

9. HISTORICAL DATA

8. USGS QUAD. Elverson ~~18~~

UTM's: Zone 18

E | 4 | 3 | 4 | 4 | 6 | 0

N | 4 | 4 | 4 | 4 | 2 | 0 | 0

E | | | | | | |

N | | | | | | |

Designer/Engineer:

Unknown

Builder/Contractor:

P.J. McCormick & Sons

Bridge Company:

Unknown

Date(s): 1904 ; basis Plaque on Bridge

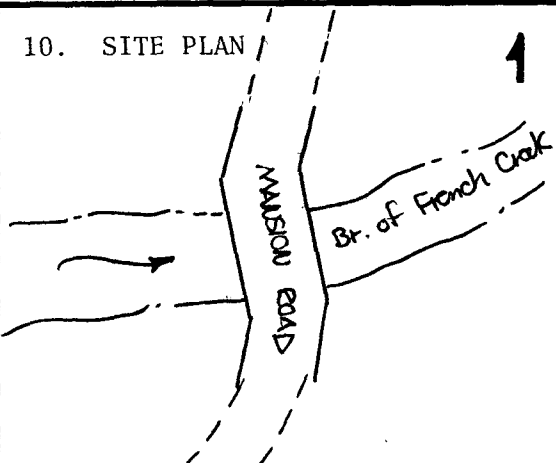
_____ ; basis

_____ ; basis

_____ ; basis

Use: Vehicular present; Vehicular original.

10. SITE PLAN



11. INTEGRITY

_____ altered; _____.

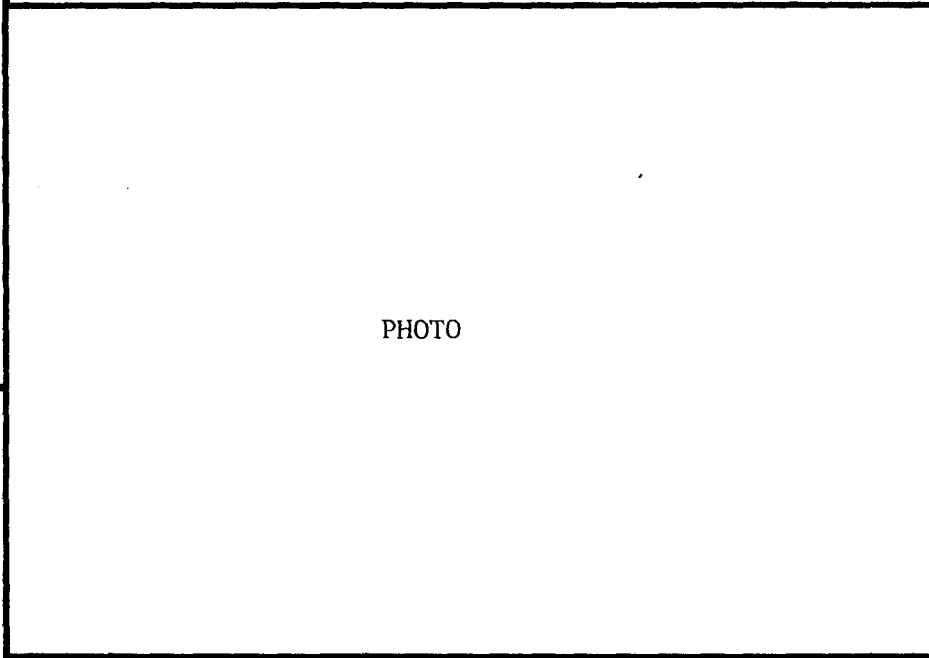
unaltered; _____.

_____ moved; _____.

Explain:

12. VIEW

no.



PHOTO

13. COMMENTS

Unusual features:

Wingwalls skewed

Slate parapet cap

Locale/environment: Rural. Near large attractive stone farm house and out buildings

Machinery (describe/identify type/equipment):

14. DIMENSIONS

spans: _____ no., 100 ft. O/A

main: 1 no., 25 ft.

secondary: _____ no., _____ ft.

approach: _____ no., _____ ft.

piers: _____ no.

towers: _____ no., _____ ft.

1. County Chester	2. Municipality Warwick East Nantmeal Twp.	3. Structure No. 115121010119151910037514	4. Survey Code 811 S-21
5. Present Name Brower's Bridge	6. Other name (historic name if any) Browers Bridge	7. Crossing Mansion Road	over Br. of French 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: _____
- 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/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:	<u>masonry</u>	<u>random</u>	_____
towers:	_____	_____	_____
railings:	_____	_____	_____
Substructure			
piers:	_____	_____	_____
abutments:	_____	_____	_____
wings:	<u>masonry</u>	<u>random</u>	_____
intrados/ribs:	<u>brick</u>	<u>4 rows thick</u>	_____
voussoirs:	<u>brick</u>	_____	_____

17. PHOTO NO's.
06-32 (16-22)

18. PREPARED BY:
AGENCY/ORGANIZATION: District 6-0
; DATE: November 3, 1982

Survey Number: S-21

Bridge Name and Address: Brower's Bridge
L.T. 15126
Chester County

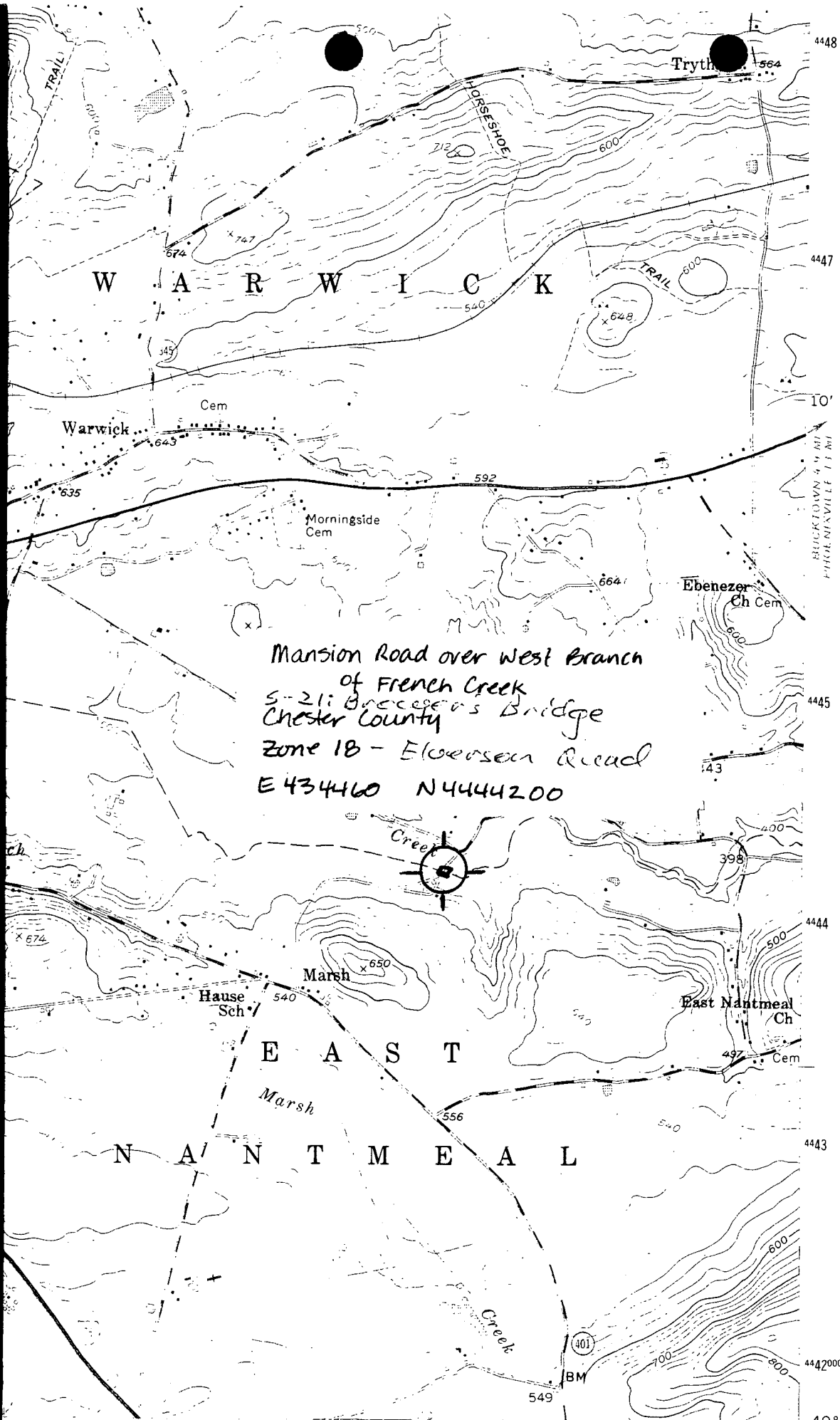
Owner: Commonwealth of Pennsylvania
Department of Transportation
Transportation & Safety Building
Harrisburg, Pennsylvania 17120

Statement of Significance: Brower's Bridge is an unusual early twentieth century stone bridge built by local contractor P. J. McCormick and Sons. Similar in style and materials to Marshall's Bridge (S-16), and Chester County #171 (S-22), Brower's Bridge was built one year later, in 1904. Both bridges were constructed of coursed rubble with brick arch rings and contrasting parapet coping stones and represent high quality of design and construction. These three bridges are the few stone arch bridges with brick arch rings in the nominated group. In overall form and configuration they are similar to nineteenth century highway bridges.

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.



Mansion Road over West Branch
of French Creek
S-21; Breese's Bridge
Chester County
Zone 1B - Elverson Road
E 434460 N 4444200

Pennsylvania D.O.T. Owned Highway Bridges
Brower's Ridge
S-21