

LR 15017 over white clay loess
 Bridge in New Garden Twp T-8
 Chester County
 Zone 18 - West Green Road
 E 433900 N 4403150

HOCKESSIN, DEL. 12 M
 WILMINGTON, DEL. 14 M

4405

47'30"

4404

BM 379

370

4403

4402

4401000m N.
 640 000 FEET
 (DEL.)

DISTRICT

NO 8

39°45'

75°45'

432 47'30"

433 400 000 FEET (DEL.)

INTERIOR GEOLOGICAL SURVEY, RESTON, VIRGINIA-1974
 STRIPKAP 1:250,000 2 MI. 435000m E.

Pennsylvania D.O.T. Road Highway Bridges

Bridge in New Garden Twp.

T-8

ROAD CLASSIFICATION

NEWARK
 5863

9. HISTORICAL DATA

1. County
Chester

5. Present Name
Bridge In New Garden Township

2. Municipality
New Garden Township

6. Other name (historic name if any)
N/A

3. Structure No.
1152100017100352117

7. Crossing
Landenberg Road over White Clay Creek

4. Survey Code
310 T-8

8. USGS QUAD. West Grove

UTM's: Zone 18

E	4	3	3	9	0	0
N	4	4	0	3	1	5
E						
N						

Designer/Engineer: Unknown

Builder/Contractor:
Schuylkill Bridge Works, Phoenixville

Bridge Company:
Steel from Phoenix Steel (from field)

Date(s): 1871; basis Form 488A

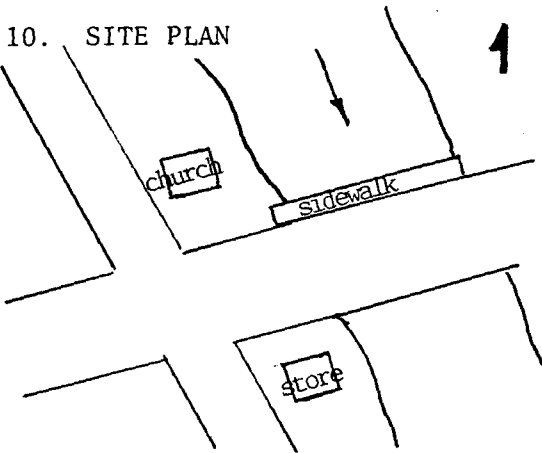
_____ ; basis

_____ ; basis

_____ ; basis

Use: Vehicular present; Vehicular original.

10. SITE PLAN



11. INTEGRITY

___ altered; _____
 ___unaltered; _____
 ___ moved; _____

Explain:

12. VIEW

no.

PHOTO

13. COMMENTS

Unusual features:
 Sidewalk cant. on north side
 Timber deck with macadam

Locale/environment:
 Inpicturesque village of Landenberg

Machinery (describe/identify type/equipment):

N/A

14. DIMENSIONS

spans: ___ no., ___ ft. O/A
 main: 1 no., 76.5 ft.
 secondary: ___ no., ___ ft.
 approach: ___ no., ___ ft.
 piers: ___ no.
 towers: ___ no., ___ ft.

15. TYPE

CHARACTERISTICS

Truss: continuous/cantilever:

- webbing: lattice
- anchor span: _____
- cantilever span: _____
- suspended span: _____
- thru/deck/low (pony): full-slope/half-hip.
- connections: pin/riveted, both
- eyebars: loop welded/die forged.
- railing: angle steel with lattice
- columns: angle steel

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>metal</u>	_____	<u>Phoenix</u>
towers:	_____	_____	_____
railings:	<u>metal</u>	_____	_____
Substructure			
piers:	_____	_____	_____
abutments:	<u>masonry</u>	<u>random</u>	_____
wings:	<u>masonry</u>	<u>random</u>	_____
intrados/ribs:	_____	_____	_____
voussoirs:	_____	_____	_____

17. PHOTO NO's.
06-41 (8-15)

18. PREPARED BY:
AGENCY/ORGANIZATION: Dist. 6-0
; DATE: 11/10/82

Survey Number: T-8

Bridge Name and Address: Bridge in New Garden Township
L.R. 15017 over White Clay Creek
Chester County

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

Statement of Significance: The bridge in New Garden Township is a representative example of a Pratt pony truss of moderate span length. Built about 1871 by the Schuylkill Bridge Works, this bridge is thought to be the earliest truss bridge included in this nomination. Its members are pin-connected and a sidewalk is cantilevered and separated from traffic by a simple lattice railing. In addition to being the earliest, this bridge is unusual in being one of only four bridges nominated in southeastern Pennsylvania. Most metal truss bridges, including Pratt trusses, were erected in north central, northwestern and southwestern Pennsylvania.

Area of Significance: Engineering.

Boundary Description: The nominated property consists of a 80 feet long by 30 feet wide rectangle whose vertices coincide with the outside corners of the bridge's wing walls, and includes only superstructure and substructure.

Acreage of Nominated Property: Less than one acre.