

9. HISTORICAL DATA

8. USGS QUAD. Reading, PA

UTM's: Zone 18

E 4 2 3 5 4 0

N 4 4 6 4 7 0 0

E

N

Designer/Engineer:

Unknown

Builder/Contractor:

Whittaker & Diehl

Bridge Company:

Unknown

Date(s): 1927; basis PennDOT Records

1970; basis PennDOT Records

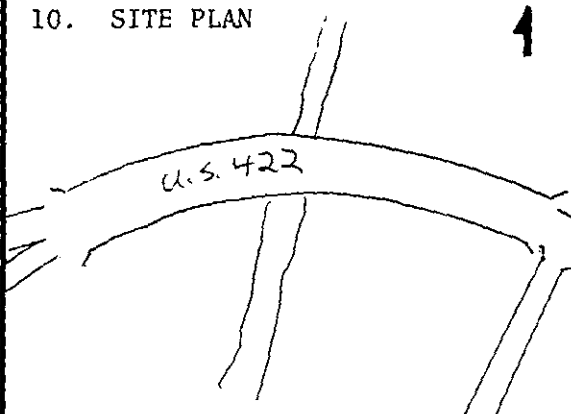
; basis

; basis

Use: Vehicular present; Vehicular original.

10. SITE PLAN

4



11. INTEGRITY

altered; \_\_\_\_\_

unaltered; \_\_\_\_\_

moved; \_\_\_\_\_

Explain:

Replaced Sidewalks & Parapets

12. VIEW

no.

PHOTO

13. COMMENTS

Unusual features:

N/A

Locale/environment: City Park

Machinery (describe/identify type/equipment):

N/A

14. DIMENSIONS

spans: 13 no., 866 ft. 0/A

main: 5 no., 83 ft.

secondary: 8 no., 42 ft.

approach: no., ft.

piers: no. 6'-6" ft.

towers: no., ft.

1. County	BERKS
2. Municipality	City of Reading
3. Structure No.	100111010114161010181415181
4. Survey Code	05-111 C-5
5. Present Name	Lindbergh Viaduct
6. Other name (historic name if any)	N/A
7. Crossing	US 422 Mineral Spring Rd Mineral Springs Creek

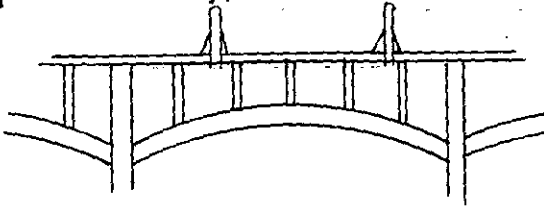
15. TYPE

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: Concrete



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:	_____	_____	_____
towers:	_____	_____	_____
railings:	Aluminum	Pipe	_____
Substructure			
piers:	Concrete	Smooth	_____
abutments:	Concrete	Smooth	_____
wings:	_____	_____	_____
intrados/ribs:	Concrete	Smooth	_____
voussoirs:	_____	_____	_____

17. PHOTO NO's.

05-18 (0-8)

18. PREPARED BY: R.J. Fink  
 AGENCY/ORGANIZATION: PennDOT  
 ; DATE:

Survey Number: C-5

Bridge Name and Address: Lindbergh Viaduct  
L.R. 146 over Mineral Springs Creek  
Berks County

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

Statement of Significance: The Lindbergh Viaduct is an unusual example of an open-spandrel concrete arch bridge. This handsome long-span bridge consists of thirteen arches, measuring 83 feet and 42 feet. These were small spans for a 1927 concrete bridge. It is unusual, however in its configuration and embellishments. The arches were constructed of three wide ribs and they are skewed. The ornamental piers are capped by similarly molded light posts, with the detailing varied because of the skewed nature of the bridge. This bridge is one of fifteen open-spandrel arch bridges in this nomination and one of two skewed ones. It represents a fairly rare example among the nominated bridges of the additional engineering requirements involved in designing a skewed rather than a straight bridge.

Area of Significance: Engineering

Boundary Description: The nominated property consists of a 866 feet long by 67 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: 1.3 acres.

Pennsylvania D.O.T. Owned Highway Bridges

Lindbergh Viaduct

C-5

READING QUADRANGLE

Berks County - Reading Quad

PENNSYLVANIA-BERKS CO.

Zone 18

7.5 MINUTE SERIES (TOPOGRAPHIC)

E 423540 N4464700

5868 IV NE (FLEETWOOD)

10 SE. 1/4 SPRINGS  
EMPLE 2.3 MI.

55'

123

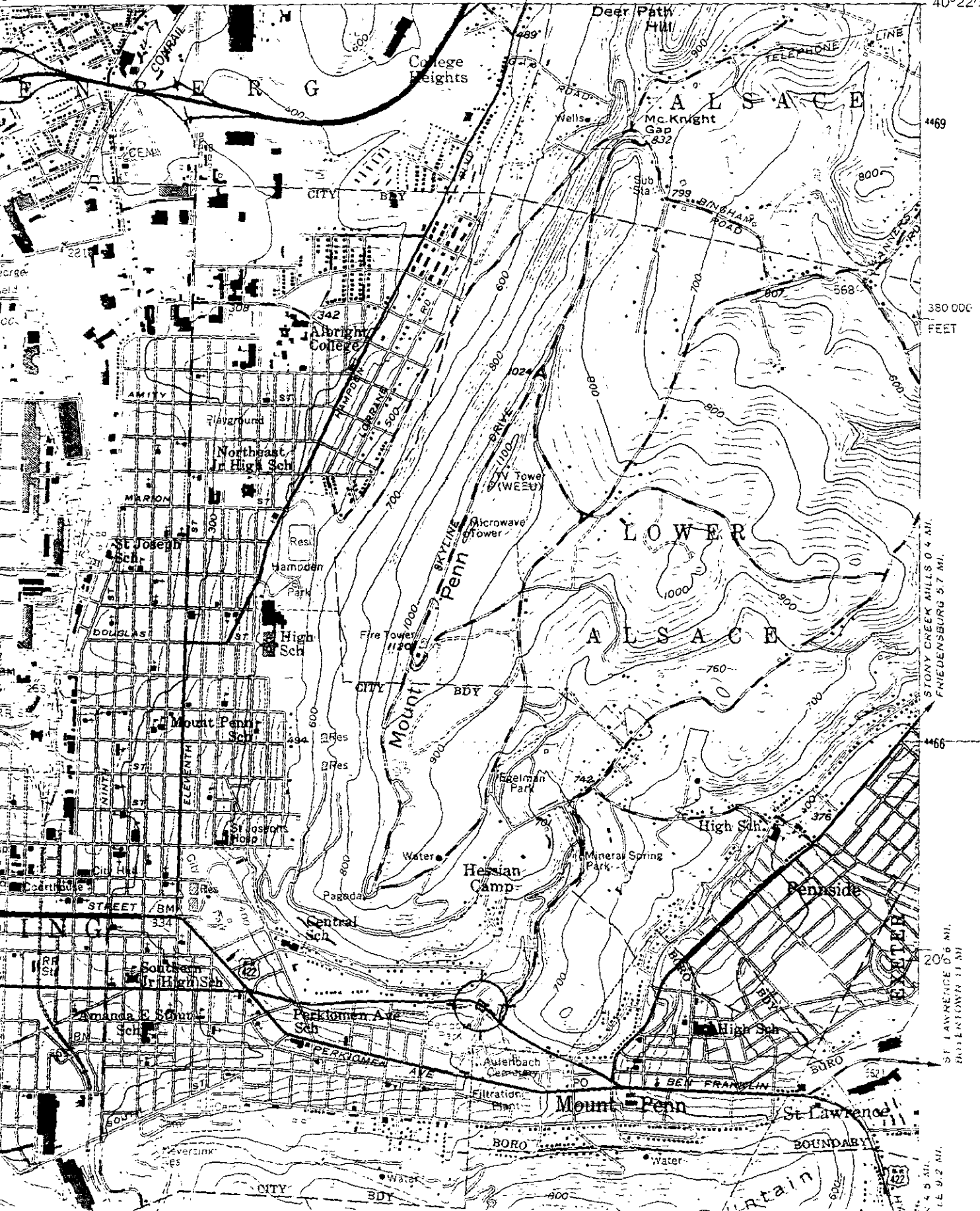
PRICETOWN 5.7 MI.

124

2520 000 FEET

75°52'30"

40°22'30"



380 000  
FEET

STONY CREEK MILLS 0.4 MI.  
FRIEDENSBURG 5.7 MI.

ST. LAWRENCE 0.6 MI.  
PRICETOWN 11 MI.

1.4 9.2 MI.