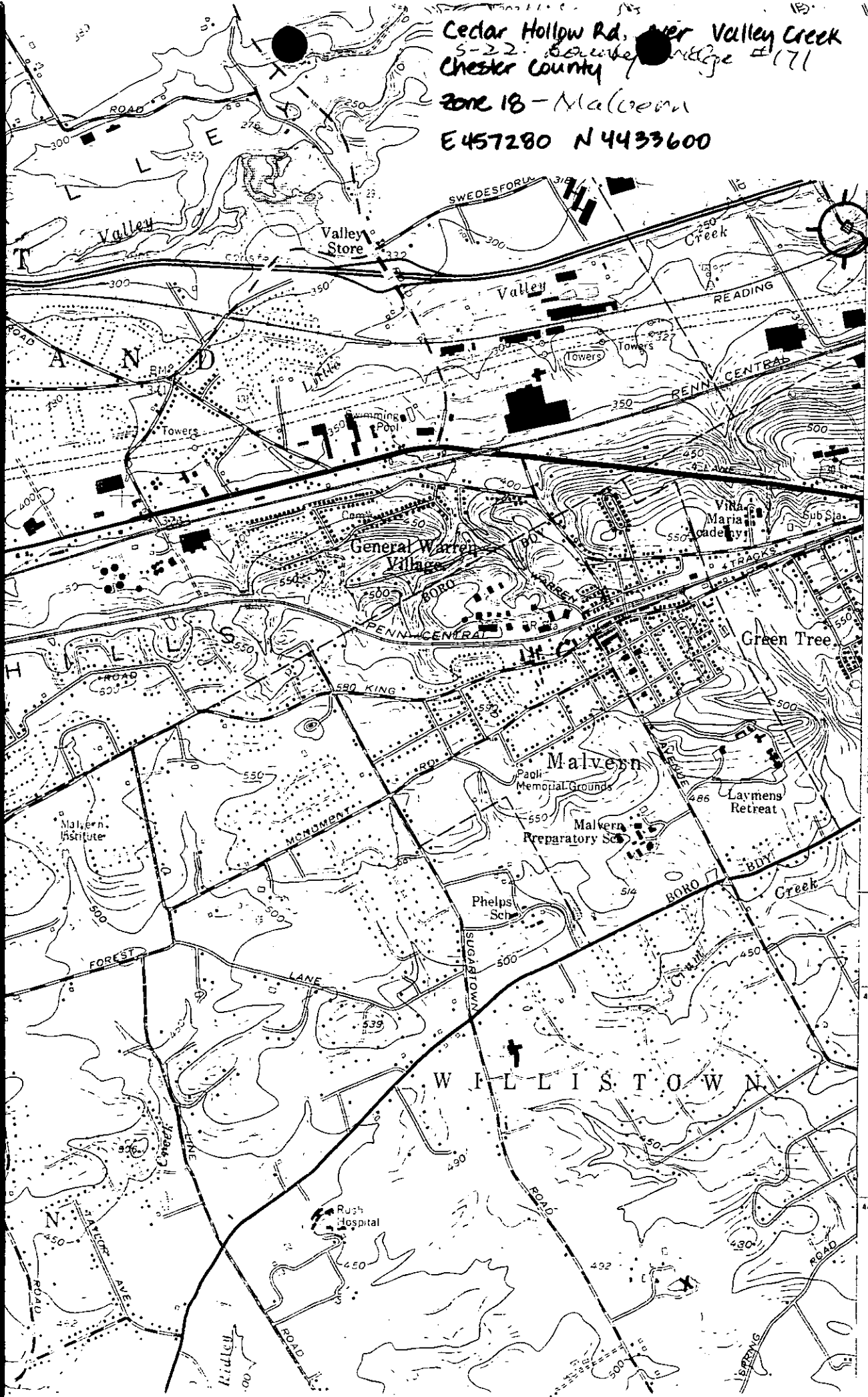


Cedar Hollow Rd. over Valley Creek
S-22: Berenby Bridge #171
Chester County
Zone 18 - Malvern
E 457280 N 4433600

VALLEY FC
5964 III
NORRISTOWN MI

Pennsylvania D.O.T. Owned Highway Bridges
Bridge # D1
S-22



PAOLI 0.9 MI
PHILADELPHIA (CITY HALL) 20 MI.

4432

PAOLI 1.1 MI
NORRISTOWN 11 MI.

4430

4429

Survey Number: S-22

Bridge Name and Address: Bridge #171
L. R. 15215
Chester County

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

Statement of Significance: Chester County Bridge #171 was built in 1907 by local contractors, P. J. McCormick & Sons. Like two other bridges designed by the McCormick Firm Brower's Bridge (S-21), and Marshall's Bridge (S-16), this bridge was constructed with coursed rubble, brick arch rings and contrasting parapet coping stones. These three bridges are the few stone arch bridges with brick arch rings in the nominated group. In overall form and configuration the bridges is similar to 19th century highway bridges. It exhibits high quality of design and instruction and retains excellent integrity.

Area of Significance: Engineering.

Boundary Description: The nominated property consists of a 100 feet long by 25 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.

9. HISTORICAL DATA

8. USGS QUAD. Malvern

UTM's: Zone 18

E	4	5	7	2	8	0
N	4	4	3	3	6	0
E						
N						

Designer/Engineer:

Unknown

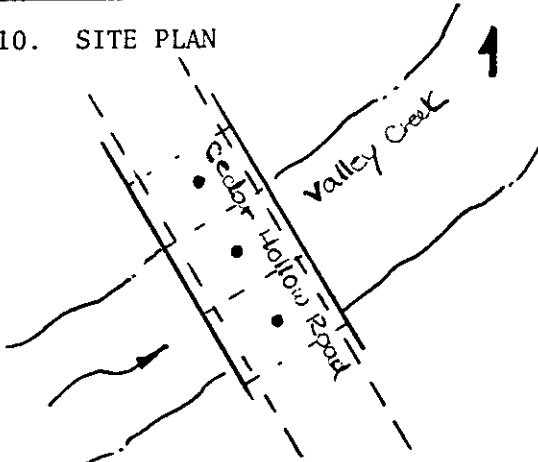
Builder/Contractor:

P. J. McCormick & Sons

Bridge Company:

Unknown

10. SITE PLAN



Date(s): 1907; basis

Plaque on bridge

_____ ; basis

_____ ; basis

_____ ; basis

Use: present; original.

11. INTEGRITY

___ altered; _____
 ___unaltered; _____
 ___ moved; _____

Explain:

12. VIEW

no.

PHOTO

13. COMMENTS

Unusual features:

Center span larger
Brick intrados and voussiors
voussiors

Locale/environment:

Isolated suburban, wooded area

Machinery (describe/identify type/
equipment):

14. DIMENSIONS

spans: 3 no., 55 ft. ^{100'} O/A
 main: 1 no., 25 ft.
 secondary: 2 no., 15 ft. EA
 approach: ___ no., ___ ft.
 piers: ___ no.
 towers: ___ no., ___ ft.

1. County	Chester
2. Municipality	Tredyffrin Township
3. Structure No.	15209211510106681010
4. Survey Code	811 S-22
5. Present Name	Cedar Hollow Road over Valley Creek
6. Other name (historic name if any)	Cedar Bridge #171
7. Crossing	over

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/Roll.
 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:	Masonry	Random	_____
towers:	_____	_____	_____
railings:	_____	_____	_____
Substructure			
piers:	Masonry	Random	_____
abutments:	_____	_____	_____
wings:	Masonry	Random	_____
intrados/ribs:	Brick	_____	_____
voussoirs:	Brick	_____	_____

17. PHOTO NO's.

06-42 (2-6)

18. PREPARED BY:

AGENCY/ORGANIZATION: District 6-0

; DATE: 11/12/82