

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

9. HISTORICAL DATA

8. USGS QUAD. Norristown, PA

UTM's: Zone 18

E	4	6	8	2	5	0
N	4	4	2	8	0	0
E						
N						

Designer/Engineer:

Chandler, Theophilus P.

Builder/Contractor:

Morris, J. A.

Bridge Company:

Unknown

Date(s): 1905 ; basis

Plaque on Bridge

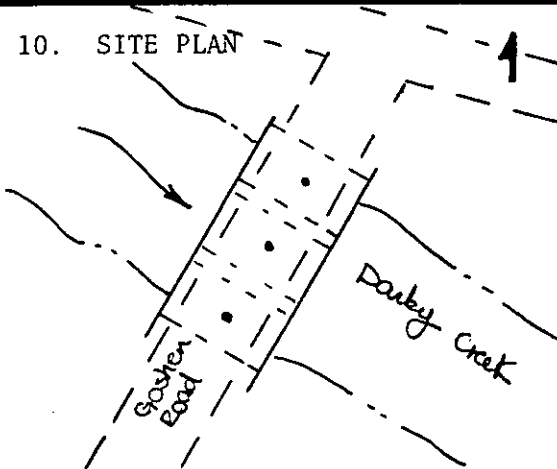
_____ ; basis

_____ ; basis

_____ ; basis

Use: Veh. present; Veh. original.

10. SITE PLAN



11. INTEGRITY

- altered; Unknown
- unaltered; _____
- moved; _____

Explain:

Various gunite and concrete repair

12. VIEW

no.

PHOTO

13. COMMENTS

Unusual features:

Keystone Date Plaque
 Upright stones on
 parapet cap

Locale/environment:

Isolated suburban

Machinery (describe/identify type/
 equipment):

14. DIMENSIONS

spans: 3 no., 80 ft. ^{100'} O/A
 main: 1 no., 45 ft.
 secondary: 1 no., 19 ft.
 approach: 1 no., 16 ft.
 piers: no.
 towers: no., ft.

1. County	Delaware
2. Municipality	Radnor Township
3. Structure No.	12 3 2 2 10 1 0 1 3 4 10 1 0 1 2 0 1 0 1 9
4. Survey Code	811 S-27
5. Present Name Bridge in Radnor Township #1	
6. Other Name (historic name if any) n/a	
7. Crossing	Goshen Road over Darby Creek

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:	Masonry	Coursed	_____
towers:	_____	_____	_____
railings:	Masonry	Ashler parapet	_____
Substructure		rounded fieldstone on top	
piers:	Masonry	Coursed	_____
abutments:	"	"	_____
wings:	_____	_____	_____
intrados/ribs:	Masonry	Gunité	_____
voussoirs:	"	_____	_____

17. PHOTO NO's.

06-7 (31-36) & 8 (1-6)

18. PREPARED BY:

AGENCY/ORGANIZATION: _____ Dist. 6-0
; DATE: 12/20/82

NATIONAL REGISTER

Survey Number: S-27

Bridge Name and Address: Bridge in Radnor Township #1
L. R. 23034
Delaware County

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

Statement of Significance: Bridge #1 in Radnor Township is a stone arch bridge comprising three arches, a main span of 45 feet and two flanking arches which span 19 feet each. It is a well preserved representative of Delaware County multi-span bridges that typically have featured the same semi-circular arch and intermediate length. Like the other two nominated arch bridges built in Delaware County, attention was given to embellishment in the design of this bridge. A carved, oversigned key stone notes the date of construction (1905). a belt course marks the roadway and unfinished stones cap the parapet.

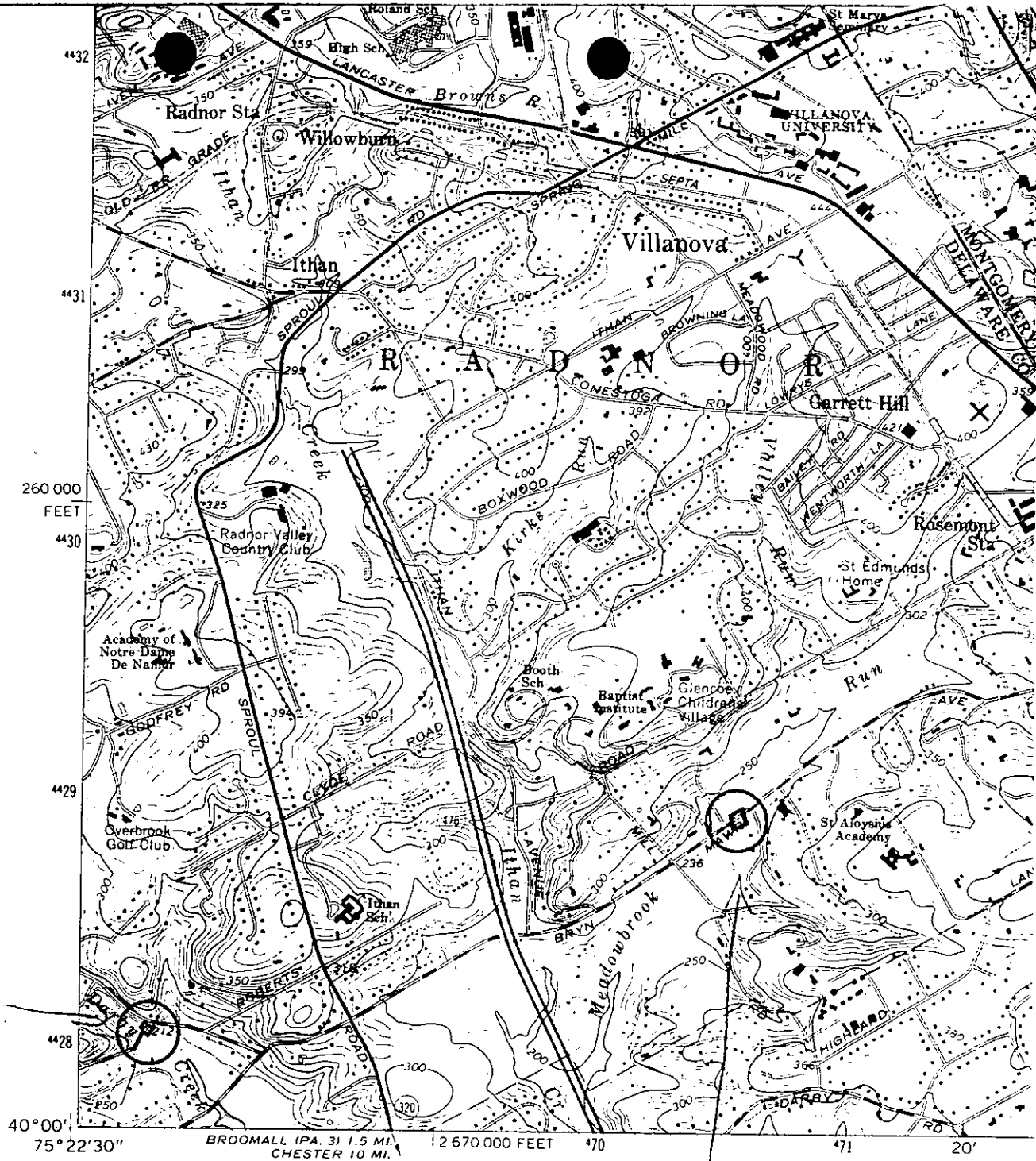
Boundary Description: The nominated property consists of a 100 feet long by 25 feet wide rectangle whose vertices coincide with the outside corners of the bridge's wing walls, and includes only bridge superstructure and substructure.

Acreage of Nominated Property: Less than one acre.

Pennsylvania D.O.T. Owned Highway Bridges
 Bridge in Radnor Township #1 S-27

Delaware County
 Zone 18 *Merisstown Quad*
 E 468250 N 4428000

(MEDIAL)
 5983 IV NW



Mapped, edited, and published by the Geological Survey
 in cooperation with Pennsylvania Department of
 Internal Affairs, Topographic and Geologic Survey

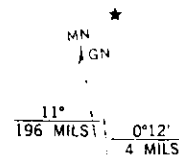
Control by USGS, NOS/NOAA, and USCE

Topography by photogrammetric methods from aerial
 photographs taken 1950. Field checked 1952. Revised
 from aerial photographs taken 1965. Field checked 1966

Polyconic projection. 10,000-foot grid ticks based on Pennsylvania
 coordinate system, south zone. 1000-meter Universal Transverse
 Mercator grid ticks, zone 18, shown in blue
 1927 North American Datum

To place on the predicted North American Datum 1983 mc
 the projection lines 6 meters south and 31 meters west as
 shown by dashed corner ticks

Red tint indicates areas in which only landmark buildings



UTM GRID AND 1983 MAGNETIC NORTH
 DECLINATION AT CENTER OF SHEET

Pennsylvania D.O.T. Owned Highway Bridges

Bridge in Radnor Township # 2

S-28

Delaware County
 - Zone 18 *Merisstown Quad*
 E 470620 N 4442860