

9. HISTORICAL DATA

8. USGS QUAD. Boyertown, PA

UTM's: Zone 18

E	4	4	4	5	8	0
N	4	4	6	3	2	6
E						
N						

Designer/Engineer:

Davis, N. M.

Builder/Contractor:

Willauer & Co.

Bridge Company:

Unknown

Date(s): 1907 basis PennDOT Records

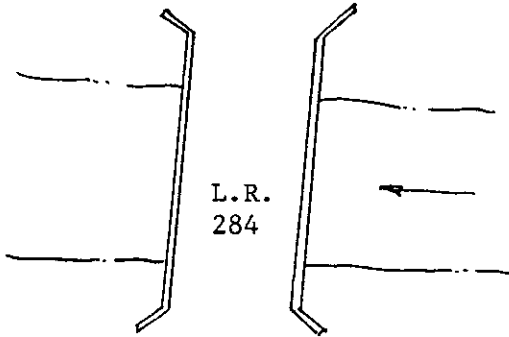
1907; basis Plaque on Bridge

_____ ; basis

_____ ; basis

Use: Vehicular present; Vehicular original.

10. SITE PLAN



12. VIEW

no.

PHOTO

11. INTEGRITY

altered; _____
 x unaltered; _____
 moved; _____

Explain:

13. COMMENTS

Unusual features:

Parapet sections are keyed - interlocked

Locale/environment:

Rural, Residential

Machinery (describe/identify type/equipment):

N/A

14. DIMENSIONS

spans: _____ no., 104 ft. O/A

main: 1 no., 50 ft.

secondary: _____ no., _____ ft.

approach: _____ no., _____ ft.

piers: _____ no.

towers: _____ no., _____ ft.

1. County BERKS	2. Municipality Douglass Township	3. Structure No. 0061002840	4. Survey Code 05-111
5. Present Name Ironstone Br.	6. Other name (historic name) N/A	7. Crossing Farmington Ave. over Ironstone Creek	

15. TYPE

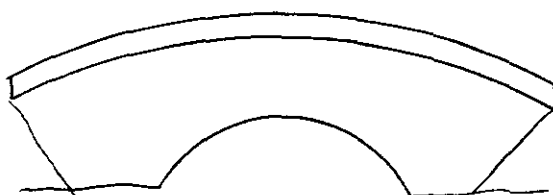
CHARACTERISTICS

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: Concrete
- 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 None



Suspension: PLAQUE
Ironstone Bridge
Built 1907

- stiffening: braced-chain (1/2/3-hinged) /suspended truss.
- wire cable: twisted/parallel.
- eyebar chain.
- back-stay: straight/curved.

James F. Fisher, James M. Yerger,
C.B. Cleaver - County Commissioners

Bascule

- single/double leaf.
- rolling lift: Schertzer.
- trunnion: simple (Chicago) /multiple (Strauss).
- counterweights: heel/overhead.
- Page/Rail.
- semi-lift/direct lift.

N. M. Davis, C. E. Engineer
J.J. Eshelman Inspector
Williams Co. Contractor

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:	<u>Concrete</u>	<u>Smooth</u>	_____
towers:	_____	_____	_____
railings:	<u>Concrete</u>	<u>Scored</u>	_____
Substructure			
piers:	_____	_____	_____
abutments:	_____	_____	_____
wings:	_____	_____	_____
intrados/ribs:	<u>Concrete</u>	<u>Smooth</u>	_____
voussiors:	_____	_____	_____

17. PHOTO NO's.

05-05 (17-22)

18. PREPARED BY: R.J. Baransky
AGENCY/ORGANIZATION: PennDOT
; DATE: 07-07-82

Survey Number: C-7

Bridge Name and Address: Ironstone Bridge
L.R. 284 over Ironstone Creek
Berks County

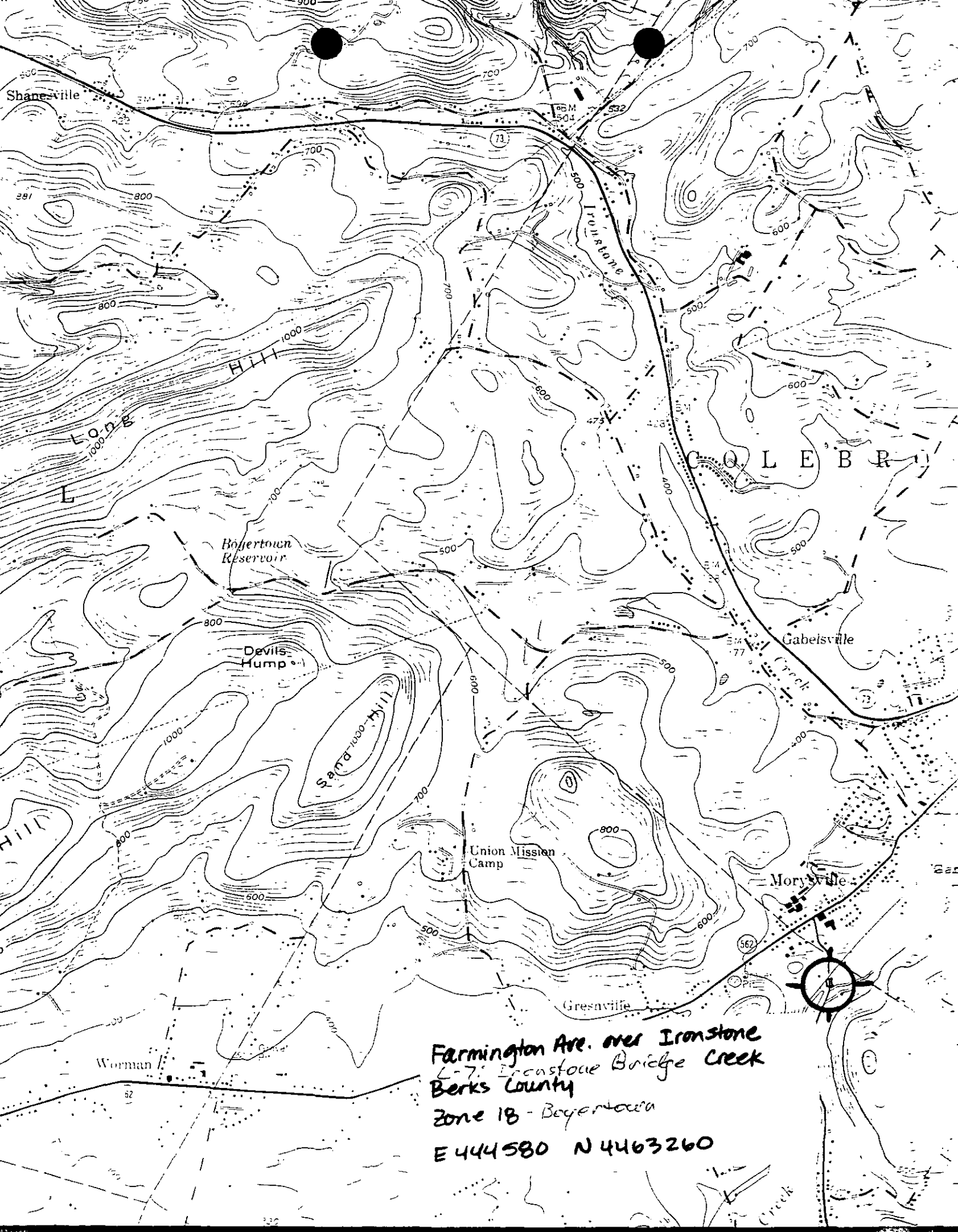
Owner: Commonwealth of Pennsylvania
Department of Transportation
Transportation & Safety Building
Harrisburg, Pennsylvania 17120

Statement of Significance: Ironstone Bridge is a representative example of an early twentieth century concrete arch bridge. Built in 1907, this single span arch bridge is one of fifteen concrete, solid barrel arches in this nomination; construction dates for this general type range from 1895 to 1930. The span of the Ironstone Bridge arch is moderate, measuring 50 feet long. The continuous concrete parapet is simply ornamented with incised lines, a feature typical of simple span early twentieth century concrete highway bridges. As an unaltered bridge, it is an exceptionally well preserved representative of this early type of concrete bridge.

Area of Significance: Engineering

Boundary Description: The nominated property consists of a 104 feet long by 25 feet wide rectangle whose vertices coincide with the outside corners of the bridge's railings, and includes only superstructure and substructure.

Acreage of Nominated Property: Less than one acre.



Farmington Ave. over Ironstone
L-7: Ironstone Bridge Creek
Berks County
Zone 18 - Boyertown
E 444580 N 4463260