

9. HISTORICAL DATA

8. USGS QUAD. Womelsdorf, PA

UTM's: Zone 18

E 3 9 6 5 4 0

N 4 4 6 9 7 2 0

E

N

Designer/Engineer:

Unknown

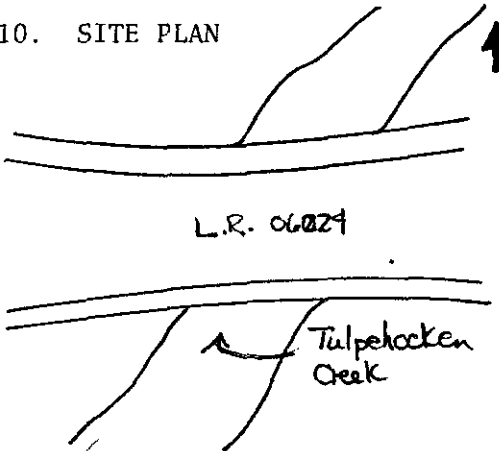
Builder/Contractor:

Unknown

Bridge Company:

Unknown

10. SITE PLAN



Date(s): 1919 ; basis

PennDOT Records

_____ ; basis

_____ ; basis

_____ ; basis

Use: Vehicular present; Vehicular original.

11. INTEGRITY

_____ altered; _____.

unaltered; _____.

_____ moved; _____.

Explain:

12. VIEW

no.

PHOTO

13. COMMENTS

Unusual features:

Jagged stone-topped parapet

Locale/environment:

Rural

Machinery (describe/identify type/
equipment):

14. DIMENSIONS

spans: 3 no., 230 overall ft. 0/A

main: 3 no., 22 ft.

secondary: _____ no., _____ ft.

approach: _____ no., _____ ft.

piers: _____ no.

towers: _____ no., _____ ft.

1. County	Berks
2. Municipality	Marion Township
3. Structure No.	06024
4. Survey Code	05-811 S-4
5. Present Name	"S" Bridge
6. Other name (historic name if any)	L.R. 06024
7. Crossing	over Tulpehocken Creek

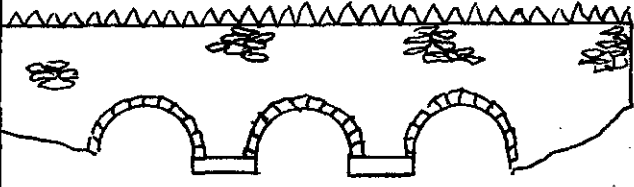
15. TYPE

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: Stone Masonry
- 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 none

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:	_____;	_____;	_____.
towers:	_____;	_____;	_____.
railings:	_____;	_____;	_____.
Substructure			
piers:	_____;	_____;	_____.
abutments:	_____;	_____;	_____.
wings:	_____;	_____;	_____.
intrados/ribs:	Stone	Rough Pointed	_____.
voussoirs:	Stone	Rough Pointed	_____.

17. PHOTO NO's.
05-08 (13-17)

18. PREPARED BY: R.J. Fink
AGENCY/ORGANIZATION: PennDOT
; DATE: 8-83

Survey Number: S-4

Bridge Name and Address: "S" Bridge
L.R. 06024 over Tulpehocken Creek
Berks County

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

Statement of Significance: The "S" Bridge in Berks County is a three span stone arch bridge constructed of rubble masonry. Both in construction and length of spans this bridge is a very well preserved representative of a return to earlier 19th century bridge design. The rubble masonry is generally found more in earlier 19th century bridges than in early 20th century bridges. The "S" Bridge also uses three fairly short spans to cross a fairly wide stream bed rather than the longer spans that were adopted for many bridges by the later 19th century. Both in site configuration and construction this twentieth century bridge imitates a type of nineteenth century Pennsylvania stone highway bridge. An unusual bridge type for twentieth century construction, this "S" bridge illustrates a twentieth century interpretation of a nineteenth century type and the continuation of a three century long bridge building tradition.

Area of Significance: Engineering.

Boundary Description: The nominated property consists of a 230 feet long by 30 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.

L.R. 024 over Tulpehocken ck.
Berks County

Zone 18 - Conneltsburg Quad
E 396540 N 4469720

578+ IV NE
(BETHEL)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

