

Survey Number: S-52

Bridge Name and Address: Bridge in Newport Borough
L.R. 31 over Little Buffalo Creek
Perry County

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

Statement of Significance: The bridge in Newport Borough is an unusual example of multi-span stone construction among the nominated bridges. Most builders of stone multi-span bridges ceased using short spans by the mid-nineteenth century and advanced to using considerably longer spans. This bridge, however, represents a 1929 throwback to much earlier bridge engineering. Its three very small spans are typical of 18th and early 19th century stone construction rather than early 20th century bridges.

Area of Significance: Engineering.

Boundary Description: The nominated property consists of a 80 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.

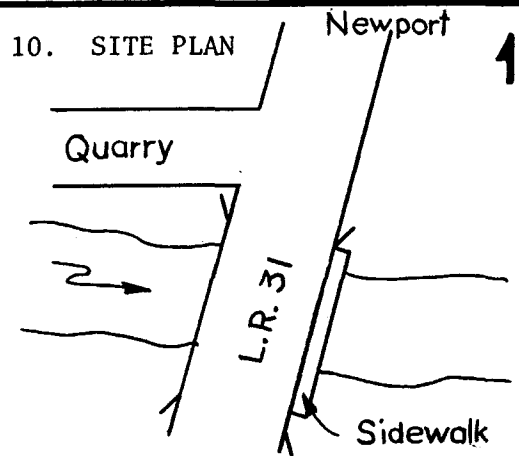
PENNSYLVANIA HISTORIC RESOURCE SURVEY FORM
 Bureau for Historic Preservation
 PA Historical & Museum Commission

Box 1026
 Harrisburg, PA 17120

9. HISTORICAL DATA
 None on bridge

USGS QUAD. Newport
 UTM's: Zone
 E | 3 | 1 | 9 | 4 | 3 | 0 |
 N | 4 | 4 | 8 | 2 | 3 | 7 | 0 |
 E | | | | | | | |
 N | | | | | | | |

Designer/Engineer: _____
 Builder/Contractor: _____
 Bridge Company: _____



Date(s): 1929; basis Ozalide
 _____; basis _____
 _____; basis _____
 _____; basis _____

Use: Vehicular present; Vehicular original.

11. INTEGRITY
 _____ altered;
Xunaltered;
 _____ moved;

Explain: E parapet repaired in center with concrete

12. VIEW Downstream no. 4



13. COMMENTS
 Unusual features:
 One arch smaller; piers different - one rounded bottom; other square bottom very neatly done. Stone work on voussoirs same size large flat stone, split rock.

Locale/environment: Residential/commercial (Quarry + Old Ice House); Newport Boro.

14. DIMENSIONS
 spans: 3 no., 70 ft. 0/A
 main: 2 no., 23 ft.
 secondary: 1 no., 18 ft. 180'
 approach: _____ no., _____ ft. w 25'
 piers: 2 no.
 towers: _____ no., _____ ft.

Machinery (describes/identifies type/equipment) used for coping; E parapet longer; E side cantilever sidewalk.

1. County Perry (D) 099
 2. Municipality Oliver Twp. + Newport Boro.
 3. Structure No. 50114010931101938227
 4. Survey Code
 5. Present Name L.R. 31 (Rt. 34)
 6. Other name (historical name, any) BORO
 7. Crossing L.R. 31 (Rt. 34) over Little Buffalo Creek

15. TYPE

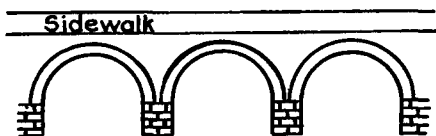
19

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: _____

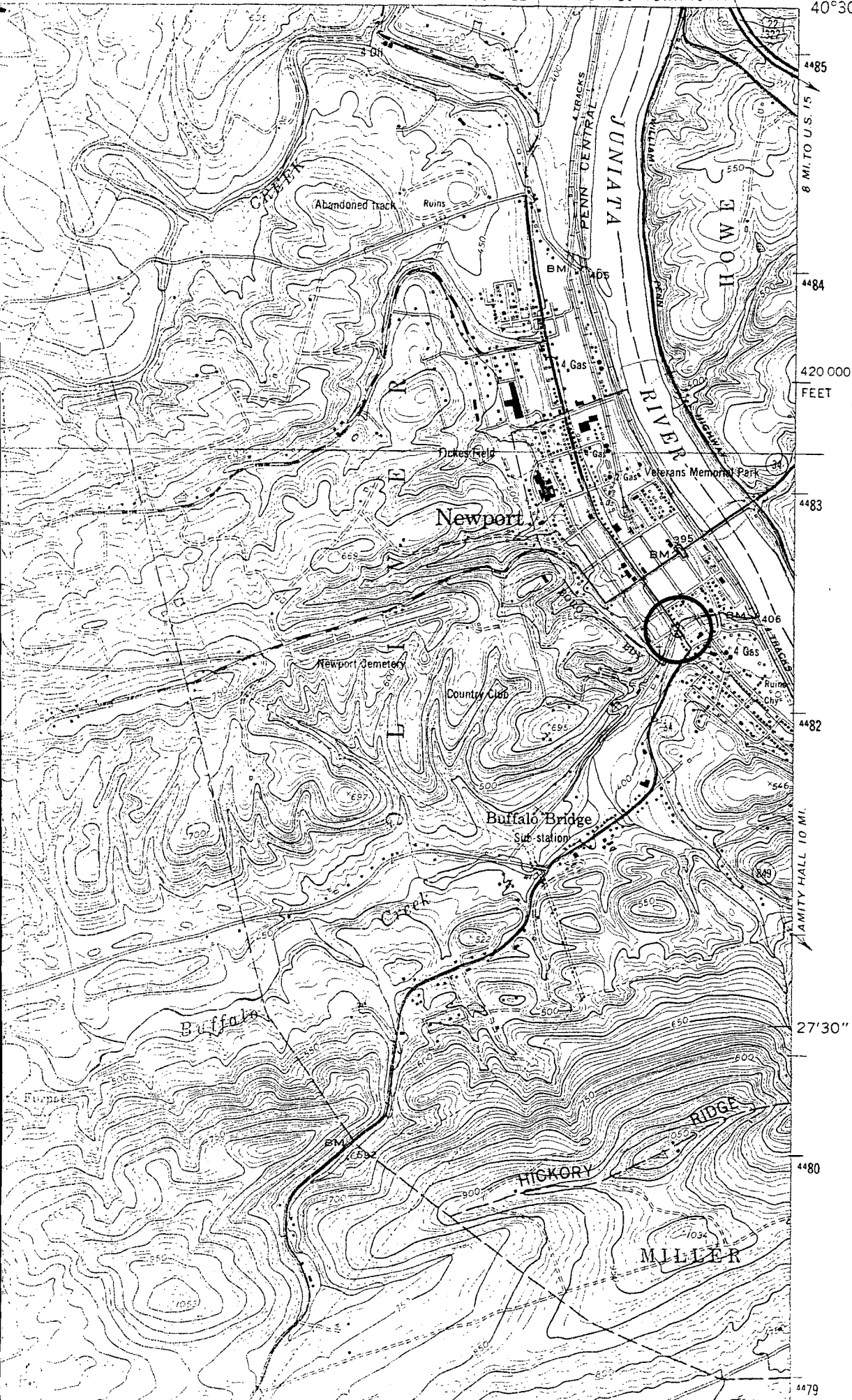
16. MATERIALS (primary) 02, 12, 16

Superstructure	type	treatment/finish	source
main span:	Stone	coarse ashlar	_____
towers:	_____	_____	_____
railings:	Stone	coarse ashlar with large split rock coping	_____
Substructure			
piers:	Stone	coarse ashlar	_____
abutments:	Stone	coarse ashlar	_____
wings:	Stone	coarse ashlar	_____
intrados/ribs:	Stone	coarse ashlar	_____
voussiors:	Stone	coarse ashlar	_____

17. PHOTO NO's.

08-06 (35-37) and
08-07 (1-8)

18. PREPARED BY: Michael Connolly
AGENCY/ORGANIZATION: PennDOT
DATE: 8-5-82



8 MI. TO U.S. 15

420 000 FEET

FAMILY HALL 10 MI.

27'30"

4480

4479

Newport

Buffalo Bridge

JUNIATA RIVER

HOWE

HICKORY

MILLER

Abandoned track

Ruins

Picket field

Veterans Memorial Park

Newport Cemetery

Country Club

Buffalo

Ruins

BM 465

BM 395

BM 406

BM 546

BM 649

BM 652

1034

900

550

500

500

500

500

500

500

500

500

500

4485

4484

4483

4482

4480

4479