

Pennsylvania D.O.T. Owned Highway Bridges
Bridge in Tredyffrin Township

S-15



*Gulph Road over Trout Run
S-15 Bridge in Tredyffrin Twp.
Chester County
Zone 18 - Valley Forge
E464000 N4437830*

PENNSYLVANIA HISTORIC RESOURCE SURVEY FORM
 Bureau for Historic Preservation Box 1026
 PA Historical & Museum Commission Harrisburg, PA 17120

9. HISTORICAL DATA

8. USGS QUAD. Valley Forge

UTM's: Zone 18

E	4	6	4	0	0	0
N	4	4	3	7	8	3
E						
N						

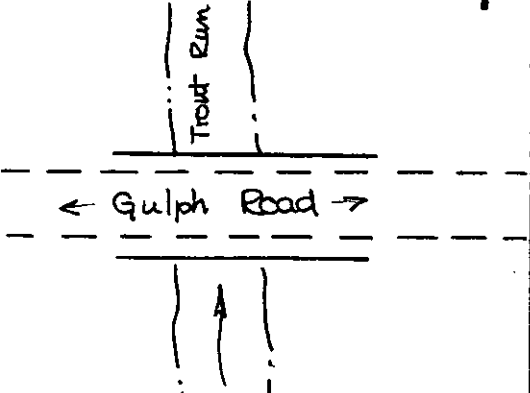
Designer/Engineer:
 Unknown

Builder/Contractor:
 Unknown

Bridge Company:
 Unknown

10. SITE PLAN

1



Date(s): unknown; basis

_____ ; basis

_____ ; basis

_____ ; basis

Use: Vehicular present; Vehicular original.

11. INTEGRITY

___ altered; _____.

unaltered; _____.

___ moved; _____.

Explain:

12. VIEW

no.

PHOTO

13. COMMENTS

Unusual features:
 Concrete cap on parapet

Locale/environment: Suburban

Machinery (describe/identify type/
 equipment):

14. DIMENSIONS

spans: ___ no., 75 ft. 0/A

main: 1 no., 27.8 ft.

secondary: ___ no., ___ ft.

approach: ___ no., ___ ft.

piers: ___ no.

towers: ___ no., ___ ft.

1. County	Chester
2. Municipality	Tredyffrin Twp.
3. Structure No.	1151101954401003876
4. Survey Code	819 S-15
5. Present Name	Bridge in Tredyffrin Twp.
6. Other name (historic name if any)	MPA
7. Crossing	Gulph road over Trout Run

15. TYPE

CHARACTERISTICS

Truss: continuous/cantilever:

- 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: _____

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>masonry</u>	<u>random</u>	_____
towers:	_____	_____	_____
railings:	_____	_____	_____
Substructure			
piers:	_____	_____	_____
abutments:	_____	_____	_____
wings:	<u>masonry</u>	<u>random</u>	_____
intrados/ribs:	<u>masonry</u>	<u>gunite</u>	_____
voussoirs:	<u>masonry</u>	_____	_____

17. PHOTO NO's.
06-41 (33-37)

18. PREPARED BY:
AGENCY/ORGANIZATION: District 6-0
; DATE: November 3, 1982

NATIONAL REGISTER

Survey Number: S-15

Bridge Name and Address: Bridge in Tredyffrin Township
L.R.544
Chester County

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

Statement of Significance: The bridge in Tredyffrin Township is a typical small span stone arch bridge. Although the date of construction is unknown, this simple single span arch bridge is representative of 19th and early 20th century small span bridges. Built of coursed rubble construction, the bridge has voussoirs of roughly square stone to differentiate the arch ring. This segmental arch has a low rise-span ratio and relatively long approach walls, features which are typical of many of the 19th and early 20th century bridges in this nomination. This bridge is one of the best preserved examples of such 19th and early 20th century bridges being nominated in Chester County.

Area of Significance: Engineering

Boundary Description: The nominated property consists of a 75 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.