

9. HISTORICAL DATA

8. USGS QUAD. Phoenixville

UTM's: Zone 18

E	4	5	6	3	7	0
N	4	4	4	5	3	0
E						
N						

Designer/Engineer:

Unknown

Builder/Contractor:

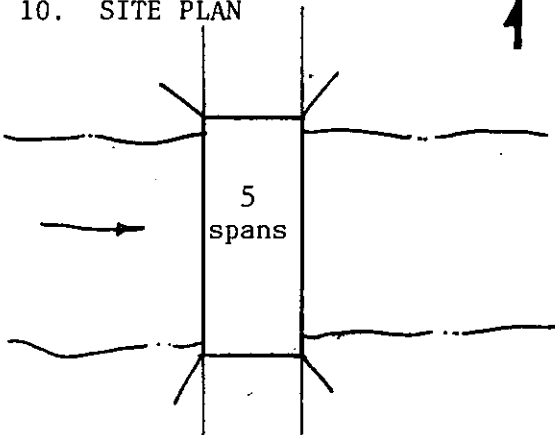
Wagman, G. A. and F.M.

Bridge Company:

Unknown

10. SITE PLAN

4



Date(s): 1927; basis

Plaque on Bridge

_____ ; basis

_____ ; basis

_____ ; basis

Use: Vehicular present; Vehicular original.

11. INTEGRITY

altered; _____

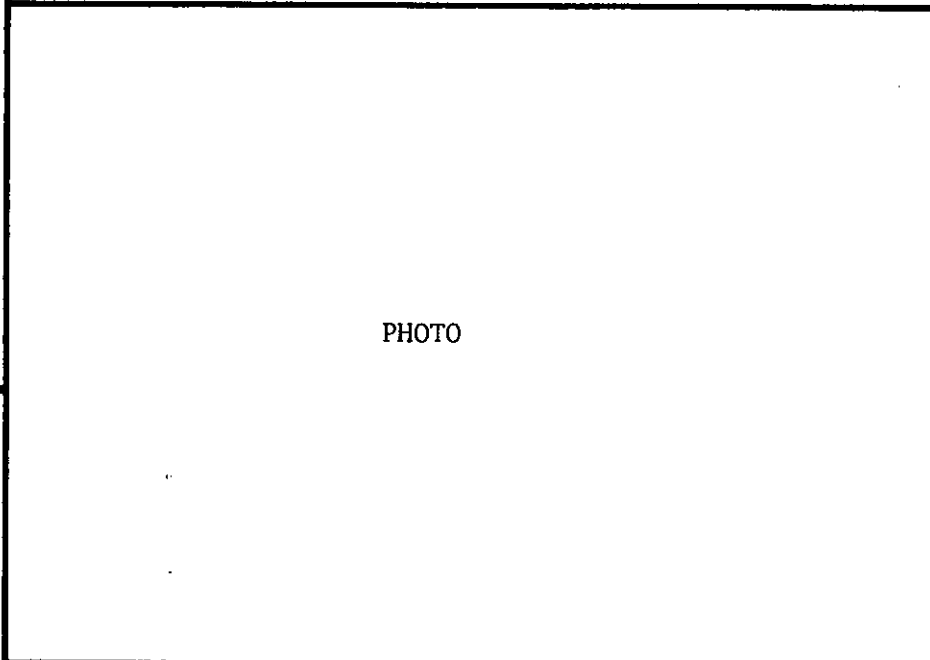
x unaltered; _____

moved; _____

Explain:

12. VIEW

no.



13. COMMENTS

Unusual features:

Sidewalk on East side with Concrete light posts.

Locale/environment:

Semi-rural, woods on South, farmland on North
 Adjacent to county park

Machinery (describe/identify type/
 equipment):

14. DIMENSIONS

spans: 5 no., 554 ft. 0/A

main: 3 no., 116 ft.

secondary: 2 no., 103 ft.

approach: _____ no., _____ ft.

piers: _____ no.

towers: _____ no., _____ ft.

1. County Montgomery
 Chester
 2. Municipality Upper Merionette
~~Phoenixville~~ Borosheeler
 3. Structure No. 115 | 11 | 10 | 1027 | D | 10 | 10 | 8 | 6 | 5 | 2 | 3
 4. Survey Code 111
 5. Present Name Black Rock Bridge
 6. Other name (historic name if any) Leaps
 7. Crossing T.R. 113 over Schuylkill River
 C-10

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	_____	_____
Substructure			
piers:	Concrete	_____	_____
abutments:	Concrete	_____	_____
wings:	_____	_____	_____
intrados/ribs:	Concrete	_____	_____
voussoirs:	Concrete	_____	_____

17. PHOTO NO's.

06-31 (19-28)

18. PREPARED BY:

AGENCY/ORGANIZATION: Dist. 6-0
; DATE: 11-3-82

Survey Number: C-10

Bridge Name and Address: Black Rock Bridge
L. R. 270 over Schuylkill River
Chester County and Montgomery
County

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

Statement of Significance: Black Rock Bridge is a typical example of a multiple span open-spandrel arch bridge. It was built in 1927 and consists of three arches which span 116 feet and two arches with spans of 103 feet. The bridge features two heavily structured arch ribs and simple ornamentation. The continuous solid concrete parapet walls are molded into a series of panels and simple concrete light posts top each pier. Black Rock Bridge is one of fifteen open-spandrel bridges, built between 1906 and 1930, included in this nomination. As an unaltered bridge, it is an exceptionally well preserved example of this multi-span concrete bridge type that was often used in southeastern Pennsylvania.

Area of Significance: Engineering

Boundary Description: The nominated property consists of a 582 feet long by 29 feet wide rectangle whose vertices coincide with the outside corners of the bridge's abductments, and includes only superstructure and substructure.

Acreage of Nominated Property: Less than one acre.