

9. HISTORICAL DATA

8. USGS QUAD. ~~46~~ New Galilee

UTM's: Zone 17

E	5	4	2	8	7	0	
N	4	5	1	5	5	2	0
E							
N							

Designer/Engineer: Unknown

Builder/Contractor: Unknown

Bridge Company: West Penn Bridge Company
 of New Brighton, Pennsylvania

Date(s): Built-1878 basis Structure Inventory Record

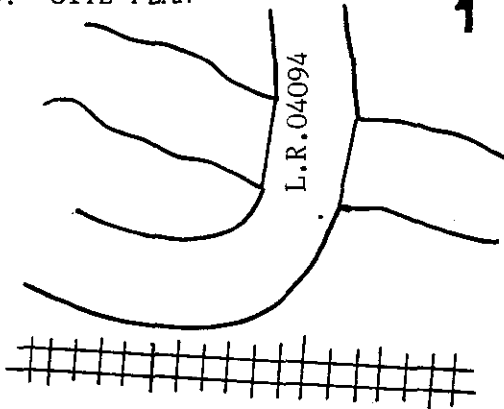
Reconstruction: 1976 basis Bridge Inspector's Report

_____ ; basis

_____ ; basis

Use: vehicular present; vehicular original.

10. SITE PLAN



11. INTEGRITY

Xaltered; open grid deck
 wood deck removed
 unaltered; _____
 moved; _____

Explain: Wood deck replaced with open grid; deck rivets replaced with bolts in places guardrail replaced wood curb

12. VIEW

no.

PHOTO

13. COMMENTS

Unusual features:

N/A

Locale/environment:

N/A

Machinery (describe/identify type/equipment):

14. DIMENSIONS

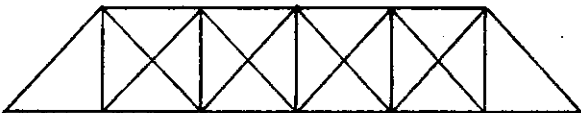
spans: 2 no., 109 ft. O/A
 main: 2 no., 48 ft.
 secondary: _____ no., _____ ft.
 approach: _____ no., _____ ft.
 piers: _____ no.
 towers: _____ no., _____ ft.

1. County Beaver	2. Municipality South Beaver	3. Structure No. 1042101019710101128301	4. Survey Code 11-400 T-4
5. Present Name Bridge in South Beaver Twp.	6. Other name (historic name if any) N/A	7. Crossing Watts Mill Road	over Little Beaver

15. TYPE

CHARACTERISTICS

Truss: continuous/cantilever:



- webbing: Sway bracing
- anchor span: _____
- cantilever span: _____
- suspended span: _____
- thru/deck/low (pony): full-slope/half-hip.
- connections: pin/riveted.
- eyebars: loop welded/die forged, both
- railing: guardrail
- columns: 2 chanel with cover plate

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: Steel

- other: Steel Pony Truss

16. MATERIALS (primary)

Superstructure	type	treatment/finish	source
main span:	<u>steel</u>	<u>open grid</u>	_____
towers:	_____	_____	_____
railings:	_____	_____	_____
Substructure			
piers:	<u>stone</u>	<u>broken face</u>	_____
abutments:	_____	_____	_____
wings:	_____	_____	_____
intrados/ribs:	_____	_____	_____
voussoirs:	_____	_____	_____

17. PHOTO NO's. 11-1 1,(1-6)

18. PREPARED BY: P.M.D
 AGENCY/ORGANIZATION: PennDOT 11-0
 ; DATE: 10/1/82

Survey Number: T-4

Bridge Name and Address: Bridge in South Beaver Township
L.R. 04097 over Little Beaver
Beaver County

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

Statement of Significance: The bridge in South Beaver Township is an unusually configured, pin-connected Pratt pony truss. Viewed from the roadway, this truss appears to be a typical Pratt pony truss. However, the single truss is supported by a pier in the center, and appears to function as a continuous, two-span bridge. Most pony trusses are "simply supported" spans, i.e., only each end of a single truss rests on a support. Thus, this bridge is typical in truss configuration but unusual in function and substructure configuration. Built about 1878 by the West Penn Bridge Company, it is one of seven Pratt pony trusses included in this nomination. The construction dates for these bridges range from 1871 to 1906 and they are located throughout the state.

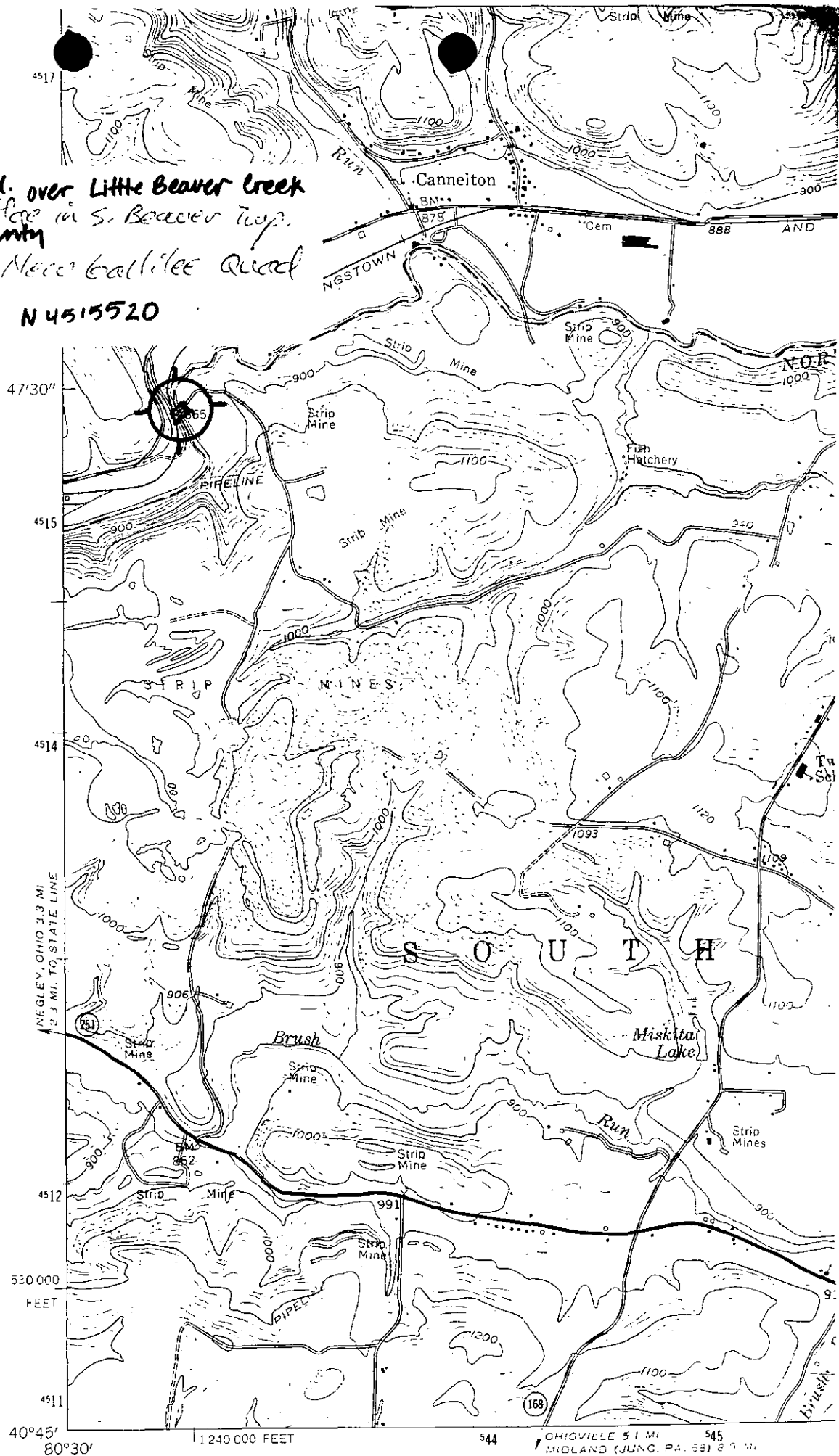
Area of Significance: Engineering.

Boundary Description: The nominated property consists of a 116 feet long by 25 feet wide rectangle whose vertices coincide with the outside corners of the bridge's piers, and includes only superstructure and substructure.

Acreage of Nominated Property: Less than one acre.

Pennsylvania D.O.T. Owned Highway Bridges
Bridge in South Beaver Twp.

Watts Mill Rd. over Little Beaver Creek
T-4 Bridge in S. Beaver Twp.
Beaver County
Zone 17 - Mercator/Gallitee Quad
E 542870 N 4515520



LINE
RPOOL

Mapped, edited, and published by the Geological Survey

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