

9. HISTORICAL DATA

8. USGS QUAD. Frankford

UTM's: Zone 18

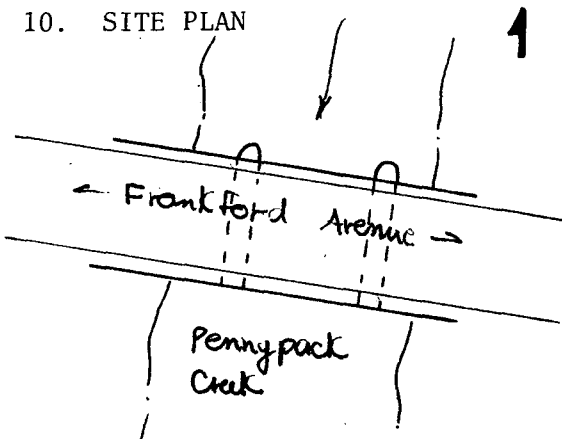
E	4	9	8	2	2	0
N	4	4	3	2	3	8
E						
N						

Designer/Engineer: Unknown

Builder/Contractor: Unknown

Bridge Company: Unknown

10. SITE PLAN



Date(s): 1697 ; basis PennDOT File

1893 ; basis Widened PennDOT File

_____ ; basis _____

_____ ; basis _____

Use: present; original.

11. INTEGRITY

xaltered; _____.

 unaltered; _____.

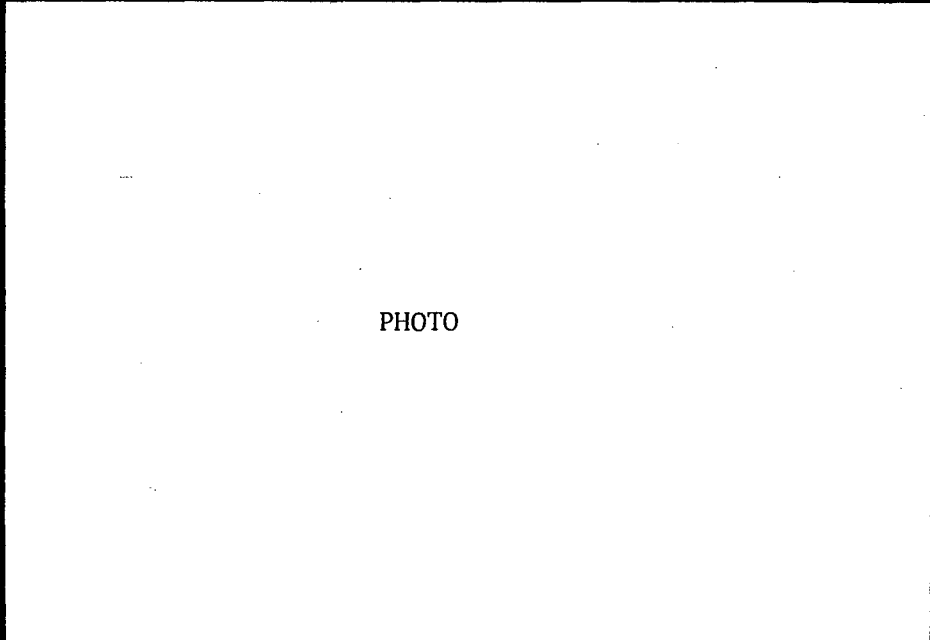
 moved; _____.

Explain:

Guard Rail and sidewalk added

12. VIEW

no.



PHOTO

13. COMMENTS

Unusual features:

National Historic Civil Engineering Landmark
 Wrought or Cast Iron Rail

Locale/environment: Urban

Machinery (describe/identify type/equipment):

14. DIMENSIONS

spans: no., 75 ft. O/A

main: 3 no., 25 ft. EA

secondary: no., ft.

approach: no., ft.

piers: no.

towers: no., ft.

1. County Philadelphia	2. Municipality Philadelphia	3. Structure No. 672002001016111	4. Survey Code 811 S-53
5. Present Name Frankford Avenue Bridge	6. Other name (historic name if any) Frankford Ave. Bridge	7. Crossing Frankford Avenue over Pennypack 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	Cut Stone	_____.
towers:	_____	_____	_____.
railings:	_____	_____	_____.
Substructure			
piers:	Masonry	Random	_____.
abutments:	"	"	_____.
wings:	_____	_____	_____.
intrados/ribs:	Masonry	Random	_____.
vousoirs:	"	_____	_____.

17. PHOTO NO's 06-22 (35-38)
23 (1-6)

18. PREPARED BY: _____ Dist. 6-0
AGENCY/ORGANIZATION: _____
; DATE: 1-3-83

Survey Number: S-53

Bridge Name and Address: Frankford Avenue Bridge
L.R. 67020 over Pennypack Creek
Philadelphia County

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

Statement of Significance: The Frankford Avenue Bridge is thought to be the oldest stone arch bridge still carrying a modern highway in America. This three span arch bridge was an important link in the Kings Road, which eventually connected Philadelphia to New York. The Frankford Avenue Bridge is said to have been originally built by the male residents of what was then Lower Dublin Township, who were assessed either their labor or money for the construction of the bridge. The road was paved in 1803 when it became part of the Frankford and Bristol Turnpike toll road. Widened and reinforced in 1893, trolley tracks and automobiles began to cross the bridge. Despite all these changes, the three semi-circular arches are original and are well buttressed with rubble stone piers.

Area of Significance: Engineering, transportation.

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.

Philadelphia County

Run 4 C-30

Zone 18

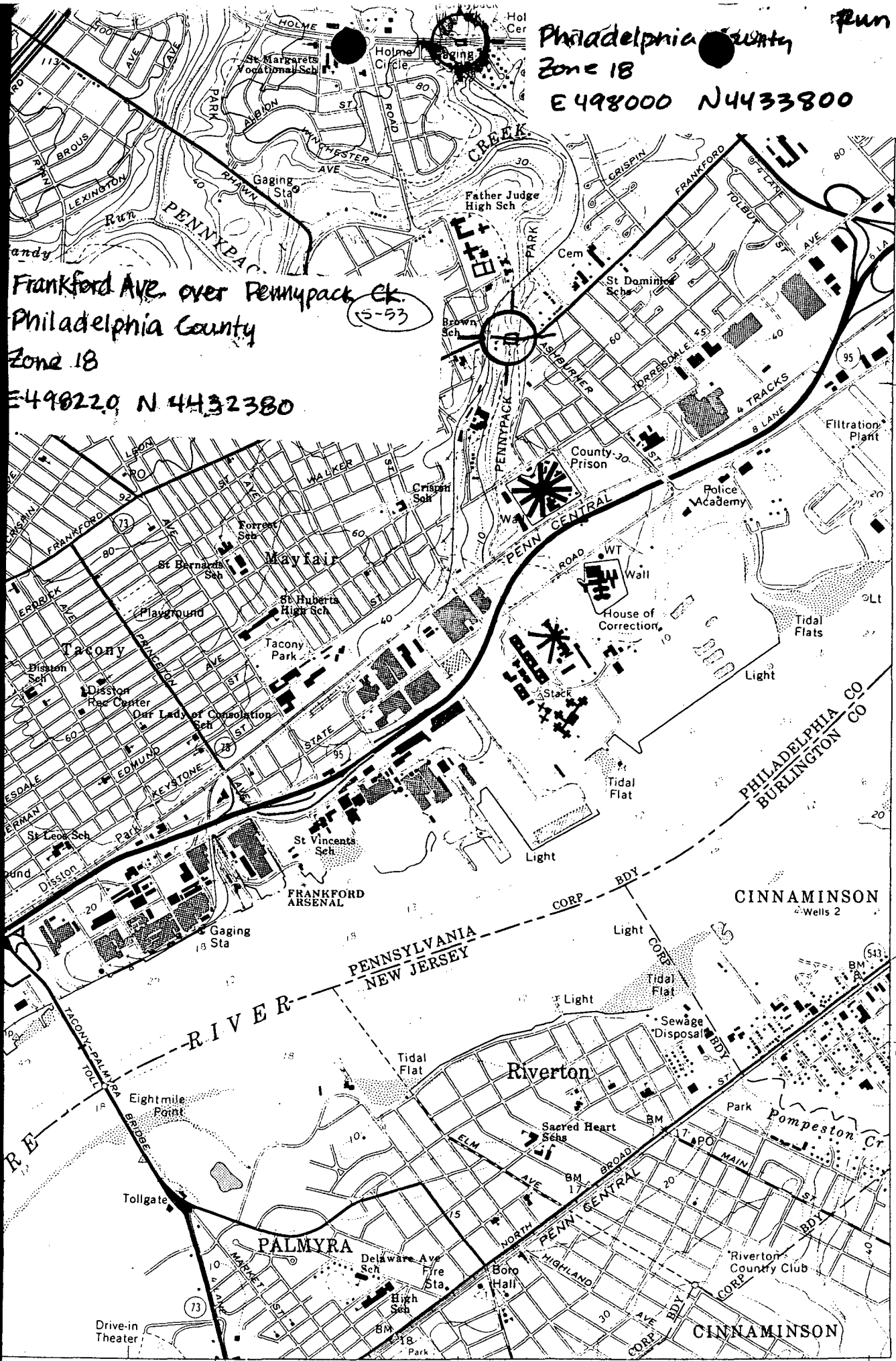
E 498000 N 4433800

Frankford Ave. over Pennypack Cr.

Philadelphia County

Zone 18

E 498220 N 4432380



PA TURNPIKE INTER

2'30"

4432

4431

4430

BEVERLY 6 MI.

430 000 FEET (N. J.)

4428000m.N.

40°00'

Pennsylvania D.O.T. Owned Highway Bridges - Holme Avenue Bridge C-30