

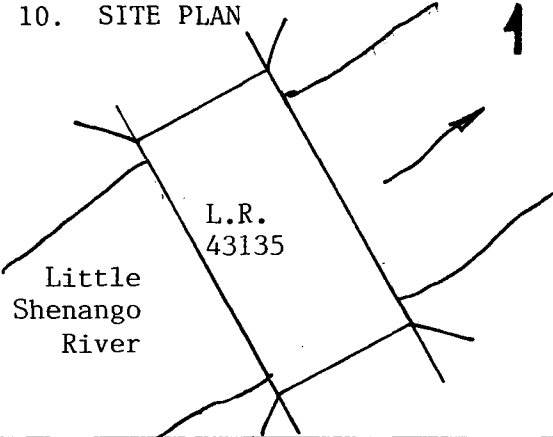
9. HISTORICAL DATA

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. Gemell
 Bridge Company:
 Unknown

10. SITE PLAN



Date(s): 1898 ; basis Form #488A
 1898 ; basis Bridge Plaque
 1884 ; basis Bridge Plaque for Cleveland Bridge Co.
 ; basis
 Use: Vehicular present; Vehicular original.

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):

N/A

14. DIMENSIONS

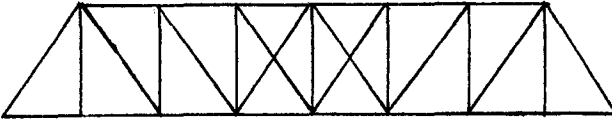
spans: 1 no., 124 ft. O/A
 main: no., ft.
 secondary: no., ft.
 approach: no., ft.
 piers: no.
 towers: no., ft.

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

15. TYPE

CHARACTERISTICS

Truss: continuous/cantilever:



- 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

Arch: masonry/metal:

- 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

Suspension:

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

Bascule:

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

Swing:

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

Vertical Lift:

- (see Truss above).

Other:

- 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.

Roll #10,
5 exposures

01-10 (11-16)

18. PREPARED BY: D. W. Paskie

AGENCY/ORGANIZATION: PennDOT

; DATE: 8-2-82

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.

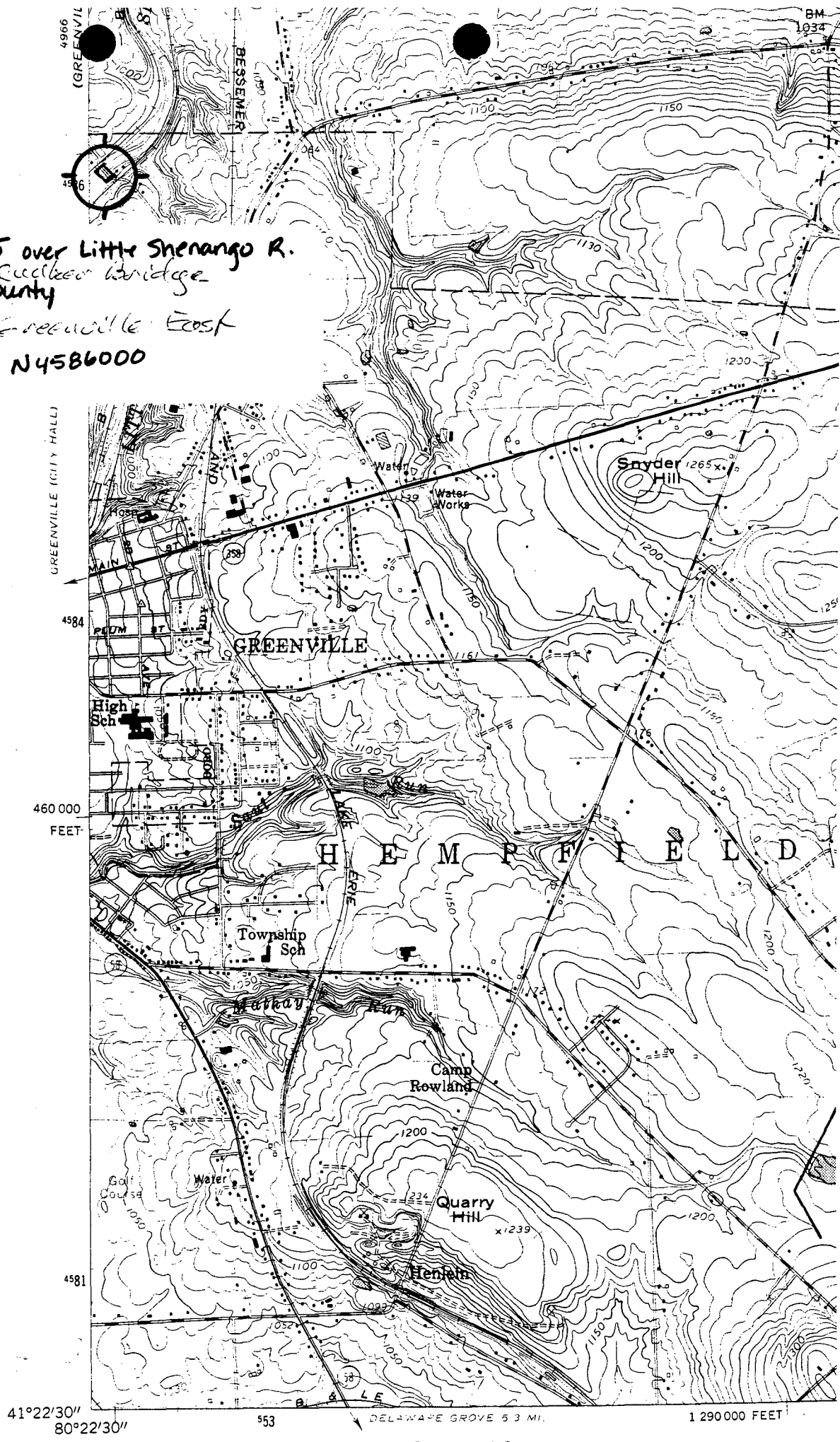
Boundary Description: The nominated property consists
of a 160 feet long by 25 feet
wide rectangle whose vertices
coincide with the outside corners
of the bridge's wing walls, and
includes only bridge superstructure
and substructure.

Acreage of Nominated
Property: Less than one acre.

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

T-33

L.R 43135 over Little Shenango R.
T-33 Quaker Bridge
Mercer County
Zone 17 - Greenville East
E552400 N4586000



41°22'30" 80°22'30" 553 DELAWARE GROVE 53 MI. 1 290 000 FEET