

Survey Number: T-28

Bridge Name and Address: Bridge in Porter Township
L.R. 41017 over Pine Creek
Lycoming County

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

Statement of Significance: The Bridge in Porter Township is an intact example of an unusual truss type. Like the Waterville Bridge, this lenticular truss was constructed by the Berlin Iron Bridge Company of East Berlin, Connecticut. Built in 1889, this single span bridge is one of three lenticular trusses included in this nomination. The lenticular truss derives its name from the lens-like shape of its curved upper and lower chords. Measuring 287 feet, this truss is considerably longer than the Waterville Bridge. It is similar in member configuration, and also features decorative portals.

Area of Significance: Engineering.

Boundary Description: The nominated property consists of a 327 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 HISTORIC RESOURCE SURVEY FORM
 Bureau for Historic Preservation
 PA Historical & Museum Commission

Box 1026
 Harrisburg, PA 17120

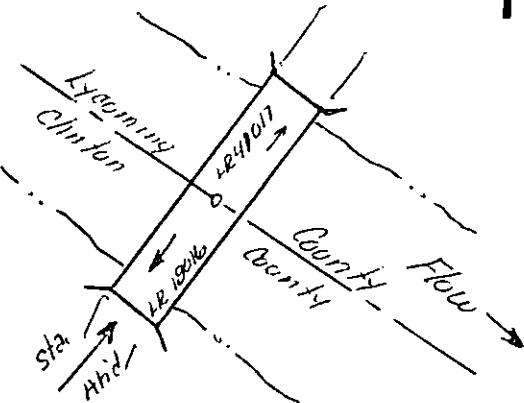
9. HISTORICAL DATA

8/ USGS QUAD. Jersey Shore
 UTM's: Zone
 E 3 0 8 6 7 0
 N 4 5 6 1 0 2 0
 E
 N

Designer/Engineer: -----
 Builder/Contractor: ~~Berlin Iron Bridge Company~~
 East Berlin, Conn.
 Bridge Company: Berlin Bridge Company

10. SITE PLAN

1



Date(s): 1889 ; basis inspection report

1889 basis plaque

_____ ; basis

_____ ; basis

Use: vehicular present; same original.

11. INTEGRITY

altered; 1964
 unaltered;
 moved;

Explain: open steel deck
 curb & guard rail

12. VIEW

no.



13. COMMENTS

Unusual features:
 Lenticular truss

Locale/environment: agricultural

Machinery (describe/identify type/
 equipment): none

14. DIMENSIONS

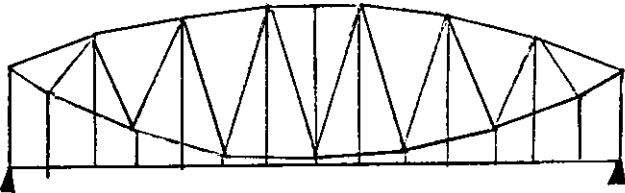
spans: 1 no., 287.31ft. O/A
 main: 1 no., 287.31ft. (327'
 secondary: _____ no., _____ ft. W 20'
 approach: _____ no., _____ ft.
 piers: _____ no.
 towers: _____ no., _____ ft.

1. County
 Lycoming 081
 2. Municipality
 Porter Twp.
 3. Structure No.
 [4][1][2][0][0][0][0][7][10][0][0][0][0][0]
 4. Survey Code
 030 - 310
 5. Present Name
 6. Other Name (Historic Name)
 7. Crossing I. R. 41017
 over Pine Creek

15. TYPE 10

CHARACTERISTICS 64

Truss: ~~continuous/cantilever~~



- webbing: lenticular truss
- ~~anchor span~~
- ~~cantilever span~~
- ~~suspended span~~
- thru/deck/low (pony): full-slope/half-hip.
- connections: pin/riveted.
- eyebars: loop welded/die forged.
- railing: guard rail
- columns: vert: 4 angles & lacing on 4 sides

Arch: masonry/metal:

- thru/deck/ $\frac{1}{2}$ -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 : 90°

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/Rail.
- semi-lift/direct lift.

Swing:

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

Vertical Lift:

- (see Truss above).

Other:

- other: _____

16. MATERIALS (primary)

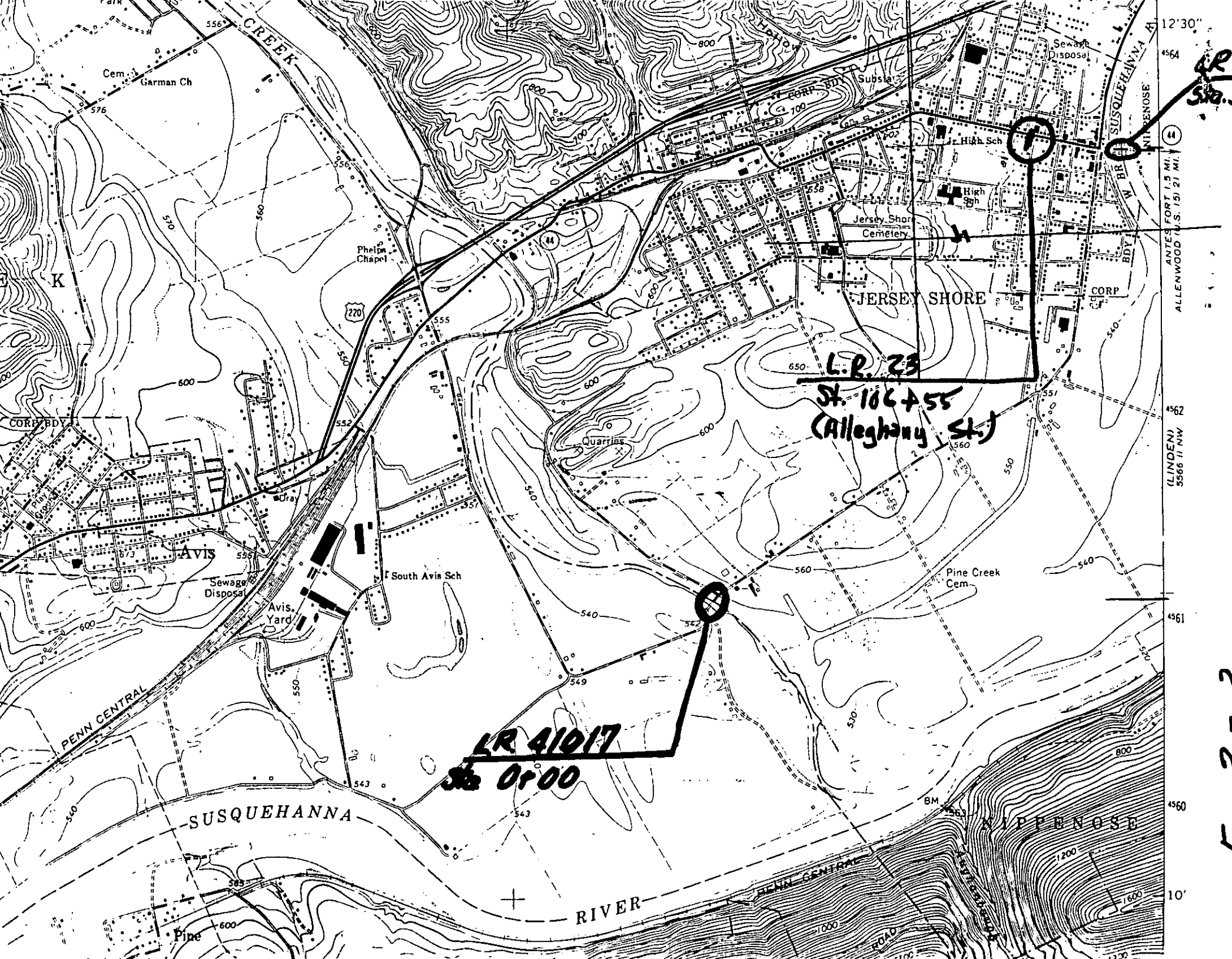
06, 09

14

Superstructure	type	treatment/finish	source
(main span:	<u>steel</u>	_____	_____
towers:	<u>----</u>	_____	_____
railings:	<u>steel</u>	_____	_____
Substructure			
piers:	<u>----</u>	_____	_____
abutments:	<u>concrete</u>	<u>scored joints</u>	_____
wings:	<u>concrete</u>	<u>scored joints</u>	_____
intrados/ribs:	<u>----</u>	_____	_____
voussiors:	<u>----</u>	_____	_____

17. PHOTO NO's. 03-10 (26-36)

18. PREPARED BY:
AGENCY/ORGANIZATION:
; DATE: Aug 1982



CREEK

SUSQUEHANNA

RIVER

L.R. 23
St. 106 + 55
(Allegheny St.)

LR 41017
St. 0r 00

JERSEY SHORE

AVIS

NIPPENOSE

Cem Garman Ch

Phelps Chapel

South Avis Sch

Pine Creek Cem

Jersey Shore Cemetery

Sewage Dispos

Sewage Dispos

Avis Yard

BM 563

12'30"

4564

ANTES FORT 1/3 MI.

ALLENWOOD (U.S. 19) 21 MI.

4562

(LINDEN)
5566 11 NW

4561

4560

10'

RR Sta.