

9. HISTORICAL DATA

1. County Philadelphia
 2. Municipality Philadelphia
 3. Structure No. 6712012916101051911
 4. Survey Code 111 C-30
 5. Present Name Holme Avenue Bridge
 6. Other Name (historic name if any) Holme Ave. Bridge
 7. Crossing Holme Ave. over Wooden Bridge Run

8. USGS QUAD. Frankford PA

UTM's: Zone 18
 E 4 9 8 0 0 0
 N 4 4 3 3 8 0 0
 E
 N

Designer/Engineer:

Unknown

Builder/Contractor:

Boner, C.P.

Bridge Company:

Unknown

Date(s): 1921; basis

Plaque on Bridge

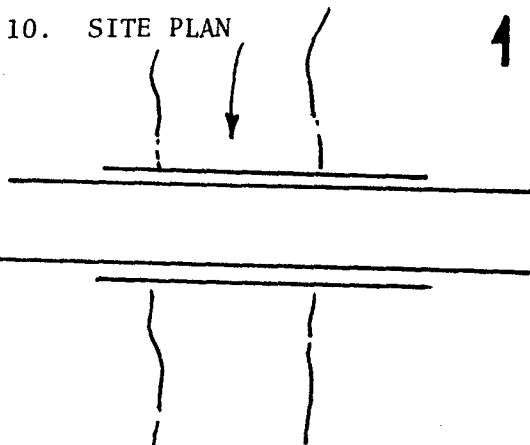
_____ ; basis

_____ ; basis

_____ ; basis

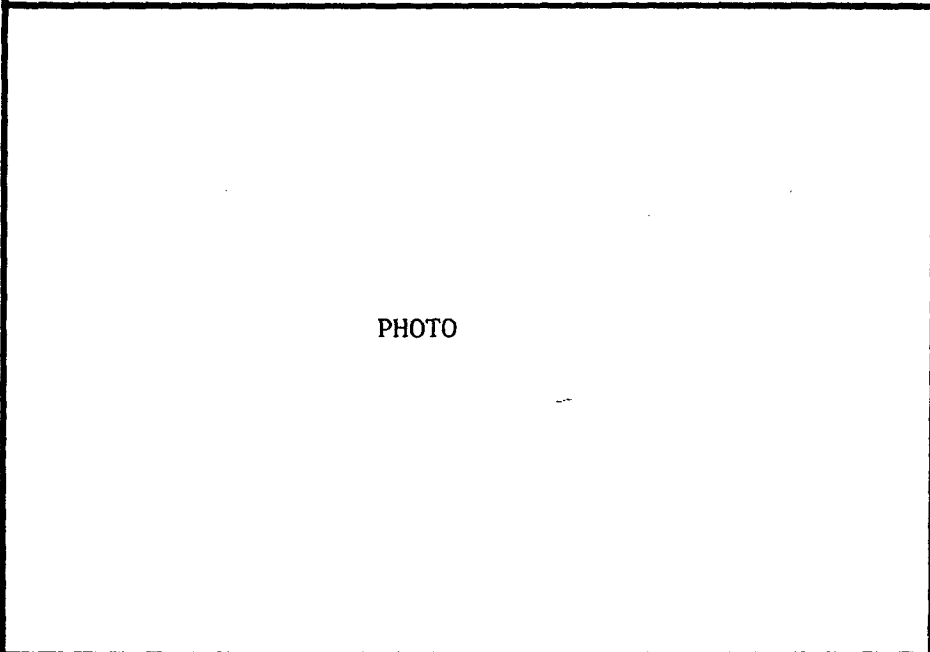
Use: Vehicular present; Vehicular original.

10. SITE PLAN



12. VIEW

no.



11. INTEGRITY

___ altered; _____.

unaltered; _____.

___ moved; _____.

Explain:

13. COMMENTS

Unusual features:

Large massive concrete

Locale/environment:

Urban

Machinery (describe/identify type/equipment):

N/A

14. DIMENSIONS

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

main: 1 no., 80 ft.

secondary: ___ no., ___ ft.

approach: ___ no., ___ ft.

piers: ___ no.

towers: ___ no., ___ ft.

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	_____	_____
towers:	_____	_____	_____
railings:	Concrete	Parapet w/recessed panels and pebbled	_____
Substructure			
piers:	_____	_____	_____
abutments:	Concrete	Smooth	_____
wings:	Concrete	Etched & Pebbled	_____
intrados/ribs:	Concrete	Smooth	_____
voussiors:	Concrete	Etched	_____

17. PHOTO NO's.

06-26 (29-37)

18. PREPARED BY:

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

Survey Number: C-30

Bridge Name and Address: Holme Avenue Bridge
L.R. 67296 over Wooden Bridge Run
Philadelphia County

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

Statement of Significance: The Holme Avenue Bridge is a good example of an urban concrete bridge embellished to imitate stone. Concrete arch bridges in cities or parks were often designed with voussoirs of molded concrete and rusticated or bush-hammered spandrel walls because designers felt the need to embellish the stark appearance of the concrete. Several of these embellished concrete arches were built in Philadelphia (C-28, C-29, C-30 and C-31). The Holme Avenue Bridge was built in 1921 with an arch span of 80 feet. By the third decade of the twentieth century there were many methods for finishing concrete surfaces. Slightly green concrete, a term applied to concrete when the forms were removed before the concrete was completely cured, could be washed and brushed or other means could be used to expose some of the aggregate on the surface. The Holme Avenue Bridge features spandrel and abutment wall rustication, molded parapets, and mildly exposed aggregate surfaces.

Area of Significance: Engineering

Boundary Description: The nominated property consists of a 140 feet long by 69 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.

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Philadelphia County

Run 4 (C-30)

Zone 18

E 498000 N 4433800

Frankford Ave. over Pennypack Ck.
Philadelphia County

Zone 18

E 498220 N 4432380



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