

Survey Number: T-33

Bridge Name and Address: Quaker Bridge
L.R. 43135 over Little Sheango
River
Mercer County

Owner: Commonwealth of Pennsylvania
Department of Transportation
Transportation & Safety Building
Harrisburg, Pennsylvania 17120

Statement of Significance: Quaker Bridge is a typical example
of a Pratt through truss bridge.
It was built in 1898 by the
Cleveland Bridge Company. As a
well preserved representative of a
bridge type used frequently in
northwestern Pennsylvania, this
bridge warrants listing on the
National Register.

Area of Significance: Engineering.

Boundary Description: The nominated property consists
of a 160 feet long by 25 feet
wide rectangle whose vertices
coincide with the outside corners
of the bridge's wing walls, and
includes only bridge superstructure
and substructure.

Acreage of Nominated
Property: Less than one acre.

MAY 10 1988

PENNSYLVANIA HISTORIC RESOURCE SURVEY FORM

Bureau for Historic Preservation
PA Historical & Museum CommissionBox 1026
Harrisburg, PA 17120

9. HISTORICAL DATA

8. USGS QUAD. Greenville East

UTM's: Zone 17

E 5 5 2 4 0 0

N 4 5 8 6 0 0 0

E

N

Designer/Engineer:

Unknown

Builder/Contractor:

J. R. Gemmell

Bridge Company:

Unknown

Date(s): 1898; basis Form #488A

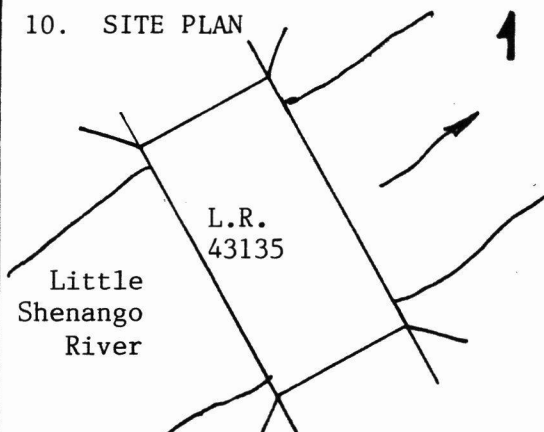
1898; basis Bridge Plaque

1884; basis Bridge Plaque for
Cleveland Bridge Co.

; basis

Use: Vehicular present; Vehicular original.

10. SITE PLAN



11. INTEGRITY

altered;

☒ unaltered;

moved;

Explain:

12. VIEW

no.

PHOTO

13. COMMENTS

Unusual features:

Open grated metal deck

Locale/environment:

Rural

Machinery (describe/identify type/
equipment):

14. DIMENSIONS

spans: 1 no., 124 ft. O/A

main: no., ft.

secondary: no., ft.

approach: no., ft.

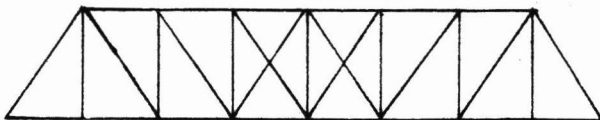
piers: no.

towers: no., ft.

1. County	2. Municipality	3. Structure No.	4. Survey Code
Merger	Hempfield Twp.	43135	01-310
5. Present Name	6. Other name (historic name if any)	7. Crossing	8. River
Quaker Bridge	N/A	L.R. 43135	over Lt. Shenango River
			T-33

15. TYPE

CHARACTERISTICS

☒ Truss: continuous/cantilever:☐ Arch: masonry/metal:☐ Suspension:☐ Bascule:☐ Swing:☐ Vertical Lift:☐ Other:

☒ webbing: Pratt
☐ anchor span: _____
☐ cantilever span: _____
☐ suspended span: _____
☒ thru/deck/low (pony): full-slope/half-hip.
☒ connections: pin/riveted.
☒ eyebars: loop welded/die forged. both
☒ railing: Diamond
☒ columns: Angles & Channels

☐ thru/deck/1/2-thru.
☐ fixed (hingeless) /1/2/3-hinged.
☐ ribs: solid/braced; crescent/parallel.
☐ spandrels: open/solid/braced.
☐ intrados/vault; ribbed/solid.
☐ shape: semi-circular/elliptical/segmental; stilted.
☐ skew

☐ stiffening: braced-chain (1/2/3-hinged) /suspended
truss.
☐ wire cable: twisted/parallel.
☐ eyebar chain.
☐ back-stay: straight/curved.

☐ single/double leaf.
☐ rolling lift: Schertzer.
☐ trunnion: simple (Chicago) /multiple (Strauss).
☐ counterweights: heel/overhead.
☐ Page/Rail.
☐ semi-lift/direct lift.

☐ bearing: center/rim/combination.
☐ (see Truss above).

☐ (see Truss above).☐ other: _____

16. MATERIALS (primary)

Superstructure	type	treatment/finish	source
main span:	<u>Steel</u>	<u>Paint</u>	<u>Carnegie, USA</u>
towers:	<u>Steel</u>	_____	_____
railings:	<u>Steel</u>	_____	_____
Substructure			
piers:	_____	_____	_____
abutments:	<u>Stone</u>	<u>Masonry</u>	_____
wings:	<u>Stone</u>	<u>Masonry</u>	_____
intrados/ribs:	_____	_____	_____
voussoirs:	_____	_____	_____

17. PHOTO NO's.

01-10 (11-16)

Roll #10,
5 exposures

18. PREPARED BY: D. W. Paskie

AGENCY/ORGANIZATION: PennDOT

; DATE: 8-2-82

United States Department of the Interior
National Park ServiceNational Register of Historic Places
Continuation Sheet

Section number _____ Page _____

Multiple Resource Area
Thematic GroupName Highway Bridges Owned by the Commonwealth of
Pennsylvania, Department of Transportation TR
State Adams County (and others), PA

Nomination/Type of Review

Date/Signature

111. Perkiomen Bridge

Entered in the
National RegisterKeeper Melons Byen 6/22/88

Attest _____

112. Pithole Stone Arch

Substantive Review

Keeper Linda McClelland 6/22/88

Attest _____

113. Pond Mill Bridge

Substantive Review

Keeper Linda McClelland 6/22/88

Attest _____

114. Quaker Bridge

Entered in the
National RegisterKeeper Melons Byen 6/22/88

Attest _____

115. Ridge Avenue Bridge in
PhiladelphiaEntered in the
National RegisterKeeper Melons Byen 6/22/88

Attest _____

116. S Bridge

Entered in the
National RegisterKeeper Melons Byen 6/22/88

Attest _____

117. Second Street Bridge

Substantive Review

Keeper Linda McClelland 6/22/88

Attest _____

118. Soldiers and Sailors Memorial
BridgeEntered in the
National RegisterKeeper Melons Byen 6/22/88

Attest _____

119. Sutch Road Bridge in Marlborough
TownshipEntered in the
National RegisterKeeper Melons Byen 6/22/88

Attest _____

120. Swamp Creek Road Bridge

Entered in the
National RegisterKeeper Melons Byen 6/22/88

Attest _____

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

Quaker Bridge (Highway Bridges Owned by the
Commonwealth of Pennsylvania, Department of
Transportation TR)
Mercer County
PENNSYLVANIA

MAY 10 1988

Working No. _____
Fed. Reg. Date: 2/7/89
Date Due: 6/9/88 6/24/88
Action: ☒ ACCEPT 6-22-88
☐ RETURN
☐ REJECT
Federal Agency: _____

Entered in the
National Register

- ☐ resubmission
☐ nomination by person or local government
☐ owner objection
☐ appeal

Substantive Review: ☐ sample ☐ request ☐ appeal ☐ NR decision

Reviewer's comments:

Recom./Criteria _____
Reviewer _____
Discipline _____
Date _____
_____ see continuation sheet

Nomination returned for: _____ technical corrections cited below
_____ substantive reasons discussed below

1. Name

2. Location

3. Classification

Category	Ownership	Status	Present Use
	Public Acquisition	Accessible	

4. Owner of Property

5. Location of Legal Description

6. Representation in Existing Surveys

Has this property been determined eligible? ☐ yes ☐ no

7. Description

Condition	Check one	Check one
<input type="checkbox"/> excellent	<input type="checkbox"/> deteriorated	<input type="checkbox"/> original site
<input type="checkbox"/> good	<input type="checkbox"/> ruins	<input type="checkbox"/> moved date _____
<input type="checkbox"/> fair	<input type="checkbox"/> unexposed	

Describe the present and original (if known) physical appearance

- ☐ summary paragraph
☐ completeness
☐ clarity
☐ alterations/integrity
☐ dates
☐ boundary selection

8. Significance

Period Areas of Significance—Check and justify below

Specific dates Builder/Architect

Statement of Significance (*in one paragraph*)

- ☐ summary paragraph
- ☐ completeness
- ☐ clarity
- ☐ applicable criteria
- ☐ justification of areas checked
- ☐ relating significance to the resource
- ☐ context
- ☐ relationship of integrity to significance
- ☐ justification of exception
- ☐ other

9. Major Bibliographical References

10. Geographical Data

Acreage of nominated property _____

Quadrangle name _____

UTM References

Verbal boundary description and justification

11. Form Prepared By

12. State Historic Preservation Officer Certification

The evaluated significance of this property within the state is:

_____ national _____ state _____ local

State Historic Preservation Officer signature

title

date

13. Other

- ☐ Maps
- ☐ Photographs
- ☐ Other

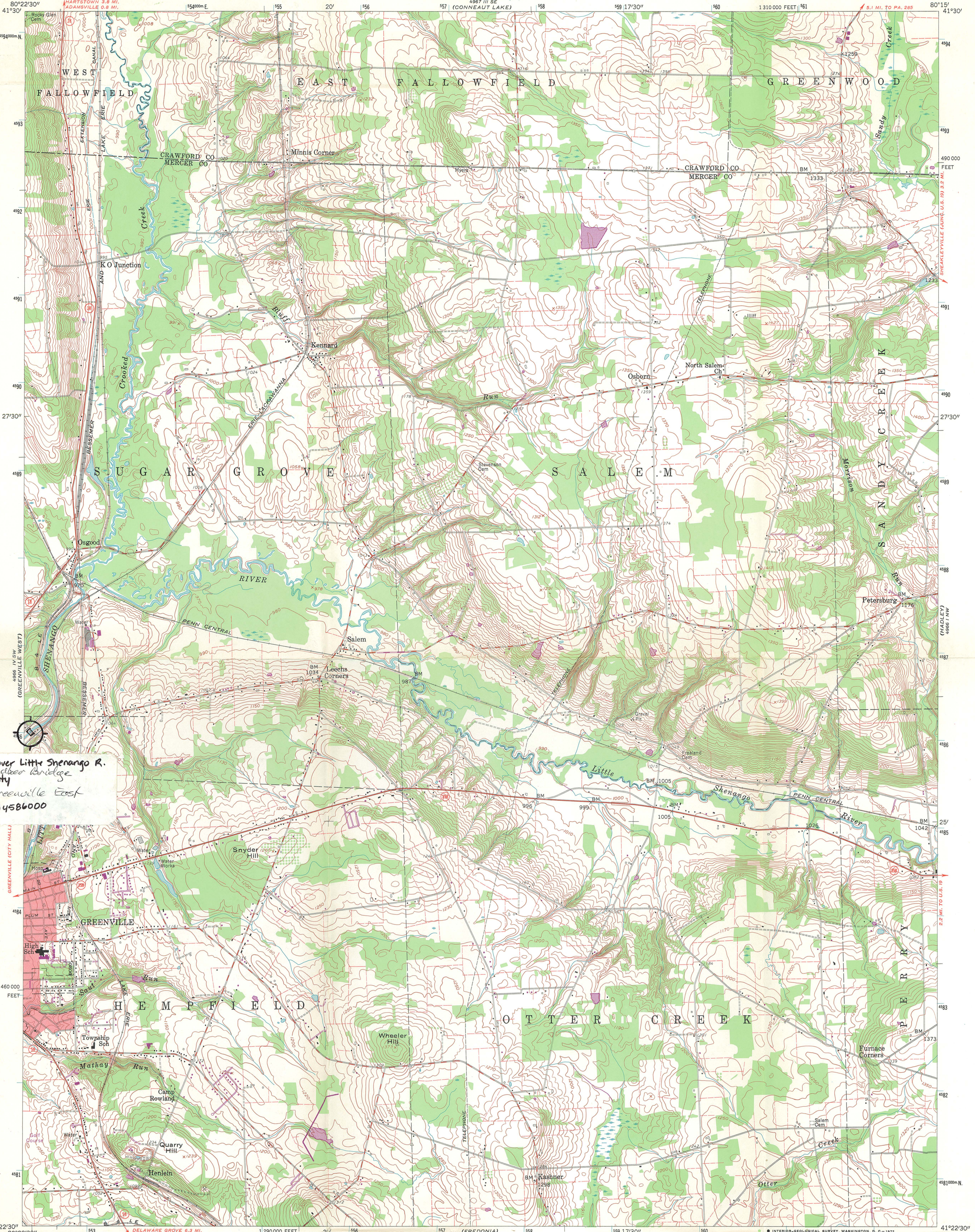
Questions concerning this nomination may be directed to _____

Signed _____ Date _____ Phone: _____

Comments for any item may be continued on an attached sheet



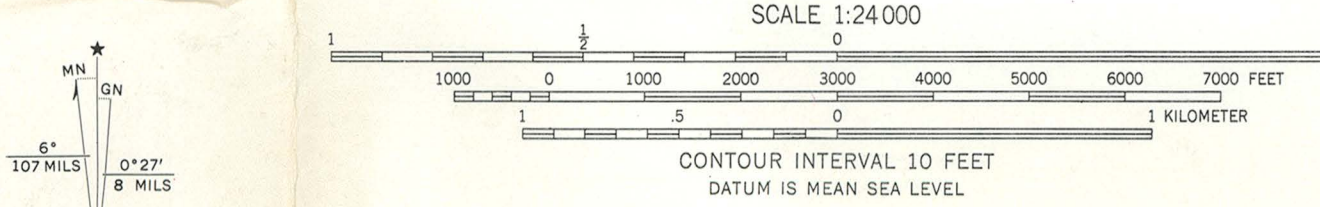
1. Name of Nomination: Highway Bridges Owned by the Commonwealth of Pennsylvania,
Department of Transportation
2. Name of Structure: Quaker Bridge
3. County: Mercer County
4. Photo Date: 1982
5. Photo Credit: Pennsylvania Department of Transportation
6. Negative Location: Pennsylvania Department of Transportation
7. Photo View: Portal view
8. Photo Number: T-33



L.R. 43135 over Little Shenango R.
Merter County
Zone 17 - Greenville East
E552400 N4586000

Pennsylvania D.O.T. Owned Highway Bridges
Quaker Bridge
T-33

Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and Pennsylvania Geodetic Survey
Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1955 and 1957. Field check 1958
Polyconic projection. 1927 North American datum
10,000-foot grid based on Pennsylvania coordinate system,
north zone
1000-meter Universal Transverse Mercator grid ticks,
zone 17, shown in blue
Fine red dashed lines indicate selected fence and field lines
visible on aerial photographs. This information is unchecked
Red tint indicates area in which only landmark buildings are shown
Unchecked elevations are shown in brown



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION
Heavy-duty ——— Light-duty ———
Medium-duty ——— Unimproved dirt ———
U.S. Route ——— State Route ———
GREENVILLE EAST, PA.
N4122.5—W8015/7.5
1958
PHOTOREVISED 1970
AMS 4966 IV NE—SERIES V831