

9. HISTORICAL DATA

8. USGS QUAD. Ebensburg

UTM's: Zone 17
 E | 7 | 0 | 0 | 3 | 2 | 0 |
 N | 4 | 4 | 7 | 4 | 8 | 8 | 0 |
 E | | | | | | | |
 N | | | | | | | |

Designer/Engineer:

Unknown

Builder/Contractor:

Allegheny Portage Railroad

Bridge Company:

Unknown

Date(s): 1832; basis District Bridge Files

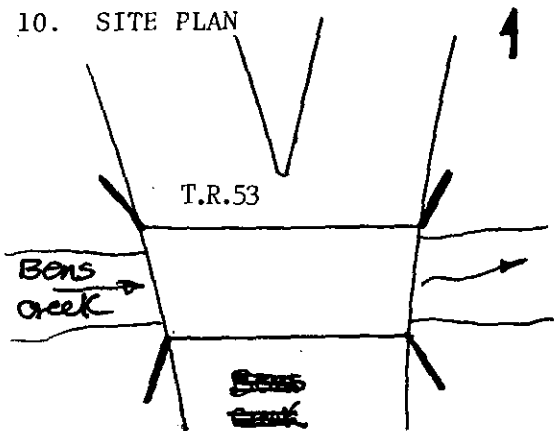
_____ ; basis

_____ ; basis

_____ ; basis

Use: railroad present; vehicular original.

10. SITE PLAN



12. VIEW

no.

PHOTO

11. INTEGRITY

altered; _____

Xunaltered; _____

moved; _____

Explain:

13. COMMENTS

Unusual features:
 Associated with Allegheny
 Portage Railroad

State road on top

Locale/environment: Rural-wooded

Machinery (describe/identify type/
 equipment):

14. DIMENSIONS

spans: 1 no., 18 ft. O/A

main: _____ no., _____ ft.

secondary: _____ no., _____ ft.

approach: _____ no., _____ ft.

piers: _____ no.

towers: _____ no., _____ ft.

1. County Cambria	2. Municipality Cassandra	3. Structure No. 1111010127610110131696	4. Survey Code 9-0 S-11
5. Present Name Bridge in Cassandra Borough	6. Other name (historic name if any) N/A	7. Crossing PR 53 over Bens 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: ^{stone} 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:	masonry stone	coursed ashlar	_____
towers:	_____	_____	_____
railings:	_____	_____	_____
Substructure			
piers:	_____	_____	_____
abutments:	masonry stone	coursed ashlar	_____
wings:	_____	_____	_____
intrados/ribs:	_____	coursed ashlar	_____
voussoirs:	_____	wedge	_____

17. PHOTO NO's.

18. PREPARED BY: J. Dain Davis
 AGENCY/ORGANIZATION: PennDOT
 ; DATE: September 15, 1982

Survey Number: S-11

Bridge Name and Address: Bridge in Cassandra Borough
T.R. 53 over Bens Creek
Cambria County

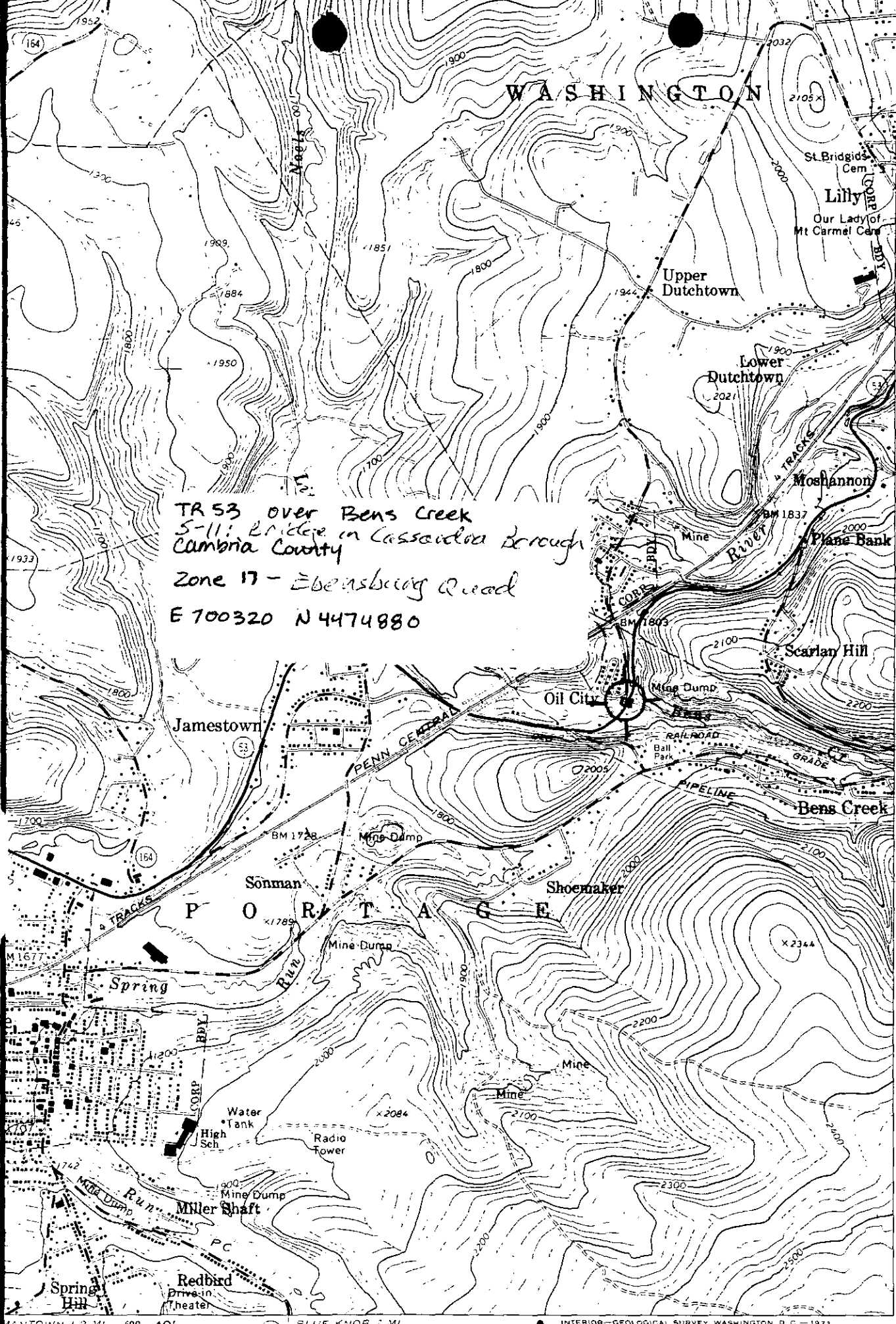
Owner: Commonwealth of Pennsylvania
Department of Transportation
Transportation & Safety Building
Harrisburg, Pennsylvania 17120

Statement of Significance: The bridge in Cassandra Borough is an unusual bridge, primarily by its historical association. It is one of two stone arch bridges located in Cambria County which are included in this nomination. Both bridges were built on the Allegheny Portage Railroad, a unique and unusual system of inclined planes. Constructed between 1832 and 1834, the Allegheny Portage Railroad linked the eastern and western divisions of the Pennsylvania Main Line Canal by carrying canal boats over the Allegheny Mountains. The Bridge in Cassandra Borough is a handsome example of a circular arch railroad bridge. Constructed of rock-faced ashlar, the bridge is one of two early examples of ashlar construction contained in this thematic nomination.

Area of Significance: Transportation, engineering.

Boundary Description: The nominated property consists of an 18 feet long by 30 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.



TR 53 over Bens Creek
 S-11: Bridge in Cassandra Borough
 Cambria County
 Zone 17 - Ebensburg Road
 E 700320 N 4474880

Pennsylvania D.O.T. Owned Highway Bridges
 Bridge in Cassandra Borough
 S-11

4478
 25'
 4476
 4475
 4474
 4473
 4472000m N.
 40° 22' 30"