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United States Department of the Interior
National Park Service

National Register of Historic Places
Registration Form

This form is for use in nominating or requesting determinations for individual properties and districts. See instructions in *How to Complete the National Register of Historic Places Registration Form* (National Register Bulletin 16A). Complete each item by marking "x" in the appropriate box or by entering the information requested. If an item does not apply to the property being documented, enter "N/A" for "not applicable." For functions, architectural classification, materials, and areas of significance, enter only categories and subcategories from the instructions. Place additional entries and narrative items on continuation sheets (NPS Form 10-900a). Use a typewriter, word processor, or computer, to complete all items.

1. Name of Property

historic name South Newfane Bridge

other names/site number _____

2. Location

street & number TH 26 (Parish Road) N/A not for publication

city or town Newfane N/A vicinity

state Vermont code VT county Windham code 025 zip code 05351

3. State/Federal Agency Certification

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this nomination 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 my opinion, the property meets does not meet the National Register criteria. I recommend that this property be considered significant nationally statewide locally. (See continuation sheet for additional comments.)

[Signature] Dep. Secy 7/30/92
Signature of certifying official/Title Date

State of Federal agency and bureau _____

In my opinion, the property meets does not meet the National Register criteria. (See continuation sheet for additional comments.)

Signature of certifying official/Title Date

State or Federal agency and bureau _____

4. National Park Service Certification

I hereby certify that the property is:

- entered in the National Register.
 - See continuation sheet.
- determined eligible for the National Register
 - See continuation sheet.
- determined not eligible for the National Register.
- removed from the National Register.
- other, (explain:)

Signature of the Keeper

[Signature]

George W. [unclear]
[unclear]

Date of Action

9/8/92

South Newfane Bridge
Name of Property

Windham County, Vermont
County and State

5. Classification

Ownership of Property
(Check as many boxes as apply)

- private
- public-local
- public-State
- public-Federal

Category of Property
(Check only one box)

- building(s)
- district
- site
- structure
- object

Number of Resources within Property
(Do not include previously listed resources in the count.)

Contributing	Noncontributing	
_____	_____	buildings
_____	_____	sites
1	_____	structures
_____	_____	objects
1	_____	Total

Name of related multiple property listing
(Enter "N/A" if property is not part of a multiple property listing.)

Number of contributing resources previously listed in the National Register

Metal Truss, Masonry, and Concrete Bridges in Vermont 0

6. Function or Use

Historic Functions
(Enter categories from instructions)

Transportation/Road Related (Vehicular)

Current Functions
(Enter categories from instructions)

Transportation/Road Related (Vehicular)

7. Description

Architectural Classification
(Enter categories from instructions)

Other: Pratt Through-Truss Bridge

Materials
(Enter categories from instructions)

foundation Stone

walls _____

roof _____

other Steel

Narrative Description

(Describe the historic and current condition of the property on one or more continuation sheets.)

8. Statement of Significance

Applicable National Register Criteria

(Mark "x" in one or more boxes for the criteria qualifying the property for National Register listing.)

- A** Property is associated with events that have made a significant contribution to the broad patterns of our history.
- B** Property is associated with the lives of persons significant in our past.
- C** Property embodies the distinctive characteristics of a type, period, or method of construction or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components lack individual distinction.
- D** Property has yielded, or is likely to yield, information important in prehistory or history.

Criteria Considerations

(Mark "x" in all the boxes that apply.)

Property is:

- A** owned by a religious institution or used for religious purposes.
- B** removed from its original location.
- C** a birthplace or grave.
- D** a cemetery.
- E** a reconstructed building, object, or structure.
- F** a commemorative property.
- G** less than 50 years of age or achieved significance within the past 50 years.

Areas of Significance

(Enter categories from instructions)

Transportation

Engineering

Period of Significance

1939

Significant Dates

1939

Significant Person

(Complete if Criterion B is marked above)

N/A

Cultural Affiliation

N/A

Architect/Builder

Unknown

Narrative Statement of Significance

(Explain the significance of the property on one or more continuation sheets.)

9. Major Bibliographical References

Bibliography

(Cite the books, articles, and other sources used in preparing this form on one or more continuation sheets.)

Previous documentation on file (NPS):

- preliminary determination of individual listing (36 CFR 67) has been requested
- previously listed in the National Register
- previously determined eligible by the National Register
- designated a National Historic Landmark
- recorded by Historic American Buildings Survey # _____
- recorded by Historic American Engineering Record # _____

Primary location of additional data:

- State Historic Preservation Office
- Other State agency
- Federal agency
- Local government
- University
- Other

Name of repository:

State of Vermont Agency of Transportation

South Newfane Bridge
Name of Property

Windham County, Vermont
County and State

10. Geographical Data

Acreage of Property Less than one acre.

UTM References

(Place additional UTM references on a continuation sheet.)

1	118	687250	4756250
Zone	Easting	Northing	
2			

3			
Zone	Easting	Northing	
4			

See continuation sheet

Verbal Boundary Description

(Describe the boundaries of the property on a continuation sheet.)

Boundary Justification

(Explain why the boundaries were selected on a continuation sheet.)

11. Form Prepared By

name/title Helen Renee Viers, Graduate Student

organization Historic Preservation Program - UVM date 3/30/92

street & number Wheeler House telephone (802) 656-3180

city or town Burlington state Vermont zip code 05405

Additional Documentation

Submit the following items with the completed form:

Continuation Sheets

Maps

A USGS map (7.5 or 15 minute series) indicating the property's location.

A Sketch map for historic districts and properties having large acreage or numerous resources.

Photographs

Representative black and white photographs of the property.

Additional items

(Check with the SHPO or FPO for any additional items)

Property Owner

(Complete this item at the request of SHPO or FPO.)

name Town of Newfane

street & number Newfane Town Offices telephone _____

city or town Newfane state VT zip code 05351

Paperwork Reduction Act Statement: This information is being collected for applications to the National Register of Historic Places to nominate properties for listing or determine eligibility for listing, to list properties, and to amend existing listings. Response to this request is required to obtain a benefit in accordance with the National Historic Preservation Act, as amended (16 U.S.C. 470 et seq.).

Estimated Burden Statement: Public reporting burden for this form is estimated to average 18.1 hours per response including time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding this burden estimate or any aspect of this form to the Chief, Administrative Services Division, National Park Service, P.O. Box 37127, Washington, DC 20013-7127; and the Office of Management and Budget, Paperwork Reductions Projects (1024-0018), Washington, DC 20503.

**United States Department of the Interior
National Park Service**

**National Register of Historic Places
Continuation Sheet**

South Newfane Bridge
Newfane, Windham Co., Vermont

Section number 7 Page 1

Crossing the Rock River in the village of South Newfane on the outskirts of the town of Newfane, is a single span Pratt through truss bridge on concrete abutments. This bridge carries vehicular traffic for Town Highway 26 (Parish Road) on a north/south orientation. Built in 1939, the six panel steel bridge is 149' long by 13.8' wide with a portal clearance of 15' and consists mainly of bolted I-beams. Situated in a residential area, the bridge continues to be used today, although a privately built bypass to the north deflects a portion of the traffic. The bridge retains its integrity of location, design, setting, materials, feeling, workmanship, and association.

Typical of the bridges built after Vermont's disastrous 1927 flood, the six panel South Newfane Bridge is a Pratt through truss consisting of inclined end panels, top chords of box girders with latticed undersides, girders 15" deep by 8" wide, and I-beam vertical diagonals, horizontal stiffeners, and counter diagonals. The top bracing uses I-beam struts along with angle-section sway-bracing. The portal bracing has two I-beam diagonals running from the upper corners to the center of a lower strut. The bottom chord of paired channels, constructed with paired channels joined by stay plates 4' apart, on both the top and bottom, is capped by a floor system of rolled I-section floor beams, five I-beam stringers, and T-section bottom cross-bracing, which supports a wooden floor of 2x4's and treads. A two-rail guardrail built up of angles and channels, bolted to the trusses, runs the length of the bridge.

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Continuation Sheet

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South Newfane Bridge
Newfane, Windham Co., Vermont

Section number _____ Page _____

The South Newfane bridge is eligible for the National Register under criteria A and C. It is being nominated as part of the Vermont Multiple Property Documentation submission for "Metal Truss, Masonry and Concrete Bridges in Vermont." The bridge meets the registration requirements for the property type metal truss bridge. This through truss bridge, built after a flood in 1939, is a good representative of the new bridge technology perfected after Vermont's devastating flood of 1927.

Newfane and the surrounding areas experienced a flood on September 28, 1939. The "most damage (was) done in South Newfane . . . where the river's banks are low, as the stream passes through the flats on which the village is located." The flood destroyed the Rock River bridge. Vermont towns, including Newfane, had gained experience dealing with flood damage in the years following the flood of 1927 and knew how to repair and replace bridges with the truss technology. The villagers of South Newfane chose to replace the old bridge and paid M.J. Burrington \$518.55 for riveting the South Newfane bridge and C.E. Flander \$154.90 for six I-Beams.² Money came from many sources, including Works Progress Administration funds, town taxes, and state aid. This tri-partite funding illustrates how bridge building, after the 1927 flood, became the responsibility of the state.

Because it reflects the history of transportation in Vermont, the South Newfane through-truss Pratt bridge is eligible under Criteria A. The metal truss bridge design illustrates the cost effectiveness of the new technology and the adoption of this technology by local communities in Vermont. The South Newfane Pratt through-truss bridge is eligible under Criteria C because the bridge represents technological advancements in bridge building in the early 20th century. The Pratt through-truss, a common bridge design in the latter half of the nineteenth century, eventually used larger components of prefabricated I-beams instead of several shorter members to save on transportation costs. The South Newfane example uses rolled I-beams for nearly all its members to reduce the fabrication expense at some penalty in weight. The installment of rolled I-beams meant that the bridge could be constructed in shorter periods of time and offered greater assurance of success and stability.

United States Department of the Interior
National Park Service

**National Register of Historic Places
Continuation Sheet**

South Newfane Bridge
Newfane, Windham Co., Vermont

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Section number _____ Page _____

Endnotes:

¹Robert C. Kain, A NewFane in the Second Century, 1774-1974, (Newfane, Vt.: Bicentennial Committee, 1974): 55.

²Eightieth Annual Report of the Auditors of the Town of Newfane, Vermont for the Year Ending Jan. 31, 1939, (Brattleboro, Vt.: Press of E.L. Hildreth and Co., 1939): 10.

9. Bibliography

Eightieth Annual Report of the Auditors of the Town of Newfane, Vermont for the Year Ending Jan. 31, 1939, (Brattleboro, Vt.: Press of E.L. Hildreth and Co., 1939).

Kain, Robert C. A NewFane in the Second Century, 1774-1974. Newfane, Vt.: Bicentennial Committee, 1974.

Vermont Division for Historic Preservation. Historic Sites and Structures Survey, Newfane. Montpelier, Vermont.

10. Boundary Description and Justification

The boundary for this property is the bridge and its abutments. The bridge crosses the Rock River in Newfane and is located at the UTM Reference Point: 18/687250/4756250.

The boundary is the land historically associated with the bridge.