

9. HISTORICAL DATA

8. USGS QUAD. Lansdowne, Pa.

UTM's: Zone 18

| | | | | | | |
|---|---|---|---|---|---|---|
| E | 4 | 7 | 7 | 8 | 8 | 0 |
| N | 4 | 4 | 2 | 5 | 9 | 4 |
| E | | | | | | |
| N | | | | | | |

Designer/Engineer:

John H. Dager

Builder/Contractor:

Patrick J. Lawler

Bridge Company:

Unknown

Date(s): 1913; basis

Plaque on bridge

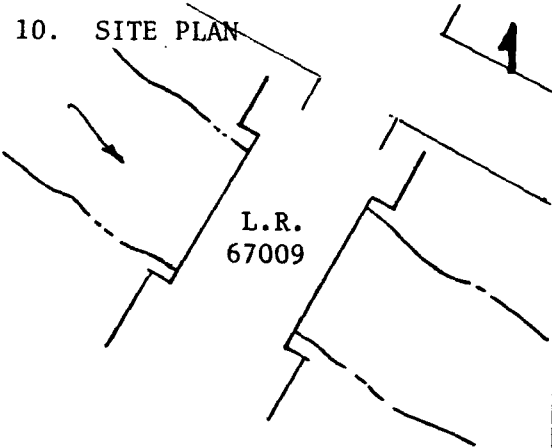
_____ ; basis

_____ ; basis

_____ ; basis

Use: Vehicular present; Vehicular original.

10. SITE PLAN



11. INTEGRITY

___ altered; _____
 x unaltered; _____
 ___ moved; _____

Explain:

Concrete repair

12. VIEW

no.

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PHOTO

13. COMMENTS

Unusual features:

Curved parapet
 and abutment walls
 arcaded parapet

Locale/environment:

City limit

Machinery (describe/identify type/
 equipment):

N/A

14. DIMENSIONS

spans: ___ no., ___ ft. O/A

main: 1 ___ no., 20 ft.

secondary: ___ no., ___ ft.

approach: ___ no., ___ ft.

piers: ___ no.

towers: ___ no., ___ ft.

| | | | | | | | |
|-----------------|-------------------------|--------------------------------------|--------------|------------------|--|----------------|---------------------|
| 1. County | Philadelphia | 2. Municipality | Philadelphia | 3. Structure No. | 6171 [?] [?] [?] [?] [?] [?] [?] [?] [?] [?] [?] [?] | 4. Survey Code | 111 |
| 5. Present Name | City Line Avenue Bridge | 6. Other name (historic name if any) | N/A | 7. Crossing | City Avenue | over | E. BR. Indian Creek |
| C-28 | | | | | | | |

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: | Concrete | Smooth | _____. |
| towers: | _____ | _____ | _____. |
| railings: | _____ | _____ | _____. |
| Substructure | | | |
| piers: | _____ | _____ | _____. |
| abutments: | Concrete | Pebbled & Etched | _____. |
| wings: | _____ | _____ | _____. |
| intrados/ribs: | Concrete | Smooth | _____. |
| voussoirs: | Concrete | Etched & Pebbled | _____. |

17. PHOTO NO's.

06-25 (33-37)

18. PREPARED BY:

AGENCY/ORGANIZATION: Dist. 6-0

; DATE: 1-3-83

Survey Number: C-28

Bridge Name and Address: City Line Avenue Bridge
L.R. 67009 over East Branch of
Indian Creek
Philadelphia County

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

Statement of Significance: City Line Avenue Bridge is a very fine example of an early, highly embellished urban concrete bridge. Built in 1913, this solid barrel arch bridge is ornamental in both configuration and detailing. The massive structure is approached on curving wing walls, which are capped with detailed balustraded parapets. Surface treatment of the solid concrete walls is a simple rusticated design intended to simulate stone. Many late nineteenth and early twentieth century concrete bridges were given surface treatments which attempted to make them look like stone bridges but few such bridges feature such a high degree of ornamentation. In the case of City Line Avenue Bridge, simple courses have been articulated and the arch rings are incised to represent voussoirs with a projecting keystone.

Area of Significance: Engineering

Boundary Description: The nominated property consists of a 80 feet long by 68 feet wide rectangle whose verticies 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.