

9. HISTORICAL DATA

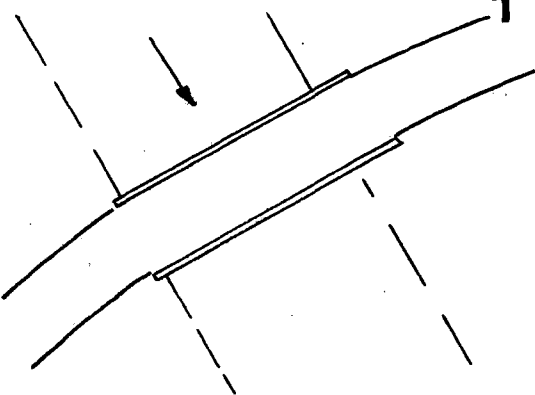
8. USGS QUAD. Lumberville

UTM's: Zone 18
 E 4 | 9 | 4 | 4 | 6 | 0
 N 4 | 4 | 7 | 4 | 5 | 4 | 0
 E
 N

Designer/Engineer: _____
 Unknown
 Builder/Contractor: _____
 Murray, Dougal & Co.
 Bridge Company: _____
 Unknown

Date(s): 1877 ; basis Bridge Plaque
 _____ ; basis
 _____ ; basis
 _____ ; basis
 Use: Vehicular present; Vehicular original.

10. SITE PLAN



11. INTEGRITY

Altered; _____
 unaltered; _____
 moved; _____

Explain:

Welded bracing on every other span

12. VIEW

no.

PHOTO

13. COMMENTS

Unusual features:

N/A

Locale/environment:

Rural, in small village, over canal

Machinery (describe/identify type/equipment):

N/A

14. DIMENSIONS

spans: _____ no., _____ ft. 0/A
 main: 1 no., 82 ft.
 secondary: _____ no., _____ ft.
 approach: _____ no., _____ ft.
 piers: _____ no.
 towers: _____ no., _____ ft.

1. County Bucks

2. Municipality Tincicum Twp.

3. Structure No. 0910092010032479

4. Survey Code 310 - T-6

5. Present Name Bridge in Tincicum Township

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

7. Crossing L.R. 920 over Pennsylvania Canal

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.
- railing: metal bar welded to structure
- columns: metal beams w/lattice bars

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>	_____	_____
towers:	_____	_____	_____
railings:	<u>steel</u>	_____	<u>Phoenix Iron Co.</u>
Substructure			
piers:	_____	_____	_____
abutments:	<u>masonry</u>	<u>Coursed</u>	_____
wings:	_____	_____	_____
intrados/ribs:	_____	_____	_____
voussoirs:	_____	_____	_____

17. PHOTO NO's. 06-11(16-12)

18. PREPARED BY:
 AGENCY/ORGANIZATION: Dist. 6-0
 ; DATE: 12/16/82

Survey Number: T-6

Bridge Name and Address: Bridge in Tinicum Township
L.R. 920 over Pennsylvania Canal
Bucks County

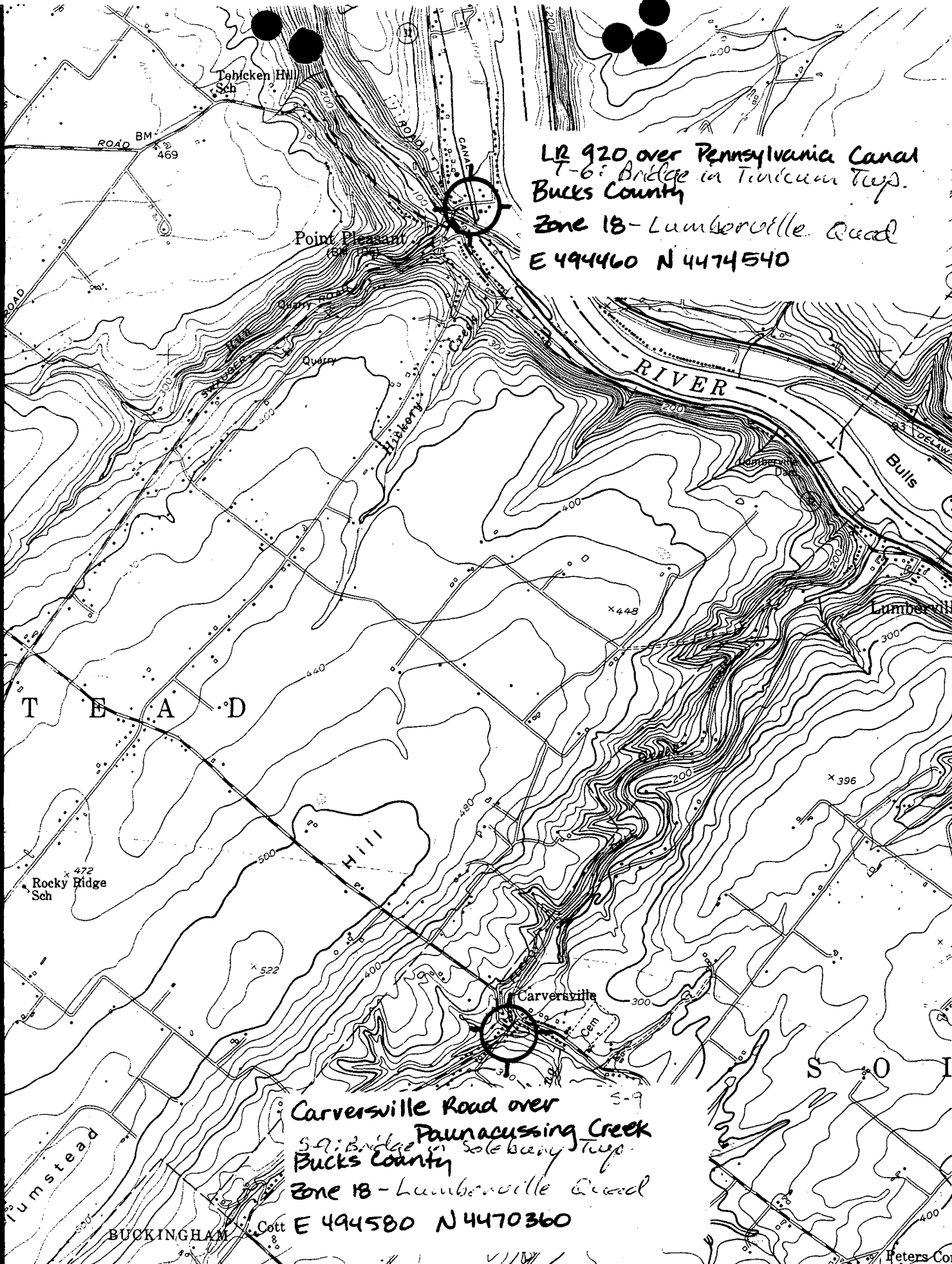
Owner: Commonwealth of Pennsylvania
Department of Transportation
Transportation & Safety Building
Harrisburg, Pennsylvania 17120

Statement of Significance: The bridge in Tinicum Township is a representative example of a pin-connected Pratt pony truss. A bridge plate on the top chord documents this bridge's construction in 1877 by Murray, Dougal & Company. Other decorative features include simple finials on the endposts. This bridge is one of seven Pratt pony trusses built between 1871 and 1906 included in this nomination. It is unusual among the nominated bridges in its location. Most metal truss bridges were erected in the north central northwestern and northeastern parts of the state, whereas this bridge is one of only four nominated bridges in the southeastern part of Pennsylvania.

Area of Significance: Engineering.

Boundary Description: The nominated property consists of a 132 feet long by 44 feet wide rectangle whose vertices coincide with the outside corners of the bridge's abutments, and includes only superstructure and substructure.

Acreage of Nominated Property: Less than one acre.



LR 920 over Pennsylvania Canal
 T-6: Bridge in Tinicum Twp.
 Bucks County
 Zone 18 - Lumberville Quad
 E 494460 N 4474540

Carversville Road over
 S-9: Bridge Pannacussing Creek
 Bucks County
 Zone 18 - Lumberville Quad
 E 494580 N 4470360

T E A D

S O I

5' 493

494

(BUCKINGHAM)
 5964 I SE

AQUETONG (JUNC. U.S. 202) 2.7 MI.

2'30"

SCALE 1:24000

Peters Co