



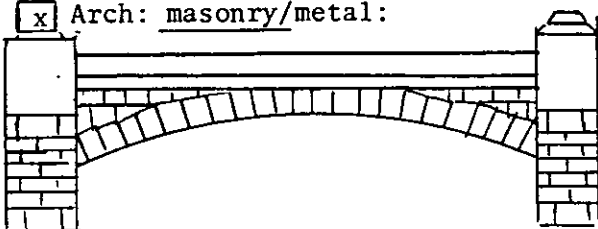
15. TYPE

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>Stone/Concrete</u> ;	<u>Large ashlar, coarse, regular/smooth</u>	_____
towers:	_____;	_____;	_____
railings:	<u>Handrail</u> ;	<u>Aluminum</u>	_____
<b>Substructure</b>			
piers:	<u>Stone/Concrete</u> ;	<u>Large ashlar, coarse, regular/smooth</u>	_____
abutments:	<u>Stone</u> ;	<u>Large ashlar, coarse, regular</u>	_____
wings:	<u>Stone</u> ;	<u>Large ashlar, coarse, regular</u>	_____
intrados/ribs:	<u>Stone/Concrete</u> ;	<u>Large ashlar, coarse, regular/smooth</u>	_____
voussiors:	<u>Stone</u> ;	<u>Radiating, alternating; large and small stone</u>	_____

17. PHOTO NO's.

Roll 30 08-30 (1-24)

18. PREPARED BY: Patricia Remy

AGENCY/ORGANIZATION: PennDOT

; DATE: 11-02-82

Survey Number: C-13

Bridge Name and Address: Market Street Bridge  
L.R. 34 over Susquehanna River  
Dauphin County & Cumberland County

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

Statement of Significance: The Market Street Bridge is an excellent example of a long-span monumental urban bridge. Built in 1928, this handsome bridge consists of sixteen 89 feet long barrel arches. The Market Street Bridge was designed by the engineering firm of Modjeski and Masters and a consulting architect, Paul Phillipe Cret. The sixteen low rise arch spans of this bridge, were built of concrete and faced with stone. Viewed in elevation, the stone-faced arches recall the 200 year tradition of building stone highway bridges in Pennsylvania. This bridge is located in Harrisburg and connects city park to the mainland. Its traditional and monumental quality is enhanced by the two ionic columns standing at the eastern approach. A plaque on the bridge informs that these columns were taken from the former state capitol which had been destroyed by fire in 1897. Another plaque describes the previous spans which served this crossing, timber covered spans designed by Theodore Burr. The facing of the arches and piers is coursed rusticated ashlar with smoother ashlar used for the voussoirs and the spandrel walls. The massive round ended piers were originally topped with specially designed light standards. This bridge is an unusually long and finely ornamented structure among the nominated bridges. As usch it warrants listing on the National Register.

Area of Significance:

Engineering

Boundary Description:

The nominated property consists of a 1,495 feet long by 58 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:

Two acres.

County: Dauphin

Bridge Plaque Information (East Shore structure only):

1. North monument

Sketch  
Presidents

Thomas Elder 1812-1847

Henry McCormick 1871-1900

Jacob M. Haldeman 1847-1857

Henry McCormick, Jr. 1900-1910

James McCormick 1857-1871

Robert McCormick 1910-1918

Richard C. Haldeman 1918-

2. North monument

Ralph Modjeski and Frank M. Masters  
Engineers

Paul Philippe Cret  
Architect

James McGraw Company  
Contractor

3. North monument

This Bridge Completed  
Anno Domin 1928  
by  
The Harrisburg Bridge Company

Richard C. Haldeman, President

J. D. Spong, Secretary-Treasurer

Directors

J. M. Cameron

George E. Lloyd

Henry B. McCormick

George D. Cook

Vance C. McCormick

J. G. Bradley

Henry McCormick, Jr.

W. O. Hickok III

George W. Reilly

George A. Gorgas

N. E. Hause

Donald McCormick

4. North monument (redstone)

This bridge built  
by  
Theodore Burr  
1813 to 1817  
Cost 199,138 Dollars

## Sketch

The old State Capitol built MDCCCXIX-XX burned Feb 1 - MDCCCXVI

These columns from the red State Capitol Building have been erected here and the entrance to bridge has been constructed by the family of the late Colonel H McCormick under the direction of the Harrisburg Park Commission and the Civic Club of Harrisburg - AD MCMV

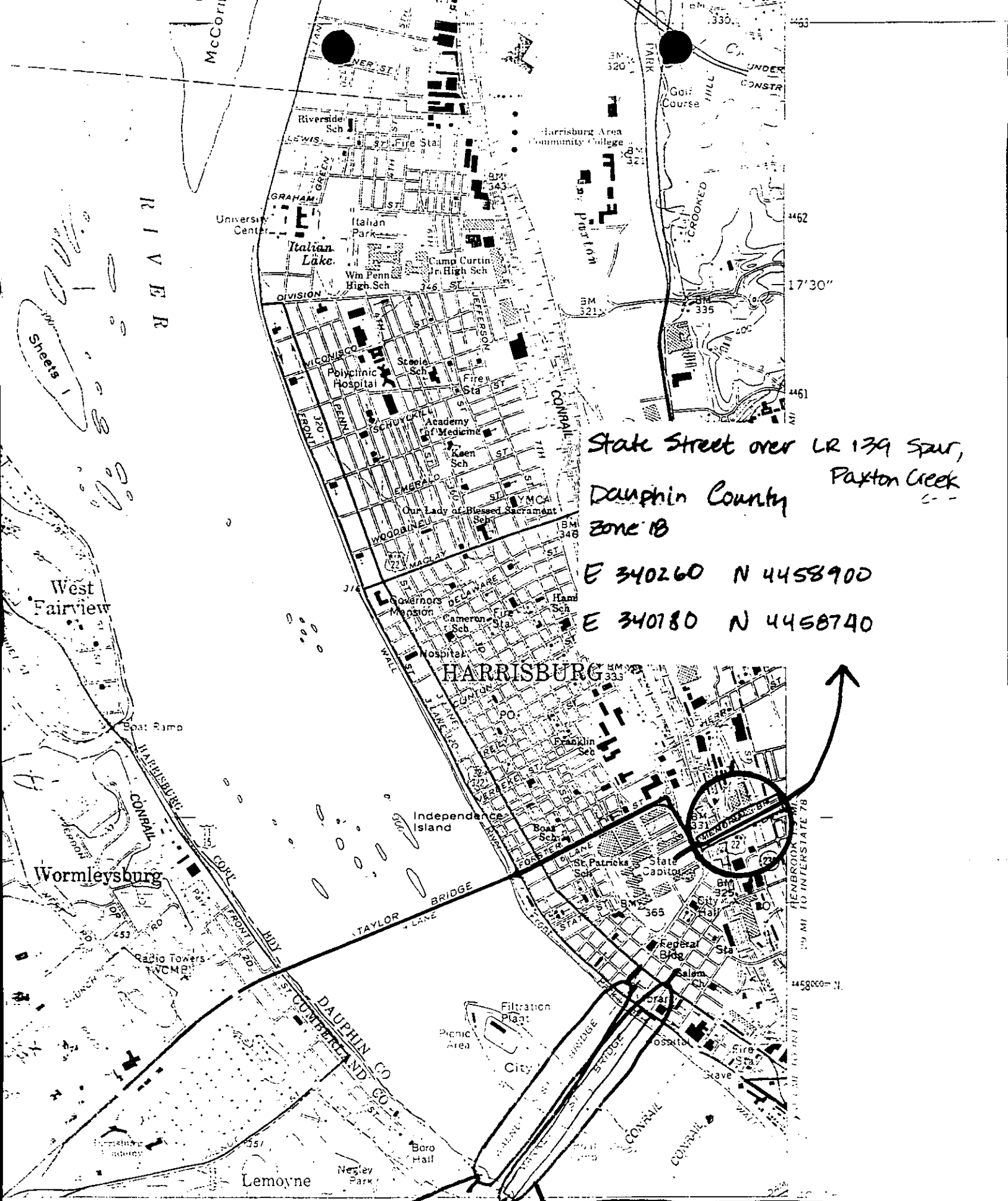
## 6. South monument

The Harrisburg Bridge Company Incorporated July VI, MDCCCXLL

The old camelback bridge was built by Theodore Burr at cost of 192,138 in MDCCCXIII - The first toll being taken Oct XVI-MDCCCXVL.

The east portion was destroyed by flood March XV-MDCCCXLVI was rebuilt and opened Sept. XX-MDCCCXLVII. Was destroyed by fire May XXV-MDCCCLXII and was rebuilt and reopened Nov. 1 - MDCCCLXVI

Both portions were destroyed by flood March II-MCMII The new bridge was opened Feb XXVII-MCMIV



State Street over LR 139 Spur,  
 Dauphin County  
 Zone 18

E 340260 N 4458900

E 340780 N 4458740

Walnut Street over Susquehanna  
 River  
 Dauphin County  
 Zone 18

Market St. over Susquehanna  
 River  
 Dauphin County  
 Zone 18