

**9. HISTORICAL DATA**

8. USGS QUAD. Pittston

UTM's: Zone 18

E 4 2 7 3 5 0

N 4 5 6 7 7 8 0

E

N

Designer/Engineer: Unknown

Builder/Contractor: Unknown

Bridge Company: Unknown

Date(s): Unknown ; basis

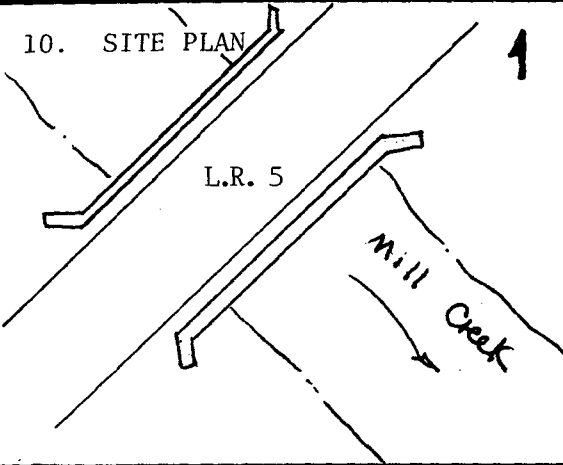
\_\_\_\_\_ ; basis

\_\_\_\_\_ ; basis

\_\_\_\_\_ ; basis

Use: present; original.

10. SITE PLAN



11. INTEGRITY

\_\_\_\_\_ altered; \_\_\_\_\_

unaltered; \_\_\_\_\_

\_\_\_\_\_ moved; \_\_\_\_\_

Explain:

12. VIEW

no.

PHOTO

13. COMMENTS

Unusual features:  
 Iron railings on  
 parapet walls

Locale/environment: business district

Machinery (describe/identify type/  
 equipment):

14. DIMENSIONS

spans: 1 no., 39 ft. 0/A 75'

main: \_\_\_\_\_ no., \_\_\_\_\_ ft.

secondary: \_\_\_\_\_ no., \_\_\_\_\_ ft.

approach: \_\_\_\_\_ no., \_\_\_\_\_ ft.

piers: \_\_\_\_\_ no.

towers: \_\_\_\_\_ no., \_\_\_\_\_ ft.

1. County: Luzerne  
 2. Municipality: Wilkes-Barre City  
 3. Structure No.: 4011010005010011016  
 4. Survey Code: 40-819 S-38  
 5. Present Name: Bridge in City of Wilkes-Barre  
 6. Other name (historic name if any) n/a  
 7. Crossing: LR 5 over Mill Creek

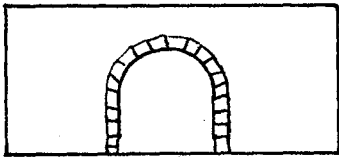
15. TYPE

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:  
 CRM



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:	CRM	rough	_____
towers:	_____	_____	_____
railings:	Iron	smooth/worn	_____
Substructure			
piers:	_____	_____	_____
abutments:	CRM	rough	_____
wings:	CRM	rough	_____
intrados/ribs:	_____	_____	_____
voussoirs:	_____	_____	_____

17. PHOTO NO's.  
 Roll #4-36  
 Roll #5 1-2

18. PREPARED BY: Edward P. Osnick  
 AGENCY/ORGANIZATION: PennDOT  
 ; DATE: August 9, 1982

Survey Number: S-38

Bridge Name and Address: Bridge in City of Wilkes-Barre  
L.R. 5  
Luzerne County

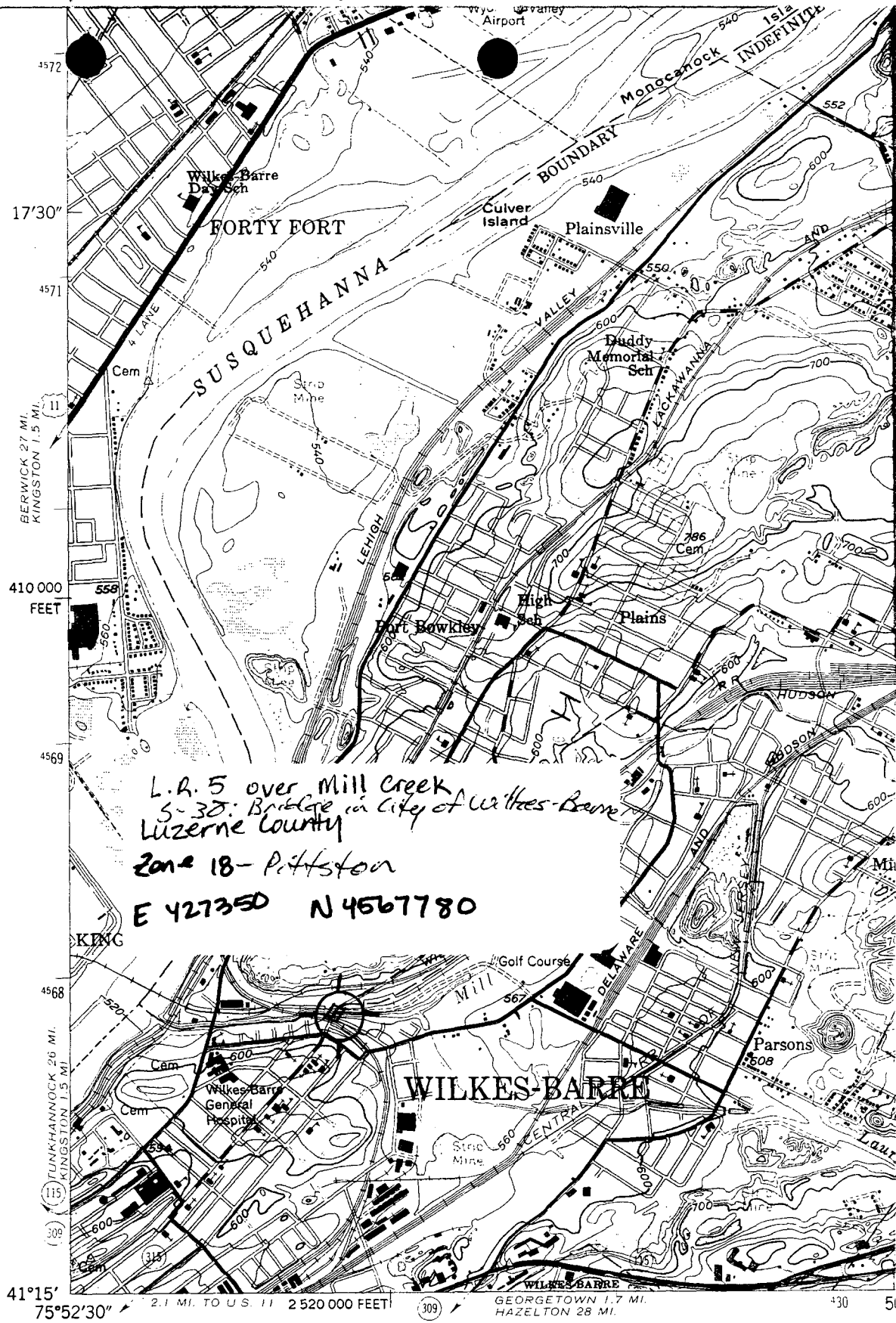
Owner: Commonwealth of Pennsylvania  
Department of Transportation  
Transportation & Safety Building  
Harrisburg, Pennsylvania 17120

Statement of Significance: The bridge in the City of Wilkes-Barre was constructed of roughly squared coursed stones, with voussoirs of rock faced ashlar. At the springline, stone projections are visible for the centering. On the deck, there is a simple iron railing on the parapet walls. This bridge is unusual in the nominated group for its exceptionally high span. The thick span springs from massive abutments, requiring exceptional engineering attention to the carrying of massive loads in this structure.

Area of Significance: Engineering

Boundary Description: The nominated property consists of a 75 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 D.O.T. Owned Highway Bridges  
 Bridge in city of Wilkes-Barre  
 S-38

L.R. 5 over Mill Creek  
 S-38: Bridge in City of Wilkes-Barre  
 Luzerne County  
 Zone 18 - Pittston  
 E 427350 N 4567780

WILKES-BARRE (WEST)  
 5856 (1) NW

Mapped, edited, and published by the Geological Survey  
 Control by USGS, USC&GS, and USCE  
 Topography by photogrammetric methods from aerial photographs  
 taken 1942. Field checked 1947  
 Polyconic projection. 1927 North American datum  
 10,000-foot grid based on Pennsylvania coordinate system, north zone  
 1000-meter Universal Transverse Mercator grid ticks, zone 18,  
 shown in blue  
 Red tint indicates areas in which only landmark buildings are shown

MN  
 GN  
 10°  
 178 MILS  
 0°32'  
 10 M.

UTM GRID AND 1967 NA DATUM  
 DECLINATION AT EQUATOR IS 0°