

9. HISTORICAL DATA

8. USGS QUAD. Sassamanville

UTM's: Zone 18

E							
N							
E	<u>4</u>	<u>5</u>	<u>3</u>	<u>7</u>	<u>5</u>	<u>0</u>	
N	<u>4</u>	<u>4</u>	<u>5</u>	<u>9</u>	<u>4</u>	<u>5</u>	<u>0</u>

Designer/Engineer: Unknown

Builder/Contractor: Unknown

Bridge Company: Unknown

10. SITE PLAN

4

Date(s): 1854 (?); basis Plaque on Bridge

_____ ; basis _____

_____ ; basis _____

_____ ; basis _____

Use: Veh. present; Veh. original.

11. INTEGRITY

altered; unknown

unaltered; _____

moved; _____

Explain:
 South parapet, wingwalls and pier reconstructed

12. VIEW

no.

PHOTO

13. COMMENTS

Unusual features:

Locale/environment:

Rural woodlands with several houses nearby

Machinery (describe/identify type/equipment):

14. DIMENSIONS

125'

spans: 3 no., 60 ft. O/A

main: 3 no., 20 ft. EA

secondary: _____ no., _____ ft.

approach: _____ no., _____ ft.

piers: _____ no.

towers: _____ no., _____ ft.

1. County Montgomery

2. Municipality U. Frederick Twp.

3. Structure No. 462101010171010112113141

4. Survey Code 811 S-46

5. Present Name Bridge in Upper Fredrick Township

6. Other name (historic name if any) n/a

7. Crossing Faglevsville Rd. over Swamp 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/Rail.
- 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	Random	_____
towers:	_____	_____	_____
railings:	_____	_____	_____
Substructure			
piers:	Masonry	Gunite	_____
abutments:	_____	_____	_____
wings:	Masonry	Random	_____
intrados/ribs:	"	_____	_____
voussoirs:	"	_____	_____

17. PHOTO NO's.

06-43 (1-4)

18. PREPARED BY:

AGENCY/ORGANIZATION: Dist. 6-0

; DATE: 11-8-82

Survey Number: S-46
Bridge Name and Address: Bridge in Upper Fredrick Township
L.R. 46007
Montgomery County
Owner: Commonwealth of Pennsylvania
Department of Transportation
Transportation & Safety Building
Harrisburg, Pennsylvania 17120

Statement of Significance: The bridge in Upper Fredrick Township is a good example of a multiple span nineteenth century stone highway bridge. The three semental arches of this bridge each span 20 feet and, like many stone bridges built during this time, are flanked by long approach walls which make the bridge much longer than its arch spans. A plaque on the bridge documents its construction date as 1854. When viewed in elevation, the arch spans are differentiated from the body of the bridge by a small built-in recession. This stylistic variation describes a rectangle from the exterior of one arch ring, across both arch crowns to the exterior of the other arch ring; the projection of the rest of the bridge thus highlights this arched section. This feature appears to be peculiar to Montgomery County; there are five stone arch bridges built like this in that county. There are ten stone bridges included in this nomination which were built in Montgomery County. As a group, these bridges are an excellent illustration of the continuing tradition in stone masonry bridge construction in Pennsylvania. Construction dates for these bridges range from 1789 to 1910.

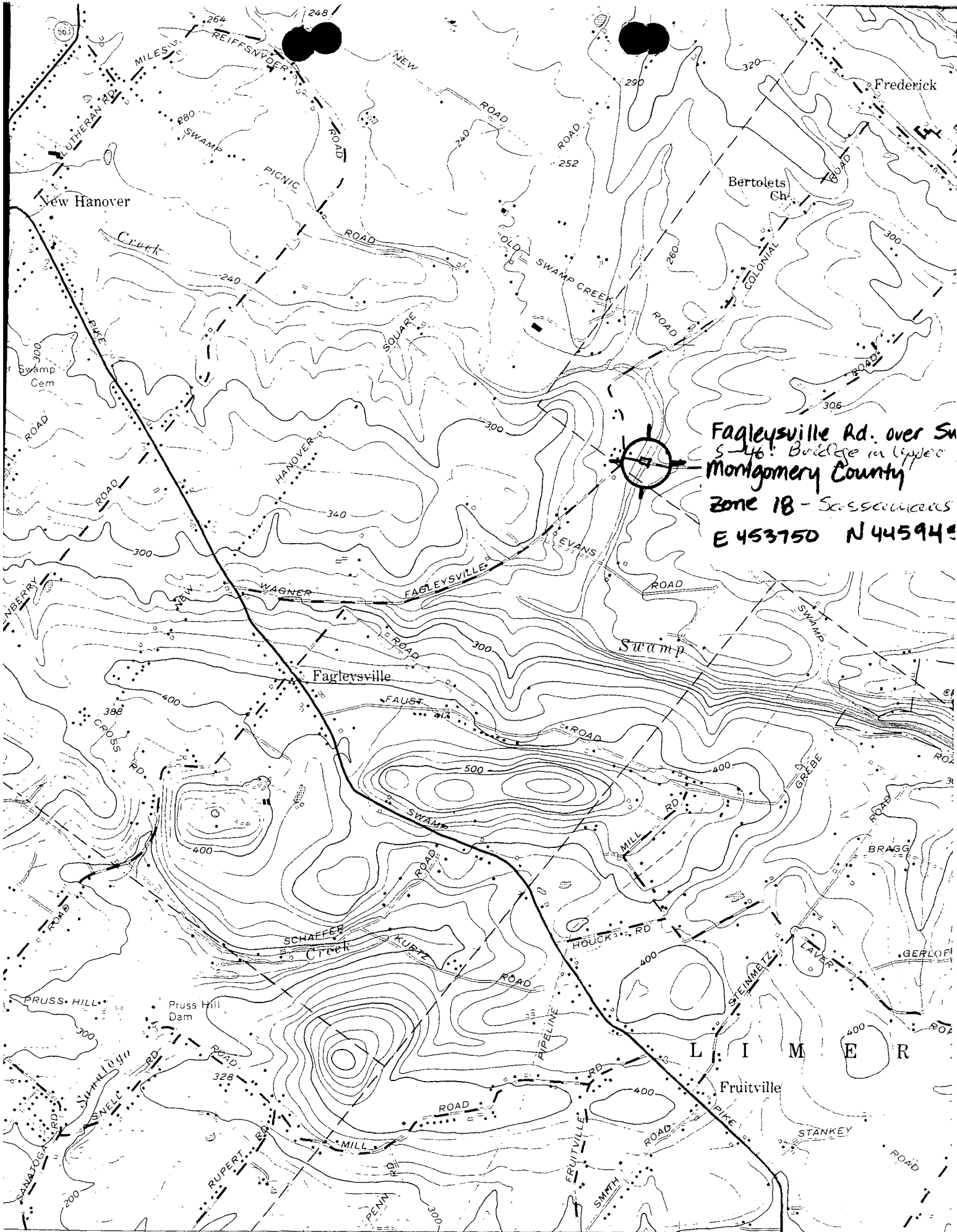
Area of Significance: Engineering.

Boundary Description: The nominated property consists of a 125 feet long by 25 feet wide rectangle whose vertices coincide with the outside corners of the bridge's wing walls, and

Acreage of Nominated
Property:

includes only bridge superstructure
and substructure.

Less than one acre.



451

(PHOENIXVILLE)
5864 11 NE

453

32'30"

LINE 1
NO. 1