# National Register of Historic Places Registration Form

This form is for use in nominating or requesting determinations of eligibility for individual properties or districts. See instructions in *Guidelines* for Completing National Register Forms (National Register Builetin 16). Complete each item by marking "x" in the appropriate box or by entering the requested information. if an item does not apply to the property being documented, enter "N/A" for "not applicable." For functions, styles, materials, and areas of significance, enter only the categories and subcategories listed in the instructions. For additional space use continuation sheets (Form 10-900a). Type all entries.

historic name       Ottauquechee River Bridge         other names/site number       US Route 5 Ottauquechee River Bridge         2. Location       N/A) not for publication         siteel & number       US Route 5         elly, town       Hartland         siteel & number       US Route 5         Ownership of Property       Reader of the sources within Property         public-local       district         public-local       district         public-local       district         public-local       district         public-local       district         public-Federal       site         public-Federal       district         public-Federal       district         public-Federal       district         district	1. Name of Property					
2. Location         street & number       US Route 5         city, town       Hartland         ofty, town       Hartland         stale       Vermont       code         2. Cleasification       Ownership of Property       Catagory of Property       Number of Resources within Property         private	historic name	Ottauqueche	ee River B	ridge		
street & number       US Route 5       N/A not for publication         city, town       Hartland       N/A lot for publication         code       VT       county Windsor       code 027       zj code 0501         3. Classification       Ownership of Property       Number of Resources within Property         public-local       district       mumber       buildings         public-local       district       site       site         public-federal       site       site       site       site         public-Federal       district       1       0       Total         Name of related multiple property listing:       Number of contributing resources previous       Itsed in the National Register -0         4. State/Federal Agency Certification       As the designated authority under the National Historic Preservation Act of 1966, as amended, I hereby certify that this         value       in mognitich, the forcefor improved and professional requirements set forth in 36 CFR Part 60         in my opinich, the forcefor improved and professional requirements set forth in 36 CFR Part 60         in my opinich, the forcefor improved improved and professional requirements set forth in 36 CFR Part 60         in my opinich, the forcefor improved improved and professional requirements set forth in 36 CFR Part 60         in my opinich, the forcefor improved imeet the National Register criteria.	other names/site number	US Route 5	Ottauquecl	nee River Br	idge	
street & number       US Route 5       N/A not for publication         city, town       Hartland       N/A lot for publication         3. Classification       Code VT       county Windsor       code 027       zj code 0501         3. Classification       Ownership of Property       Number of Resources within Property       Duble         public-local       district						
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Ownership of Property       Category of Property       Number of Resources within Property         Divide-local       Dublic-local       Dublic-local       Dublic-state	3 Classification					
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Name of related multiple property listing:       Number of contributing resources previouslight in the National Register					1	- <u> </u>
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4. State/Federal Agency Certification         As the designated authority under the National Historic Preservation Act of 1966, as amended, I hereby certify that this is nomination is request for determination of eligibility meets the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60 in m opinion, the property is meets idoes not meet the National Register criteria. See continuation sheet.         Signature of certifying official       Image: State or Federal agency and bureau         In my opinion, the property meets idoes not meet the National Register criteria. See continuation sheet.       Signature of commenting or other official         Signature of commenting or other official       Date         Signature of commenting or other official       Date         Signature of commenting or other official       Date         Signature of in the National Register.       See continuation sheet.         Signature of in the National Register.       See continuation sheet.         Signature of performing or other official       Date         State or Federal agency and bureau       State or Federal agency and bureau         State or Federal agency and bureau       Mattered 1n the segnate in the National Register.         See continuation sheet.       See continuation sheet.         See continuation sheet.       See continuation sheet.         determined eligible for the National Register. <t< th=""><td></td><td></td><td><u>te B</u>ridges</td><td>in Vermont</td><td></td><td></td></t<>			<u>te B</u> ridges	in Vermont		
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Image: State or Federal agency and bureau         Signature of continuation sheet.         See continuation sheet.         S	4. State/Federal Agency	Certification				
State or Federal agency and bureau         5. National Park Service Certification         I, hereby, certify that this property is:         I entered in the National Register.         I determined eligible for the National         Register.         I determined not eligible for the         National Register.         I determined not eligible for the         National Register.         I removed from the National Register.	Signature of certifying official State or Federal agency and b	bureau		ne National Regis	ter criteria. 🗌 See	Continuation sheet.
5. National Park Service Certification       Intered in the         I, hereby, certify that this property is:       Intered in the         I entered in the National Register.       National Register.         I determined eligible for the National       Image: See continuation sheet.         I determined not eligible for the       National Register.         I determined not eligible for the       Image: See continuation sheet.         I determined not eligible for the       Image: See continuation sheet.         I determined not eligible for the       Image: See continuation sheet.         I determined not eligible for the       Image: See continuation sheet.         I determined not eligible for the       Image: See continuation sheet.         I removed from the National Register.       Image: See continuation sheet.						Date
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Other, (explain:) Date of Action Date of Action		•		Signature of the	Keeper	Date of Action



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OMB No. 1024-0018

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Historic Functions (enter categories from instructions)	Current Functions (enter categories from instructions) Transportation/Road-related		
Transportation/Road-related			
7. Description			
Architectural Classification (enter categories from instructions)	Materials (enter categories from instructions)		
	foundation <u>concrete</u>		
Other: Warren deck truss bridge	walls		
	roof		
	other <u>stee1</u>		

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Describe present and historic physical appearance.

See continuation sheet for description.

X See continuation sheet

### National Register of Historic Places Continuation Sheet

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The U.S. 5 Ottauquechee River Bridge is located in a dense woodland section of rural southwestern Vermont. A four-span steel Warren deck truss, it is 274 feet long and was built about 1930 by the state highway department as part of massive bridge rebuilding program following the 1927 flood, one of Vermont's worst natural disasters. This curved vehicular bridge carries U.S. 5 traffic over the Ottauquechee River in Hartland in southwestern Windsor County west of Interstate 91 and the New Hampshire border. U.S. 5 was a primary north/south route before the interstate was built. The bridge is an excellent example of an early auto age highway structure that has not been altered and one which maintains its integrity of design, workmanship and setting.

The main span is a riveted metal truss which runs 120 feet on the southernmost part of the bridge. The main span of the bridge, which is 34 feet above the river, has seven truss panels each 23.6 feet wide and 20 feet deep. The truss span also has full depth crosed angle sway bracing, angle top and bottom crossbracing, a lattice girder and bottom struts. The upper chord of the span is a box girder with latticed top and bottom. The lower chord has paired channels with stay plates spaced 3 feet apart with vertical and diagonal I-beams. The floor system consists of rolled I-section floor beams, a concrete slab floor and curb without stringers. The approach spans are supported by five 11" x 30" I-beams.

The bridge is distinguished by a guard rail on T-section stanchions with its system of angles and channels which is decorated with latticework on the upper railing. The bridge features inclined end panels and poured concete abutments. The piers have a rusticated effect and rounded ends, while the north pier between I-beam spans is marked by an arched opening.

8. Statement of Significance	<b>5</b> .	
Certifying official has considered the significance of this pro	perty in relation to other properties:	
Applicable National Register Criteria	<b>D</b>	
Criteria Considerations (Exceptions)	D DE F G	
Areas of Significance (enter categories from instructions) Engineering Transportation	Period of Significance c.1930	Significant Dates 
	Cultural Affiliation N/A	
Significant Person N/A	Architect/Builder Unknown	

State significance of property, and justify criteria, criteria considerations, and areas and periods of significance noted above.

See continuation sheet for statement of significance.

X See continuation sheet

Hartland, Vermont. Vermont Historic Sites and Structures Survey, Survey Number 1409-32. Vermont Division for Historic Preservation, Montpelier, Vermont.

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Previous documentation on file (NPS): preliminary determination of individual listing (36 CFR 67) has been requested previously listed in the National Register	See continuation sheet Primary location of additional data: State historic preservation office Other State agency				
previously determined eligible by the National Register	Federal agency				
designated a National Historic Landmark	Local government				
recorded by Historic American Buildings	University				
	Other				
recorded by Historic American Engineering Record #	Specify repository:				
Hecolo #					
10. Geographical Data					
Acreage of property <u>Less than one acre</u>					
UTM References         A [1.8]       [7]1.3[5.0.0]       [4.8]3.0[9.0.0]       B         Zone       Easting       Northing       Z         C         D	Zone Easting Northing				
	See continuation sheet				
Verbal Boundary Description					
The boundary for this property is the bridge and its abutments. The bridge carries US Route 5 across the Ottauquechee River in the town of Hartland at the UTM reference point: 18/713500/4830900. It is 274' in length and 23.6' in width.					
	See continuation sheet				
Boundary Justification					
This boundary includes all the land historically associated with this bridge.					
	See continuation sheet				
11. Form Prepared By					
name/title Amy Worden					
organizationUVM Historic Preservation Program	dateMay 5, 1990				
street & number House	telephone (802) 656-3180				
city or town <u>Burlington</u>	state <u>Vermont</u> zip code <u>05405</u>				

# National Register of Historic Places Continuation Sheet

Section number 8 Page 1

The U.S. 5 bridge over the Ottauquenchee River represents an important era in bridge building and in the history of Vermont. As one of 1,600 bridges built following the devastating 1927 flood, the U.S. 5 structure uses standardized design and economical constructon vital to the large scale bridge building effort launched in the state after the flood. The bridge is one of only 4 Warren deck trusses built in the state betweem 1928 and 1930. The Warren truss was, along with the Pratt truss, the most popular bridge type in the country during the period between 1850 and 1925. Its simple form, a series of equilateral triangles where the diagonals carry both the tensile and compressive strength, is still being used in bridge construction today. An identical truss is located in Bethel over the third branch of the White River.

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As part of a multiple property submission, this bridge is being nominated under the historic context "Metal Truss, Masonry, and Concrete Bridges in Vermont." The property type is metal truss bridges. This bridge clearly meets the registration requirements for this property type. It is one of the best preserved examples of the few remaining Warren deck trusses in the state and retains its original members and structural integrity.

The deck truss was popular for longer spans with certain natural elevations because it minimized building expenses by requiring lower piers and abutments than other truss types. Its design uses the now standardized riveted construction and concrete flooring as well as rolled I-beams rather than built up members, which expedited the building process.

The bridge also relates well with its rural environment. Because the truss runs underneath the floor of bridge, it appears to be simply an extension of the two-lane roadway over the river. The bridge's gently curving approach and modest decorated railing retains the feel of a early 20th-century rural auto bridge. The site is also important for its educational value. Just east of the bridge on the river's north bank, are the remains of an earlier bridge abutment, which provides an interesting contrast to the modern bridge building techniques exhibited in the truss, and is testament to the flood's devastation.

# National Register of Historic Places Continuation Sheet

Section number \_\_\_\_\_ Page \_\_\_\_\_

PROPERTY OWNER

State of Vermont Agency of Transportation Montpelier, VT 05602

Attn: William Sargent