

Survey Number: C-23

Bridge Name and Address: Cold Spring Bridge
L.R. 175 over Spring Creek
Lehigh County

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

Statement of Significance: The Cold Spring Bridge is a representative example of an open-spandrel arch bridge. One of fifteen bridges of this type included in the nomination, this single-span arch was built in 1930. The arch measures 160 feet and carries 6 symmetrically placed spandrel arches. Arch ribs, spandrel posts, brackets, concrete rails and transverse arches all have been molded in simple decorative shapes. The attention given to embellishing the various parts of this bridge illustrates a continuation in the tradition of attractive concrete design in Pennsylvania highway bridges. As a finely ornamented and well preserved example of open-spandrel arch bridge, this structure warrants listing on the National Register.

Area of Significance: Engineering

Boundary Description: The nominated property consists of a 228 feet long by 28 feet wide rectangle, whose vertices coincide with the outside cornerers of the bridge's wing walls and includes only bridge superstructure and substructure.

Acreage of Nominated Property: Less than one acre.

PENNSYLVANIA HISTORIC RESOURCE SURVEY FORM

Bureau for Historic Preservation
PA Historical & Museum Commission

Box 1026
Harrisburg, PA 17120

9. HISTORICAL DATA

USGS QUAD. Cementon, PA

UTM's: Zone 18

E	4	5	6	3	2	0
N	4	5	0	5	4	5
E						
N						

Designer/Engineer:

Unknown

Builder/Contractor:

Dawes & Norris

Bridge Company:

Date(s): 1930 ; basis

PennDOT Records

1930 ; basis

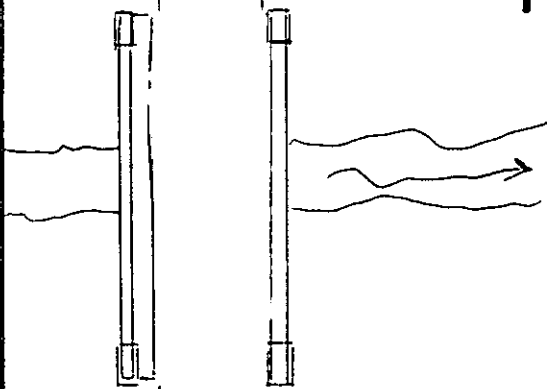
PDH Keystone Plaque

_____ ; basis

_____ ; basis

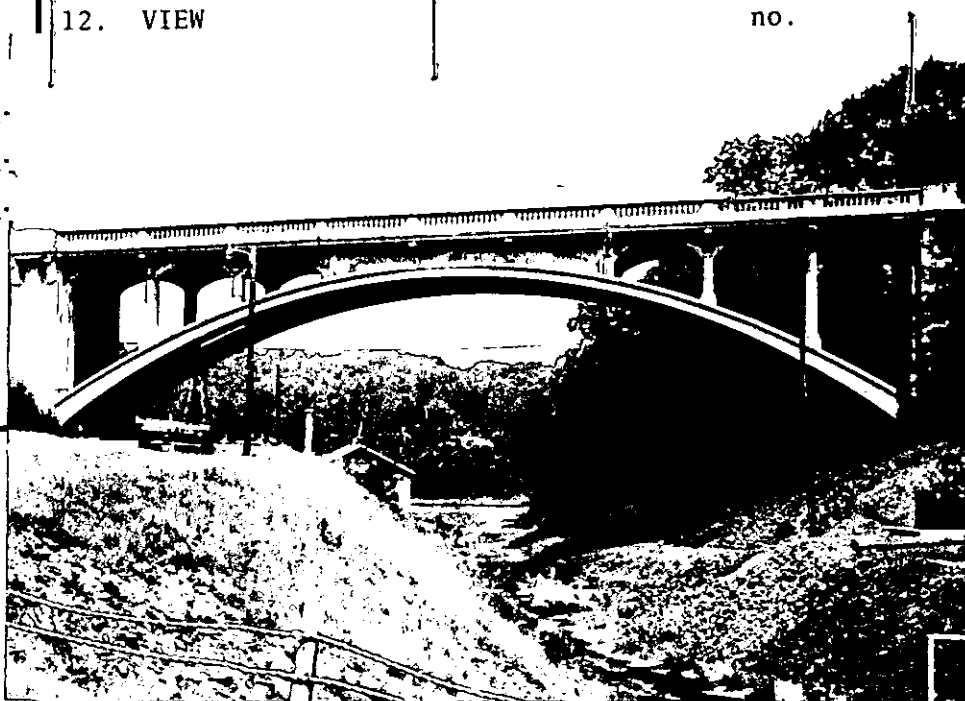
Use: Vehicular present; Vehicular original.

10. SITE PLAN



12. VIEW

no.



11. INTEGRITY

_____ altered; _____
 unaltered; _____
 _____ moved; _____

Explain:

13. COMMENTS

Unusual features:

Locale/environment:

Suburban Collector Artery

Machinery (describe/identify type/
equipment):

14. DIMENSIONS

spans: _____ no., _____ ft. O/A
 main: 1 no., 160 ft.
 secondary: _____ no., _____ ft.
 approach: 4 no., 17 ft.
 piers: _____ no.
 towers: _____ no., _____ ft.

1. County LEHIGH
 2. Municipality Whitehall Township
 3. Structure No. 3910011750066152
 4. Survey Code 05-111
 5. Present Name Cold Spring Bridge
 6. Other name (historic name if any)
 7. Crossing Second Street over Spring Creek

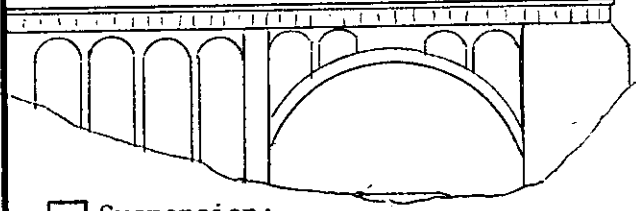
15. TYPE 14

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: Concrete Colonades
- columns: _____

Arch: masonry/metal:



- thru/deck/low (pony) ~~xxxx~~
- fixed (hinged/braced) ~~xxxx~~ 1/2/3-hinged
- ribs: solid/braced; crescent/parallel.
- spandrels: open/solid/braced ~~xxxxxx~~
- intrados/voussiors; ribbed/solid ~~xxxx~~
- shape: semi-circular/elliptical/segmental ~~xxxx~~ ~~xxxx~~ ~~xxxx~~
- skew None

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:

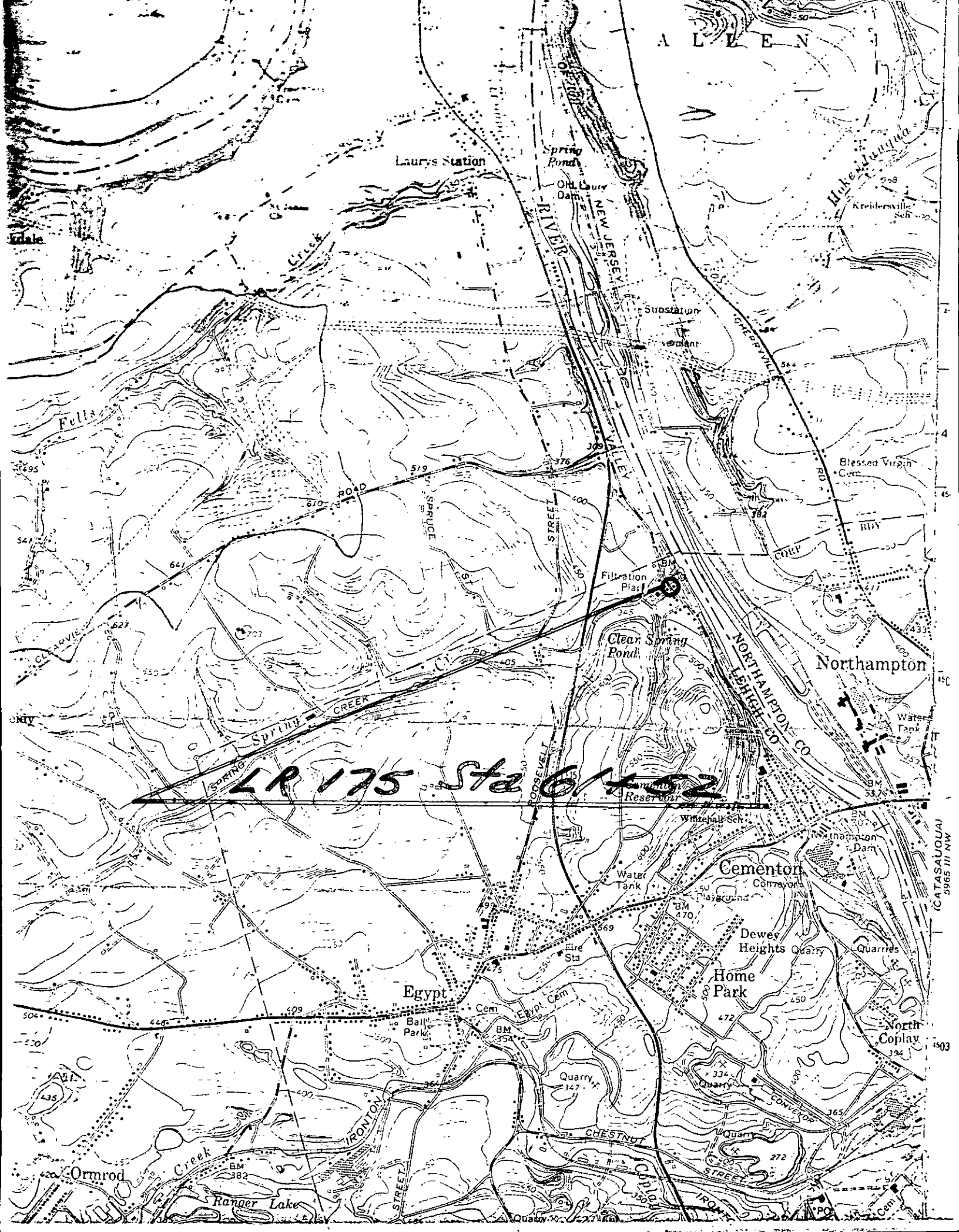
- other: _____

16. MATERIALS (primary) 07, 11, 15

Superstructure	type	treatment/finish	source
main span:	_____;	_____;	_____.
towers:	_____;	_____;	_____.
railings:	Concrete;	Smooth Colonades;	_____.
Substructure			
piers:	Concrete;	Smooth;	_____.
abutments:	Concrete;	Smooth Sculpted;	_____.
wings:	Concrete;	Smooth;	_____.
intrados/ribs:	Concrete;	Smooth;	_____.
voussiors:	_____;	_____;	_____.

17. PHOTO NO's.
05-09 (15-23)

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



A L L E N

Laurys Station

Spring Pond

Old Laury Dam

Substation

Fells

SPRUCE ROAD

SPRUCE STREET

ROOSEVELT STREET

Filtration Plant

Clear Spring Pond

Northampton

LR 175 Sta 6 1/2

Cementon

Dewey Heights Quarry

Home Park

Egypt

Bally Park

Quarry

Quarry

North Coplay

Ormrod

Creek

Ranger Lake

IRON CREEK

CHESTNUT STREET

IRON CREEK

(CATASAUQUA)
5965 III NW