	000509
95.	Roadway Improvement Cost	000050
96.	Total Project Cost	000641
97.	Year of Improvement Cost Estimate	91
98.	Border Bridge	
99.	Border Bridge Structure No.	
100.	Defense Highway Designation	0
101.	Parallel Structure Designation	N
102.	Direction of Traffic	3
103.	Temporary Structure Designation	
104.	Highway System	0
107.	Deck Structure Type	8
108.	Wearing Surface/Protective System	709
109.	Average Daily Truck Traffic	06 ← Trucks not allowed
110.	Designated National Network	0
111.	Pier or Abutment Protection	
112.	NBIS Bridge Length	Y
113.	Scour Critical Bridges	6
114.	Future ADT	000350
115.	Year of Future ADT	12
116.	Minimum Navigation Vertical Clearance	000
200.	State System Code	05