

NATIONAL REGISTER

PENNSYLVANIA HISTORIC RESOURCE SURVEY FORM

Bureau for Historic Preservation Box 1026
PA Historical & Museum Commission Harrisburg, PA 17120

9. HISTORICAL DATA

8. USGS QUAD. Distant

UTM's: Zone 17

E 6 | 3 | 7 | 8 | 0 | 0

N 4 | 5 | 3 | 2 | 8 | 4 | 0

E | | | | | |

N | | | | | |

Designer/Engineer:

Unknown

Builder/Contractor:

Unknown

Bridge Company:

Concrete Steel Bridge Co.

Date(s): 1922 ; basis Inspection File

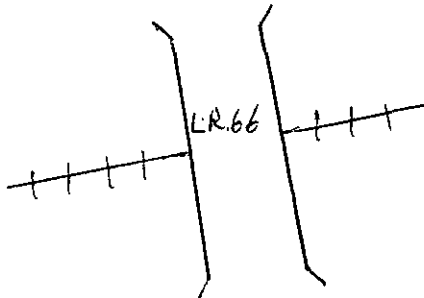
_____ ; basis

_____ ; basis

_____ ; basis

Use: Vehicular present; Vehicular original.

10. SITE PLAN



12. VIEW

no.

PHOTO

11. INTEGRITY

altered; 1975

unaltered; _____

moved; _____

Explain:

Parapets replaced as well as deck.

13. COMMENTS

Unusual features:

N/A

Locale/environment:

Rural area

Machinery (describe/identify type/equipment):

N/A

14. DIMENSIONS

spans: 3 no., 220 ft. O/A

main: 1 no., 128 ft.

secondary: _____ no., _____ ft.

approach: 2 no., _____ ft.

piers: _____ no.

towers: _____ no., _____ ft.

1. County ARMSTRONG	2. Municipality Mahoning Twp.	3. Structure No. 0 3 1 0 0 6 6 0 0 6 2 4 2 4	4. Survey Code 10-111 C-2
5. Present Name Colwell Cut Viaduct	6. Other Name (Historic name if any) Hogback Hill Bridge	7. Crossing L.R. 66 over Pitt. & Shawmut RR	

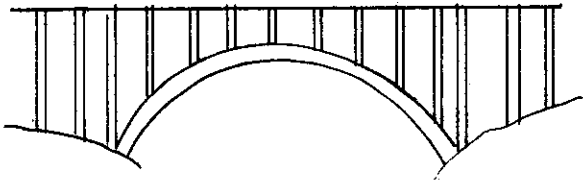
15. TYPE

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:



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/Rail.
 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:	R. Conc.	Smooth	_____
wings:	Concrete	Smooth	_____
intrados/ribs:	_____	_____	_____
voussiors:	_____	_____	_____

17. PHOTO NO's.

10(03)10 - 35 & 36.
 10(03)11 - 02 through 05

18. PREPARED BY: T.R. Sitler

AGENCY/ORGANIZATION: PennDOT
 ; DATE: 07-12-82

Survey Number: C-2

Bridge Name and Address: Colwell Cut Viaduct
L.R.66 over Pittsburgh & Shawmut RR
Armstrong County

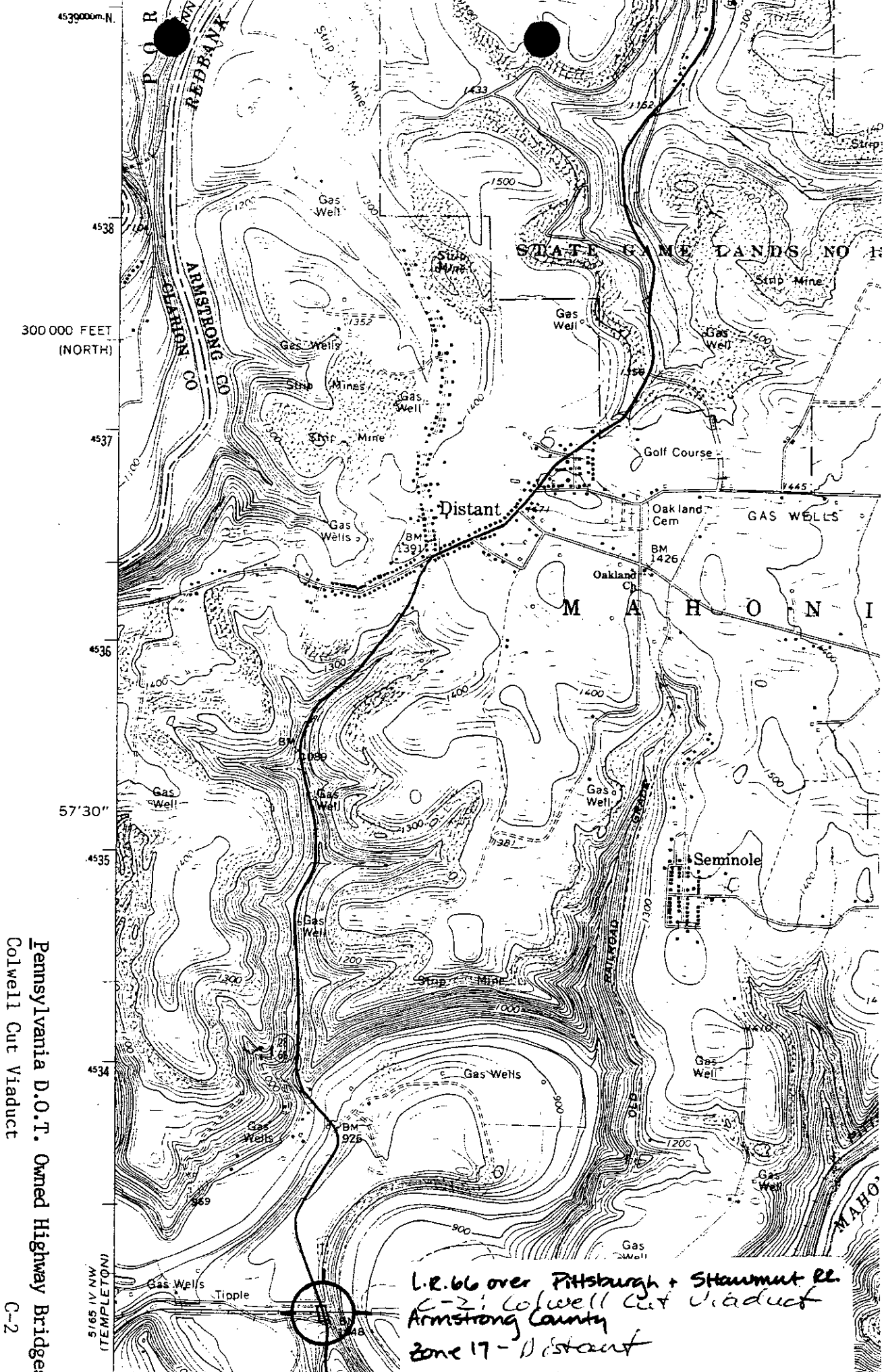
Owner: Commonwealth of Pennsylvania
Department of Transportation
Transportation & Safety Building
Harrisburg, Pennsylvania 17120

Statement of Significance: The Colwell Cut Viaduct is a typical example of an open-spandrel concrete arch bridge. It was built in 1922 by the Concrete Steel Bridge Company of Clarksburg, West Virginia. The arch of the Colwell Cut Viaduct measures 128 feet long, which is a moderate length in the range of the 40 feet to 200 feet long arches of the open-spandrel arches in this nomination. This bridge is unusual in the nominated group for its location. It is one of only four nominated concrete arch bridges in western Pennsylvania, and one of only a few of the nominated bridges to exemplify this frequently used concrete bridge type in western Pennsylvania.

Area of Significance: Engineering

Boundary Description: The nominated property consists of a 250 feet long by 23 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: Less than one acre.



Pennsylvania D.O.T. Owned Highway Bridges,
 Colwell Cut Viaduct
 C-2

L.R. 66 over Pittsburgh + Staunton Rl.
 C-2; Colwell Cut Viaduct
 Armstrong County
 Zone 17 - Distant

453900m. N
 4538
 300 000 FEET
 (NORTH)
 4537
 4536
 57'30"
 4535
 4534
 (INDOLEPTAL)
 W/ N/ V/ 5915