**PENNSYLVANIA HISTORIC RESOURCE SURVEY FORM**
Bureau for Historic Preservation Box 1026
PA Historical & Museum Commission Harrisburg, PA 17120

8. USGS QUAD.

UTM's: Zone
E
N
E
N

9. HISTORICAL DATA

Designer/Engineer:

Builder/Contractor:

Bridge Company:

Date(s): _____; basis

_____; basis

_____; basis

_____; basis

Use: present; original.

10. SITE PLAN

11. INTEGRITY

__altered;_____.
__unaltered;_____.
__moved;_____.

Explain:

12. VIEW no.

PHOTO

13. COMMENTS

Unusual features:

Locale/environment:

Machinery (describe/identify type/ equipment):

14. DIMENSIONS

spans: ___no., _____ft. O/A
main: ___no., _____ft.
secondary: ___no., _____ft.
approach: ___no., _____ft.
piers: ___no.
towers: ___no., _____ft.

5. Present Name
1. County
6. Other name (historic name if any)
2. Municipality
7. Crossing
3. Structure No.
4. Survey Code

over

15. TYPE 16 trusses, a girder span and a reinforced concrete connection — CHARACTERISTICS

[X] Truss: continuous/cantilever:
Span no. 3-11 are Warren deck trusses

- [X] webbing: Warren (8 spans).
- [ ] anchor span: .
- [ ] cantilever span: .
- [ ] suspended span: .
- [X] ~~thru~~/deck/low (pony): ~~full-slope/half-hip.~~
- [X] connections: ~~pin~~/riveted.
- [ ] ~~eyebars: loop welded/die forged.~~
- [ ] railing: .
- [ ] columns: .

[X] Arch: masonry/metal:
Span no. 13 is through arch
Spans no. 12 and 14-16 are deck arches
Span no. 17 is a 75' girder span

- [X] thru/deck/~~½ thru.~~
- [X] ~~fixed (hingeless) 1~~/2/~~3~~-hinged.
- [X] ribs: ~~solid~~/braced; crescent/parallel.
- [X] spandrels: open/~~solid~~/braced.
- [ ] intrados/vault; ribbed/solid.
- [X] shape: ~~semi-circular/elliptical~~/segmental; ~~stilted~~.
- [ ] skew

[ ] ~~Suspension:~~

Bridge plaque:
Allegheny County
McKees Rocks Bridge
Erected 1931
~~Rebuilt~~
Commissioners
Joseph G. Armstrong, Chairman
E. V. Babcock
Charles C. McGorem
Robert G. Woodside, Controller

- [ ] stiffening: braced-chain (1/2/3-hinged) /suspended truss.
- [ ] wire cable: twisted/parallel.
- [ ] eyebar chain.
- [ ] back-stay: straight/curved.

[ ] Swing:

- [ ] 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: | Steel | | |
| towers: | Stone | regular; rough face | blackstone |
| railings: | Steel | malleable, angles + decorative filigree design | |
| **Substructure** | | | |
| piers: | concrete (all) granite (Piers 12-16) | facing (Piers 12-16) | |
| abutments: | concrete | | |
| wings: | concrete | | |
| intrados/ribs: | | | |
| voussoirs: | | | |

17. PHOTO NO's.

11-01 (1-14_

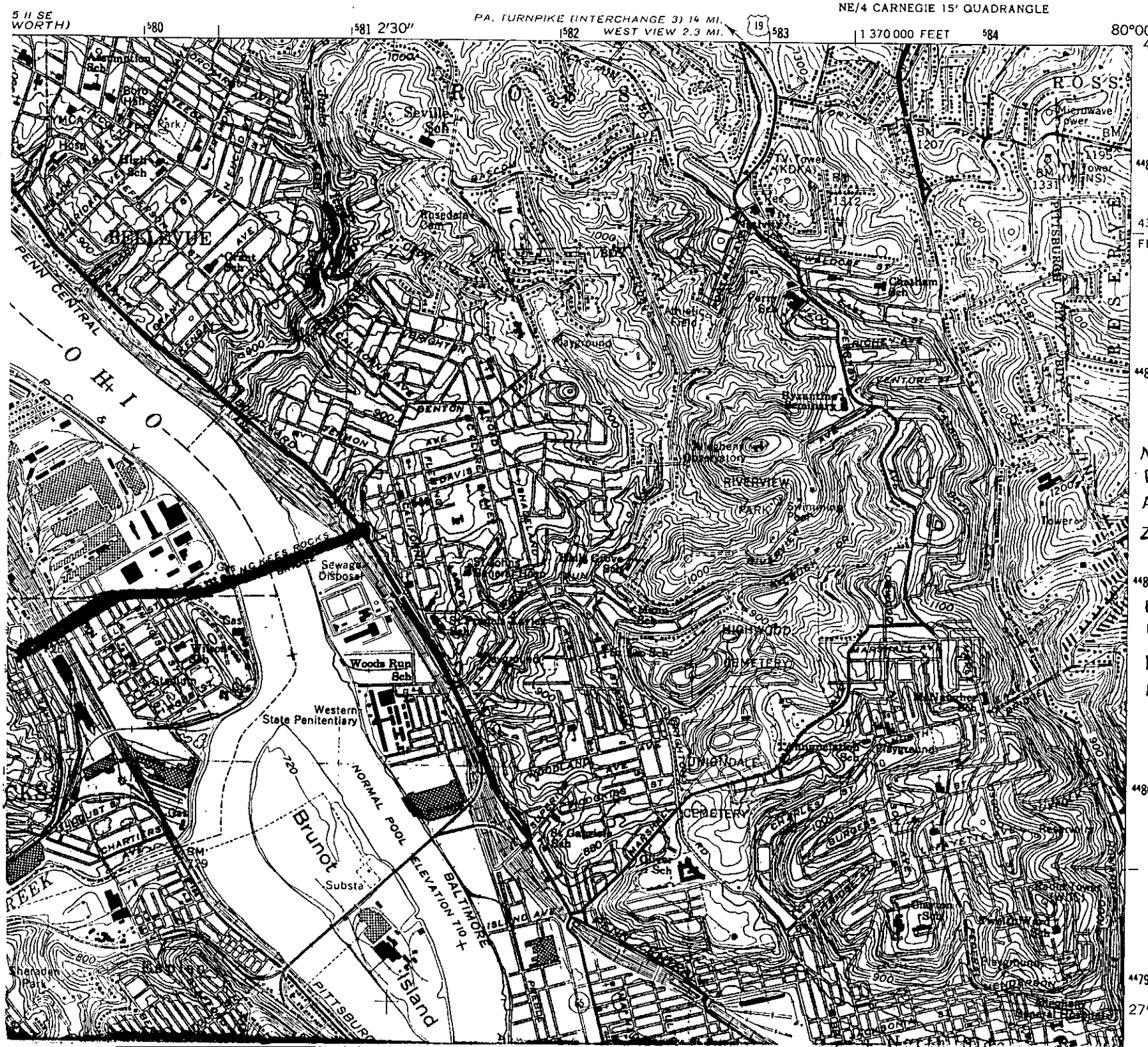
18. PREPARED BY: Pat A. Remy
AGENCY/ORGANIZATION: PennDOT, District 11-0
; DATE: 3-21-85

| | |
|---|---|
| Survey Number: | MA-2 |
| Bridge Name and Address: | McKees Rocks Bridge<br>L.R. 76, Spur 2 over Ohio River<br>Allegheny County |
| Owner: | Commonwealth of Pennsylvania<br>Department of Transportation<br>Transportation & Safety Building<br>Harrisburg, Pennsylvania 17120 |
| Statement of Significance: | The McKees Rock Bridge is a very fine example of a two-hinged metal through arch. Constructed between 1930 and 1932, it was designed by V.R. Covell, the creative Chief Engineer of the Allegheny County Department of Public Works. The McKees Rock Bridge has a 750 feet long main span, with a two-hinged long main span, with a two-hinged through arch and a Pratt stiffening truss, similar to the famous Hell Gate Bridge in New York. The approach spans of this extremely long bridge consist of two-hinged deck arches, deck trusses, and girders. This bridge is one of only two examples of this important bridge type included in the nomination. |
| Boundary Description: | The nominated property consists of a 5,510 feet long by 57 feet wide rectangle, and whose verticies coincide with the outside corners of the bridge's wing walls, and includes only bridge superstructure and substructure. |
| Acreage of Nominated Property: | Seven Acres. |
| Area of Significance: | Engineering. Criterion C. |

McKees Rocks Bridge MA-2

7.5 MINUTE SERIES (TOPOGRAPHIC)

NE/4 CARNEGIE 15' QUADRANGLE




MA-2 McKees Rocks Bridge, Allegheny County Zone 17 - Pittsburgh West Quad.

E 579460
N 4480520

E 581100
N 4481120