

PENNSYLVANIA HISTORIC RESOURCE SURVEY FORM
Bureau for Historic Preservation
PA Historical & Museum Commission

Box 1026
Harrisburg, PA 17120

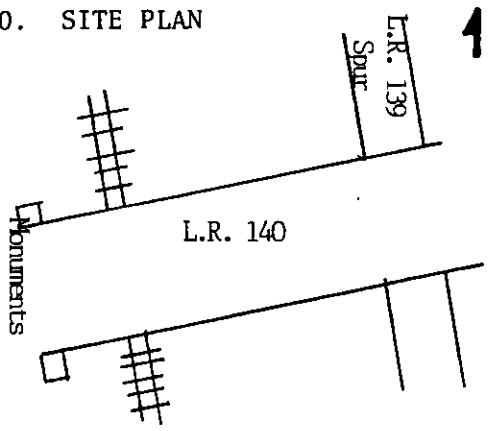
9. HISTORICAL DATA

1. County: Dauphin
2. Municipality: Harrisburg City
3. Structure No.: 2211101014410101b012816101
4. Survey Code: C-14
5. Present Name: Soldiers and Sailors Memorial Bridge
6. Other name (historic name if any): State Street Bridge
7. Crossing: L.R. 140 (State St.) over L.R. 139 Spur, Paxton Creek

8. USGS QUAD. Harrisburg West
UTM's: Zone 18
E 3 4 0 2 6 0
N 4 4 5 8 9 0 0
E 3 4 0 1 8 0
N 4 4 5 8 7 4 0

Designer/Engineer: Unknown
Builder/Contractor: Strayer, G. W.; McGraw
Bridge Company: Unknown

10. SITE PLAN



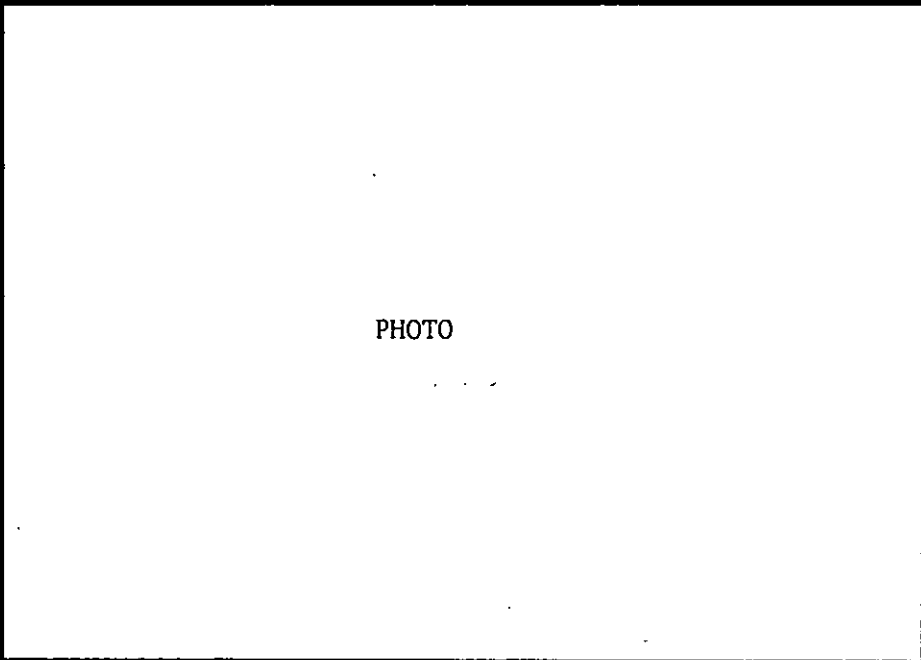
Date(s): 1930; basis Ozalide
_____; basis
_____; basis
_____; basis
Use: Vehicular present; Vehicular original.

11. INTEGRITY

altered; _____
xunaltered; _____
moved; _____

Explain:

12. VIEW West side no. 20



PHOTO

13. COMMENTS

Unusual features:
Monuments on Wend of bridge;
unusual Keystones at each
pier; tile work and concrete
work in intrados

Locale/environment: Urban;
overlooks State Capitol

Machinery (describe/identify type/
equipment):

N/A

14. DIMENSIONS

spans: 17no., 1312 ft. 0/A
main: 12no., 82 ft.
secondary: 3; 1; 1no., 72; 76; 36ft.
approach: no., ft.
piers: no.
towers: no., ft.

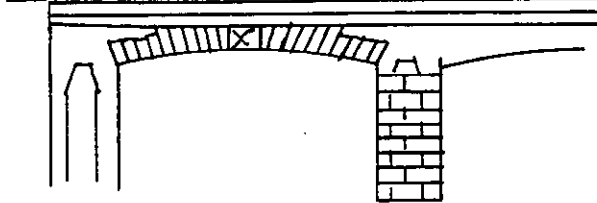
15. TYPE

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: solid parapet _____
- 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:	Concrete	Smooth; larger base	_____
Substructure			
piers:	Concrete	Smooth; blocked like stone	_____
abutments:	Concrete/Stone	Smooth; blocked like stone	_____
wings:	Concrete	Smooth; blocked like stone	_____
intrados/ribs:	Concrete	Smooth; diamond shape	_____
voussiors:	Concrete	Blocked; steeped; various	_____

symbols (cross-swords; propellers; war symbols)

17. PHOTO NO's.

08-15 (16-29)

18. PREPARED BY: Patricia A. Remy

AGENCY/ORGANIZATION: PennDOT

; DATE:

Survey Number: C-14

Bridge Name and Address: Soldiers & Sailors Memorial Bridge
L.R. 140 over Paxton Creek and
L.R. 139
Dauphin County

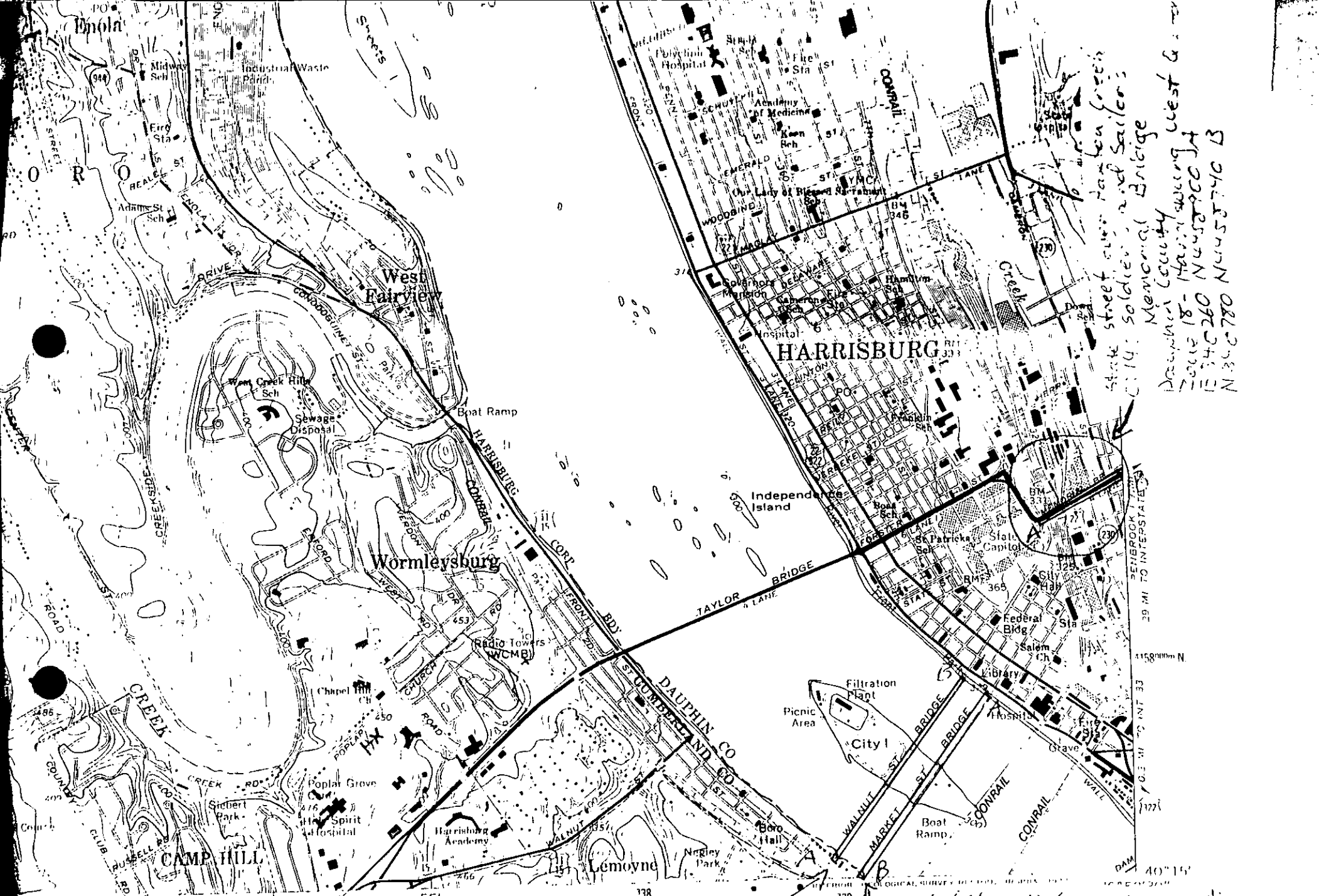
Owner: Commonwealth of Pennsylvania
Department of Transportation
Transportation & Safety Building
Harrisburg, Pennsylvania 17120

Statement of Significance: The Soldiers and Sailors Memorial Bridge is an excellent example of a long-span monumental, urban bridge. Built as a memorial to the men who fought in World War I, the Soldiers and Sailors Memorial Bridge carries State Street to the Capitol Plaza. Designed by John E. Greiner Company, engineers, and Gehron and Ross, architects, the main structure consists of seventeen reinforced concrete segmental arches. These arches are supported by reinforced concrete piers faced with granite and limestone. The concrete arches are scored to simulate stone. Begun in 1926, the 1,312 feet long structure was completed in 1930. The fortress-like quality of this massive concrete structure with its 300 feet high obelisks, evokes the military subject of the monument. Remarkable care was taken to design decorative military details throughout the bridge. The arch keystones, each formed in the shape of a different military object, exemplify the attention that was given to the design of this bridge.

Area of Significance: Engineering

Boundary Description: The nominated property consists of a 1,312 feet long by 76 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: Two acres.



state street over narrow creek
 City: Soldiers and Sailors
 Memorial Bridge
 Dauphin County
 Zone 18 - Harrisburg West Quad
 E 339740 N445780 A
 E 339740 N445740 B

Walnut Street over Susquehanna River
 T-19: Walnut Street Bridge River
 Dauphin County
 Zone 18 - Harrisburg West Quad
 E 339740 N4457066 A

Market St. over Susquehanna River
 1-13: Market Street Bridge
 Dauphin County
 Zone 18 - Harrisburg West Quad
 E 339740 N445780 A
 E 339740 N445740 B

