

Ross Fording Rd. over Octoraro  
 T-9 Bridge in W. Fallowfield Creek  
 Chester County  
 Zone 18 - Parkersburg Quad  
 E 415180 N 4415000

Pennsylvania D.O.T. Owned Highway Bridges  
 Bridge in West Fallowfield Twp. T-9

(KIRK WOC  
 5783 / SE

Control by USGS and USC&GS  
 Topography from aerial photographs by stereophotogrammetric methods. Aerial photographs taken 1950. Field check 1953  
 Polyconic projection. 1927 North American datum  
 10,000-foot grid based on Pennsylvania coordinate system south zone  
 1000-meter Universal Transverse Mercator grid ticks, zone 18, shown in blue

rvey

MN  
 10N  
 9°  
 160 MILS  
 0°36'  
 11 MILS

UTM GRID AND 1973 MAGNETIC NORTH DECLINATION AT CENTER POINT

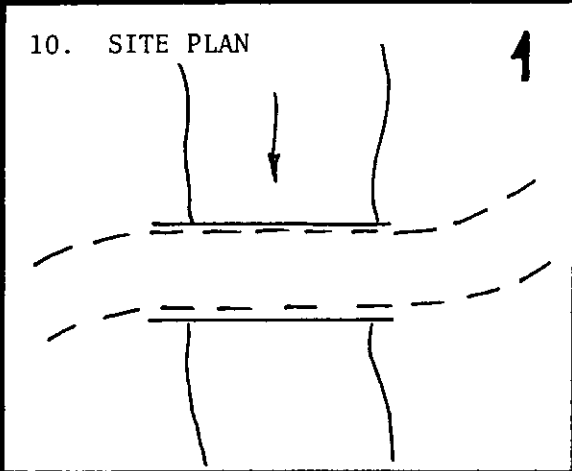
PENNSYLVANIA HISTORIC RESOURCE SURVEY FORM  
Bureau for Historic Preservation  
PA Historical & Museum Commission

Box 1026  
Harrisburg, PA 17120

9. HISTORICAL DATA

8. USGS QUAD. Parkesburg  
UTM's: Zone 18  
E | 4 | 1 | 5 | 1 | 8 | 0 |  
N | 4 | 4 | 1 | 5 | 0 | 0 | 0 |  
E | | | | | | | |  
N | | | | | | | |

Designer/Engineer: Unknown  
Builder/Contractor: James Denithorne  
Bridge Company: Phoenix Steel



Date(s): 1885 ; basis plaque on bridge  
\_\_\_\_; basis  
\_\_\_\_; basis  
\_\_\_\_; basis  
Use: Vehicular present; Vehicular original.

11. INTEGRITY  
\_\_\_\_ altered; \_\_\_\_\_  
 unaltered; \_\_\_\_\_  
\_\_\_\_ moved; \_\_\_\_\_  
Explain:

12. VIEW no. \_\_\_\_\_  
  
PHOTO

13. COMMENTS  
Unusual features:  
Wood deck

Locale/environment:  
rural farmlands on Chester/Lancaster Co. line  
  
Machinery (describe/identify type/equipment):  
N/A

14. DIMENSIONS  
spans: \_\_\_\_ no., \_\_\_\_ ft. 0/A  
main: 1 no., 84.5 ft.  
secondary: \_\_\_\_ no., \_\_\_\_ ft.  
approach: \_\_\_\_ no., \_\_\_\_ ft.  
piers: \_\_\_\_ no.  
towers: \_\_\_\_ no., \_\_\_\_ ft.

1. County Chester  
2. Municipality W. Fallowfield + Sec 5  
3. Structure No. 1521019479000000000001  
4. Survey Code 910-R-9  
5. Present Name Bridge in West Fallowfield Twp.  
6. Other name (historic name if any) N/A  
7. Crossing Ross Forging Rd. over Octoraro Creek

15. TYPE

CHARACTERISTICS

Truss: continuous/cantilever:

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

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>coursed</u>	_____
wings:	<u>masonry</u>	<u>random</u>	_____
intrados/ribs:	_____	_____	_____
voussoirs:	_____	_____	_____

17. PHOTO NO's. 06-36-(11-17)

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

Survey Number: T-9

Bridge Name and Address: Bridge in West Fallowfield Township  
L.R. 15170 over Octoraro Creek  
Chester County

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

Statement of Significance: The bridge in West Fallowfield Township is a moderate span Pratt pony truss made with Phoenix column compression members. It is a typical example, although a rare survivor, of a standardized Phoenix Bridge Company low truss highway bridge. A bridge plate located on the upper chord reads: "Phoenixville 1885". Of the seven Pratt pony truss bridges included in this nomination, two were made with Phoenix column compression members. This patented column was a trademark of the nationally significant Phoenix Bridge Company of Phoenixville, Pennsylvania.

Area of Singificance: Engineering.

Boundary Description: The nominated property consists of a 85 feet long by 25 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.