

Survey Number: C-33

Bridge Name and Address: Bridge between Monroe and Penn Townships
L.R. 54013 over Penn's Creek
Snyder County

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

Statement of Significance: The bridge between Monroe and Penn Townships is an unusually ornamented example of a typical multiple span concrete barrel arch. Built in 1919, the two arches of this bridge span 82 feet each. They are separated by a molded pilaster which extended from the pier to the parapet. Parapet walls follow the graceful humpback of this bridge; they feature a molded concrete "star" pattern used on a few other concrete bridges in this nomination. As an exceptionally ornamented and well preserved example of the concrete barrel arch bridge, this structure warrants listing on the National Register.

Area of Significance: Engineering

Boundary Description: The nominated property consists of a 194 feet long by 20 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.

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9. HISTORICAL DATA

8. USGS QUAD. Sunbury

UTM's: Zone 18

E	3	4	2	2	0	0
N	4	5	2	0	8	6
E						
N						

Designer/Engineer:

Flink, G. A.

Builder/Contractor:

Whittaker & Diehl

Bridge Company:

Unknown

Date(s): 1919 ; basis Straight Line

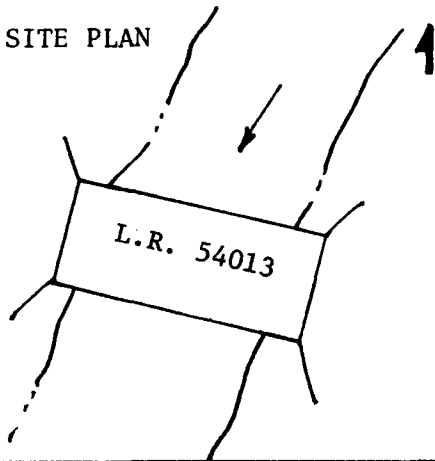
1919 ; basis Plaque

_____ ; basis

_____ ; basis

Use: Vehicular present; Vehicular original.

10. SITE PLAN



11. INTEGRITY

- _____ altered; _____.
- unaltered; _____.
- _____ moved; _____.

Explain:

12. VIEW

no.

PHOTO

13. COMMENTS

Unusual features:

Parapets

Locale/environment:

Lightly wooded, 1½ miles north of Selingsgrove, partially residential

Machinery (describe/identify type/equipment):

N/A

14. DIMENSIONS

- spans: 2 no., 164 ft. O/A
- main: 1 no., 82 ft.
- secondary: 1 no., 82 ft.
- approach: _____ no., _____ ft.
- piers: _____ no.
- towers: _____ no., _____ ft.

1. County Snyder

2. Municipality Penn & Monroe Twp.

3. Structure No. 54013

4. Survey Code 030 C-33

5. Present Name Bridge between Monroe and Penn Townships

6. Other name (historic name if any) N/A

7. Crossing L.R. 54013 over Penn's 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 90°

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 w/design	_____
Substructure			
piers:	Concrete	Smooth	_____
abutments:	Concrete	Smooth	_____
wings:	Concrete	Smooth	_____
intrados/ribs:	Concrete	Smooth	_____
voussoirs:	Concrete	Smooth	_____

17. PHOTO NO's.

03-20 (29-37)

18. PREPARED BY:

AGENCY/ORGANIZATION:

; DATE: 8-82

5865 IV NW
(LEWISBURG)

Monroe/Penn Township Bridge

C-33

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

76° 52' 30"
40° 52' 30"

343000m E.

2 250 000 FEET (SOUTH)

LEWISBURG 7 MI.
WINFIELD 2.8 MI.

50'

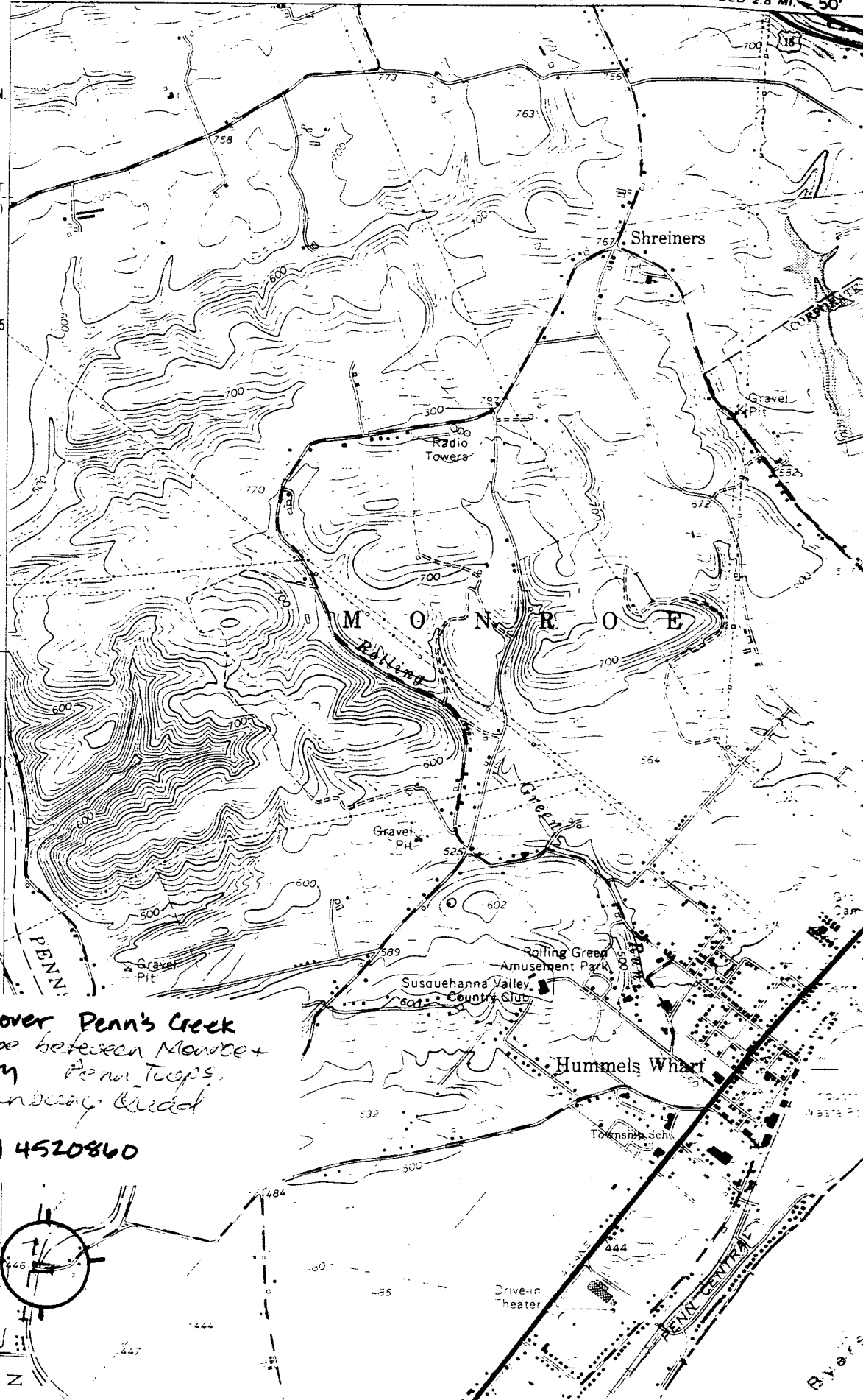
4526000m N
560 000 FEET
(SOUTH)

4525

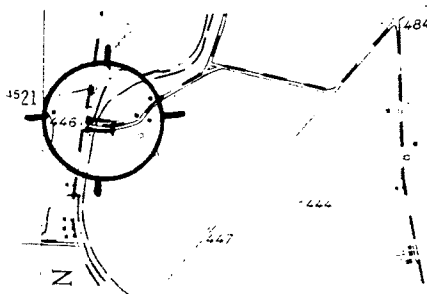
4524

4523

KRATZERVILLE 2.1 MI.
PENN.



L.R. 54013 over Penn's Creek
C-335 Bridge between Monroe +
Snyder County Penn Trops.
Zone 18 - Sunday Road
E 342200 N 4520860



Byers