

9. HISTORICAL DATA

8. USGS QUAD. Kennerdell

UTM's: Zone 17

E	5	9	7	1	1	0	
N	4	5	6	7	4	9	0
E							
N							

Designer/Engineer:

Unknown

Builder/Contractor:

Unknown

Bridge Company:

Canton Bridge Company

Date(s): 1906 ; basis form #432

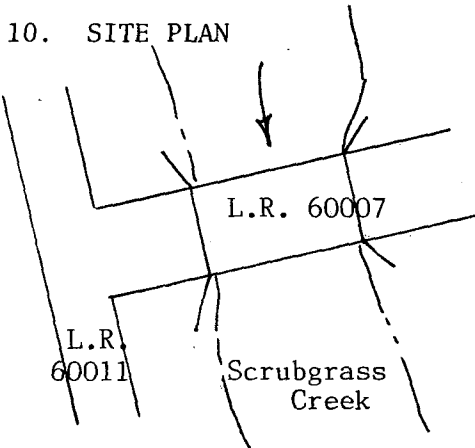
1906 ; basis bridge plaque

_____ ; basis

_____ ; basis

Use: vehicular present; same original.

10. SITE PLAN



1. County Venango
 2. Municipality Clinton Township
 3. Structure No. [6][0][2][9][0][1][0][1][7][9][0][4][2][5][3][8]
 4. Survey Code 01-309 T-40
 5. Present Name Witherun Bridge
 6. Other name (historic name if any) N/A
 7. Crossing I.R. 60007 over Scrubgrass Creek

11. INTEGRITY

altered; _____
 unaltered; _____
 moved; _____

Explain:

12. VIEW

no.

PHOTO

13. COMMENTS

Unusual features:

N/A

Locale/environment:

Rural

Machinery (describe/identify type/equipment):

N/A

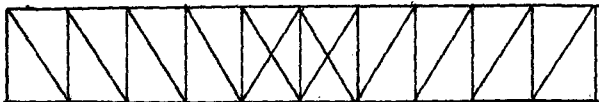
14. DIMENSIONS

spans: 1 no., 86 ft. 0/A
 main: _____ no., _____ ft.
 secondary: _____ no., _____ ft.
 approach: _____ no., _____ ft.
 piers: _____ no.
 towers: _____ no., _____ ft.

15. TYPE

CHARACTERISTICS

Truss: continuous/cantilever:



Arch: masonry/metal:

Suspension:

Bascule:

Swing:

Vertical Lift:

Other:

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

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

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

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

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

other: _____

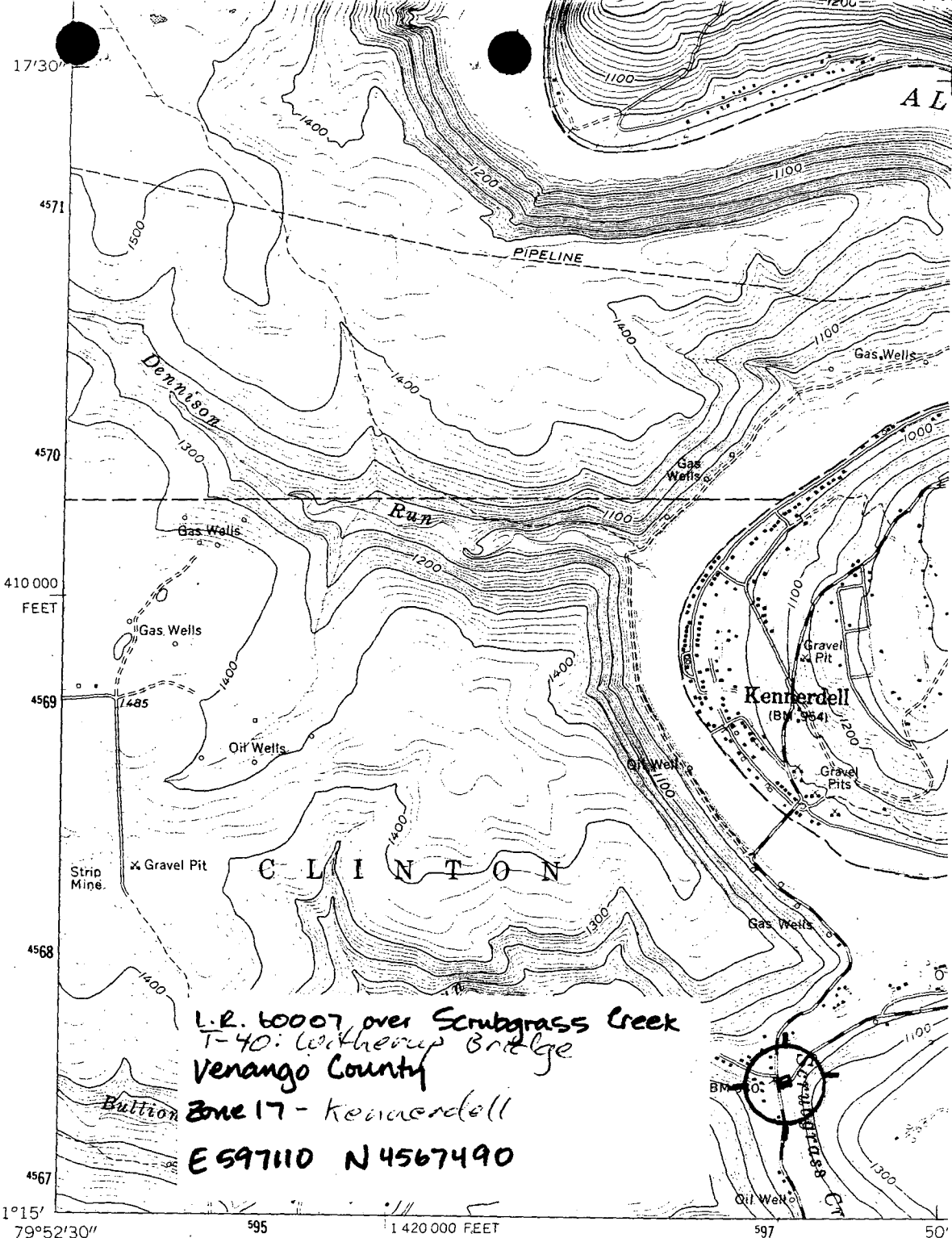
16. MATERIALS (primary)

Superstructure	type	treatment/finish	source
main span:	steel	_____	_____
towers:	_____	_____	_____
railings:	steel	_____	_____
Substructure			
piers:	_____	_____	_____
abutments:	stone	masonry	_____
wings:	stone	masonry	_____
intrados/ribs:	_____	_____	_____
voussoirs:	_____	_____	_____

17. PHOTO NO's. Roll #3
 01-03 (1-7) 7 exposures

18. PREPARED BY:
 AGENCY/ORGANIZATION:
 Penn DOT ; DATE: 8/82

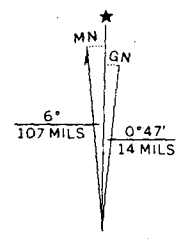
Pennsylvania D.O.T. Owned Highway Bridges
 Witherup Bridge
 T-40



L.R. 60007 over Scrubgrass Creek
 T-40: Witherup Bridge
 Venango County
 Zone 17 - Kennerdell
 ES97110 N4567490

(BARKEYVILLE)
 5066 III NW

Mapped, edited, and published by the Geological Survey
 Control by USGS, USC&GS, and USCE
 Topography by photogrammetric methods from aerial
 photographs taken 1962. Field checked 1963
 Polyconic projection. 1927 North American datum
 10,000-foot grid based on Pennsylvania coordinate system, north zone
 1000-meter Universal Transverse Mercator grid ticks,
 zone 17, shown in blue
 Fine red dashed lines indicate selected fence and field lines where
 generally visible on aerial photographs. This information is unchecked
 Railroads shown in purple. Compiled in cooperation with
 State of Pennsylvania agencies from aerial photographs
 taken 1972. This information not field checked



UTM GRID AND 1972 MAGNETIC NORTH
 DECLINATION AT CENTER OF SHEET

Survey Number: T-40

Bridge Name and Address: Witherup Bridge
L.R. 60007 over Scrubgrass Creek
Venango County

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

Statement of Significance: The Witherup Bridge is an unusual example of a Pratt pony truss bridge. It was built in 1906 by the Canton Bridge Company of Canton, Ohio. This single span bridge is 86 feet long. It is the only example of a Pratt pony truss with vertical end posts, in addition to being the only example of a pony truss with riveted joints. The Witherup Bridge is the only twentieth century example among the seven Pratt pony trusses included in this nomination.

Area of Significance: Engineering.

Boundary Description: The nominated property consists of a 96 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.

NR Listed