

Survey Number: S-34

Bridge Name and Address: Bridge in West Wheatfield Township
1911
L.R. 32008
Indiana County

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

Statement of Significance: The bridge in West Wheatfield is a distinctive example of early twentieth century stone arch bridge which was built in the camelback style of nineteenth century Pennsylvania highway bridges. While many of the twentieth century versions were strict imitations of the earlier bridges, this bridge represents a mix of form and construction material as it was constructed of rough, rock faced ashlar rather than the rubble construction of the earlier camelback bridges. The semi-circular arch, spanning 30 feet, is crowned by a carved datestone (1911), located in the parapet wall above the keystone. The extremely narrow wall above the arch crown accentuates the camelback shape of this bridge, as does the contrasting color of the concrete coping stones which cap the parapet walls of this arch bridge. This bridge gains added significance as one of only five nominated stone arch bridges in the western part of Pennsylvania.

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

9. HISTORICAL DATA

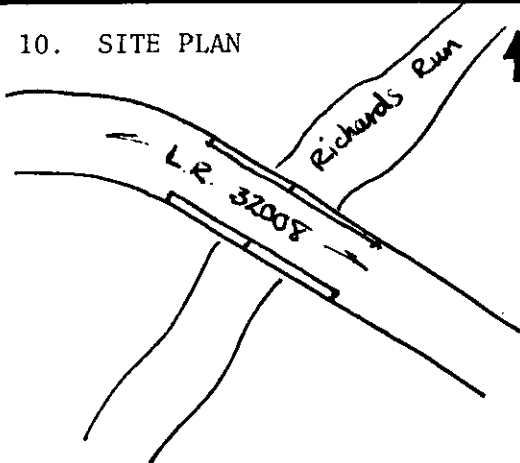
Designer/Engineer: Unknown
 Builder/Contractor: Unknown
 Bridge Company: Unknown

Date(s): 1911 ; basis Inspection File
 1911 ; basis Carved above keystone
 ; basis
 ; basis
 Use: Vehicular present; Vehicular original.

8. USGS QUAD. Bolivar 17

UTM's: Zone 17
 E 6 | 5 | 8 | 7 | 6 | 0
 N 4 | 4 | 7 | 3 | 9 | 7 | 0
 E
 N

10. SITE PLAN



11. INTEGRITY

altered; _____
 unaltered; _____
 moved; _____

Explain:

12. VIEW

PHOTO

13. COMMENTS

Unusual features:
 Huge stone used in construction

Locale/environment: Rural; wooded with a few residences nearby.

Machinery (describe/identify type/equipment):

14. DIMENSIONS

spans: 1 no., 30 ft. ^{75'} O/A
 main: no., ft.
 secondary: no., ft.
 approach: no., ft.
 piers: no.
 towers: no., ft.

1. County: Indiana
 2. Municipality: West Wheatfield Twp.
 3. Structure No.: 3220000810101147191
 4. Survey Code: 10-119 S-34
 5. Present Name of Bridge: West Wheatfield Twp.
 6. Other Name (historic name if any):
 7. Crossing: IR 32008 over Richards Run

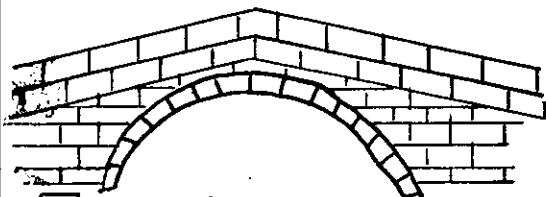
15. TYPE

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

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: Large stone used in construction

16. MATERIALS (primary)

Superstructure	type	treatment/finish	source
main span:	stone masonry	; coursed ashlar with formed concrete parapet & coping	
towers:	_____	_____	_____
railings:	_____	_____	_____
Substructure			
piers:	_____	_____	_____
abutments:	stone masonry	; coursed ashlar	_____
wings:	stone masonry	; coursed ashlar	_____
intrados/ribs:	_____	_____	_____
voussoirs:	_____	_____	_____

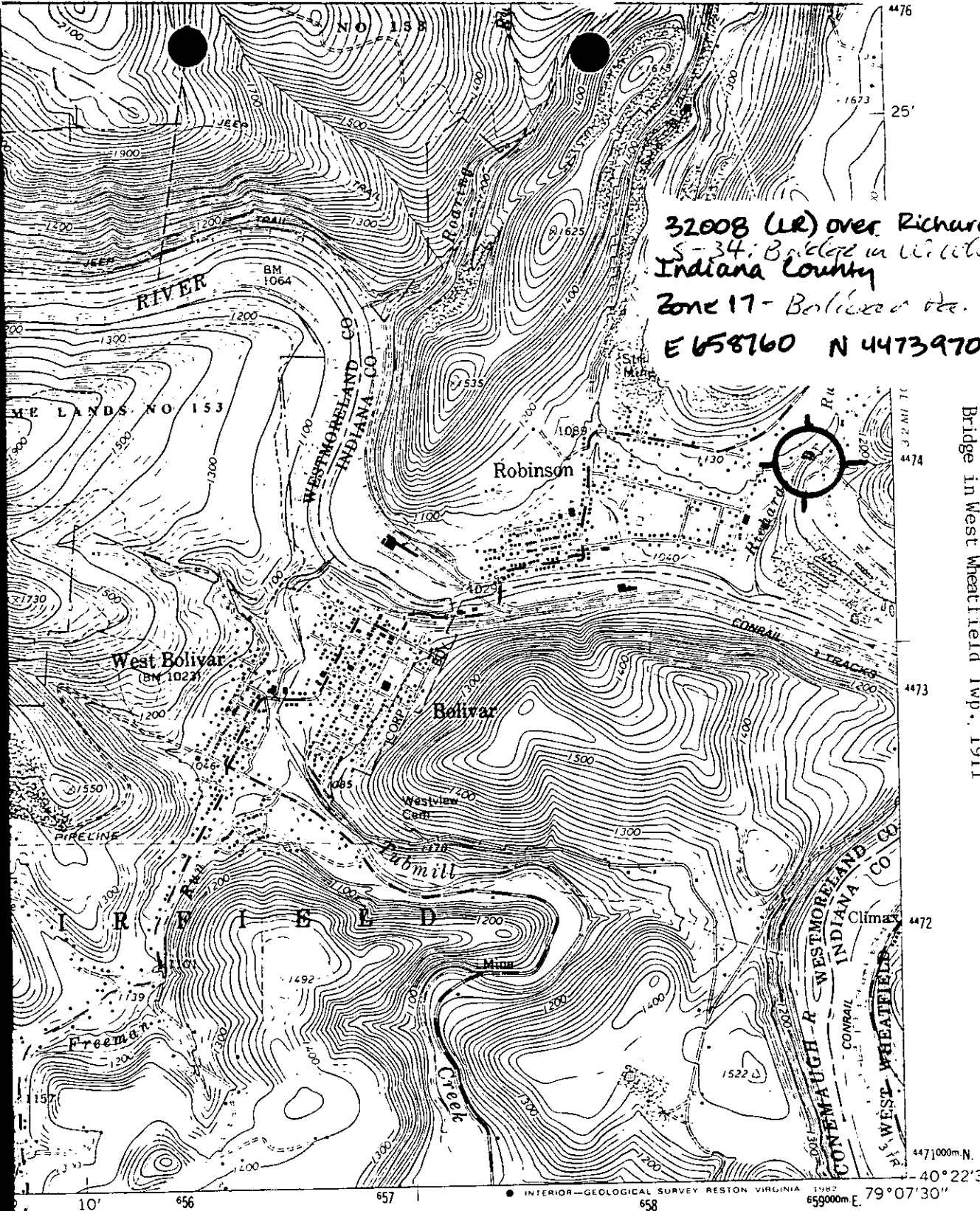
17. PHOTO NO's.

10 (32) 03-15 through 20

18. PREPARED BY: T.R. Sitler

AGENCY/ORGANIZATION: PennDOT

; DATE: July 1, 1982



32008 (LR) over Richard
 S-34; Bridge in vicinity
 Indiana County
 Zone 17 - Bolivar etc.
 E 658760 N 4473970

Bridge in West Wheatfield Twp., 1911

1 MILE

ROAD CLASSIFICATION

Heavy-duty		Light-duty	
Medium-duty		Unimproved dirt	
	U. S. Route		State Route

PENNSYLVANIA
 QUADRANGLE LOCATION

BOLIVAR, PA.

N4022.5—W7907.5/7.5

Revisions shown in purple and woodland compiled in cooperation with Commonwealth of Pennsylvania agencies from aerial photographs taken 1977 and thereafter. This information not field checked. Map edited 1981

1964
 PHOTOREVISED 1981
 DMA 5164 I NW—SERIES V831